

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)

Declared under Section 3 of UGC Act, 1956

TAMAKA, KOLAR-563 101, KARNATAKA, INDIA

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EVALUATIVE REPORT OF THE DEPARTMENTS VOLUME-II

**Submitted to
National Assessment and Accreditation Council
Bengaluru**

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Evaluative Reports of the Departments
Volume – II

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SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

Comprising Sri Devaraj Urs Medical College
POST BOX NO. 62, TAMAKA, KOLAR - 563 101, KARNATAKA, INDIA

A DEEMED TO BE UNIVERSITY

(Declared Under Section 3 of UGC Act 1956, MHRD GOI No. F.9-36/2006-U.3(A), Dt. 25th May 2007)

Prof. (Dr.) P. F. Kotur

M.D. (Anaesth), Ph.D. (Med. Edn.) FICA

Vice-Chancellor

PREFACE

This Volume II of the Self Study Report of our University contains the information about the Evaluative Report of the departments of the University in the stipulated format given by the National Assessment and Accreditation Council.

Necessary details about the departments have been presented in the comprehensive manner in the respective sections. However, further details will be made available to the Peer Team of the NAAC in the form of Annexures at the time of visit of the Peer Team to the University.

I once again take this opportunity of thanking all the Head of the Departments and University Officials for providing the necessary inputs as well as the Management for the encouragement in the preparation of this Volume

Signature of the Head of the institution
with seal

Vice Chancellor
Sri Devaraj Urs Academy of
Higher Education and Research,
Tamaka, Kolar-563101.

Place: Kolar
Date: 23rd Sept. 2015

Evaluative Report of Department of Anatomy

1. **Name of the Department** : Anatomy
2. **Year of establishment** : 1986
3. **Is the Department part of a college/Faculty of the university?**
Yes, Faculty of University
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
i) MBBS
B) PG Program
i) MD Anatomy
C) Ph.D.
5. **Interdisciplinary programs and departments involved**
Allied Health Sciences:

B.Sc. Medical Laboratory Technology
B.Sc. Operation theatre technology
B.Sc. Ophthalmic technology
B.Sc. Imaging technology
B.Sc. Renal Dialysis
B.Sc. Optometry
B.Sc. Medical Laboratory Technology
M.Sc. Molecular biology
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
B.Sc NURSING - from RGUHS

7. **Details of programs discontinued, if any, with reasons :** Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**
- UG - MBBS-Annual
- PG - At the end of the course
- Allied health Science - Semester
- Ph.D. - As per UGC Guidelines
9. **Participation of the department in the courses offered by other departments**

Inter Departmental Teaching Programs

Department	Course	Activities
Physiology	MD	Training in microscopic identification of tissues.
Orthopedics	MS	To know relations of structures and their clinical relevance
Surgery	MS	To know relations of structures, clinical relevance and its developmental anomalies
ENT	MS FELLOWSHIP IN HEAD AND NECK ONCOLOGY	Cadaveric Dissection Understanding of organ and structure relations, and surgical anatomy of head and neck
Ophthalmology	MS	Understanding of functional and surgical anatomy of eye

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned*	Filled	Actual (including CAS & MPS)
Professor	1	2	2
Associate Professor/ Reader	2	1	1
Assistant Professor	3	4	4
Lecturer	Nil	1	1
Tutor / Clinical Instructor	4	3	3
TOTAL	10	11	11

* Sanction post of the university are 20% > than MCI requirements irrespective of the cadre.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No.Of Years Of Experience	PG GUID E
Dr.Venkateshu.K.V	MBBS, MS,DNB	Prof & HOD	Anatomy	24 Years	yes
Dr.M.B.Sanikop	MBBS, MS	Professor	Anatomy	26 years	yes
Dr.Sridevi.N.S	MBBS, MD	Associate Professor	Anatomy	8 years	yes
Dr.Ashwini.N.S	MBBS, MD	Assistant Professor	Anatomy	4 years	-
Dr.ShashikantKiragi	MBBS,	Assistant	Anatomy	3 years	-

	MD	Professor			
Dr.Shashidhar	MBBS, MD	Assistant Professor	Anatomy	2 years	-
Dr. Divya.C	MBBS, MD	Assistant Professor	Anatomy	2 year	-
Mrs.Krishnaveni.C	M.Sc,M .Phil	Lecturer	Anatomy	10 years	-
Dr.Kumarswamy	BAMS, M.Sc,M .Phil	Jr.Lectur er	Anatomy	5 years	-
Mr.Suresh.T	M.Sc	Tutor	Anatomy	5 years	-
Dr.Vinay Kulkarni	BHMS, M.Sc,M .Phil	Tutor	Anatomy	4 years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Nil

13. Percentage of classes taken by temporary faculty – program-wise information: Nil

14. Program-wise Student Teacher Ratio

Program	Student – teacher Ratio
MBBS	25 : 1
MD – Anatomy	1 :1
Ph.D.	1 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No	Designation	Sanctioned	Filled	Actual
1	Lab technician	1	1	1
2	Store keeper cum Assistant computer operator	1	1	1

3	Embalming Assistant	-	1	1
4	Attendants	4	3	3
5	Sweeper	2	1	1

16. Research thrust areas as recognized by major funding agencies

- i) Morphogenesis
- ii) Medical genetics
- iii) Anthropology
- iv) Skill development → Transparent Model preparation

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sr. No.	TITLE	INVESTIGATORS	Source of Funding	Grants Applied	Grants Received
1.	Mutational analysis of GJB-2 gene in congenital non-syndromic hearing impairment.	Kumaraswamy.R A.V.M.Kutty, S.M.Azeem Mohiyuddin	University	Rs.1,76,000	NIL
2.	Effectiveness of Transparent Functional Model of Larynx as a Teaching and Learning Media.	Venkateshu.K.V, Shashidhar, S.M.Azeem Mohiyuddin	University	Rs.50,000	NIL

3.	Evaluation of Association between IRS-2 gene polymorphism and insulin resistance among PCOS patients	Vinay Kulkarni, Sharath B, Narayanswamy M	University	Rs.1,50,000	NIL
4.	Study of sflt-1/PIGF ratio as a predictive biomarker for preeclampsia	Krishnaveni.C, Sharath, PushpaKotur	University	Rs.1,50,000	NIL
5.	Study of palmar dermatoglyphics in preeclampsia by biometric method	Krishnaveni.C, PushpaKotur, M.B.Sanikop	University	Rs.1,00,000	NIL

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration : Nil
- b) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- state recognition : Nil
- national recognition : Nil

- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :

Central Genome Lab

22. Publications:

- * Number of papers published in peer reviewed journals (national / international) : 24

International	National	Indexed	Scopus	PubMed	Web of Science	Total
05	22	27	02	05	03	27

Number of papers accepted for publication : NIL

Prized publications

- Journal of Clinical and Diagnostic Research
- Singapore Medical Journal
- Romanian Journal of Morphology and Embryology
- European Journal of Anatomy

- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : Nil
- * Scopus Citation Index – range / average : 0-5
- * SNIP : 0.142-0.577
- * SJR : 0.116-0.272
- * ISI Impact Factor – range / average : 0-0.659
- * h-index : 1-3

23. **Details of patents and income generated** : Nil
24. **Areas of consultancy and income generated** : Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**
: Nil
26. **Faculty serving in**
 - a) National committees : Nil
 - b) International committees : Nil
 - c) Editorial Boards
 - i) Dr.M.B.Sanikop
 - ➔ Editorial board member for the KCA –Anatomica Karnataka.
 - ➔ Senior Editor for Journal of Evidence based Medicine and Health.
 - ii) Dr.Venkateshu K.V, Former Editor - Anatomica Karnataka 2007-2009, Associate editor- Anatomica Karnataka
 - c) any other (specify)

Dr.M.B.Sanikop, Elected President of KCA for 2010-2011, BOS member of pre-clinical studies KLE University and Annamalai University
27. **Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**
 - ➔ Participation in medical education workshops
 - ➔ Attending CME programs, workshops and conferences conducted by the university and elsewhere and presenting papers
 - ➔ All faculty have been trained in basic medical education technology by University Department of Medical Education, Sri Devaraj Urs Medical College.
 - ➔ Faculty have been trained in research methodology

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : 15

2013 – 3.3% (5 out of 150)

2014– 4.6% (7 out of 150)

2015– 2% (3 out of 150)

- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- ➔ Faculty : Nil

- ➔ Doctoral / post doctoral fellows : Nil

- ➔ Students : Nil

30. inars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr No	Name of Conference (with date/ month/year)	Source of Funding	Outstanding Participants	Total No. of Delegates

31. Code of ethics for research followed by the departments

Institutional/University central ethics committee guidelines as per ICMR guidelines.

32. Student profile program-wise:

Name of the Program (refer to question no. 4) MBBS	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08 BATCH		78	72	69	67
2008-09 BATCH	770	81	69	60	74
2009-10 BATCH	890	67	83	63	71
2010-11 BATCH	730	73	77	58	77
2011-12 BATCH	1116	64	86	80	93
2012-13 BATCH	1929	71	70	77	89
2013-14 BATCH	3820	87	63	56	81
2014-15 BATCH	2051	84	66	66	83

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	---
from other universities within the State	82%
from universities from other States	18%
from universities outside the country	---

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : 4 faculty were awarded M.Phil degree

38. Present details of departmental infrastructural facilities with regard to

a) Library : Total Books-400

List with different Titles-161, recent volumes of Karnataka Chapter of Anatomists and Anatomical Society of India journals

b) Internet facilities for staff and students

Available at dissection hall, histology laboratory, demonstration room, HOD chamber and departmental office. Wi-fi facility is available in the department. We have access to free medical online journals like Annals of Anatomy, Annals of Surgery, Archives of Surgery, Medical Journal of Australia, Journal of Biomedical research, Journal of Medical Genetics etc.

c) Total number of class rooms

2 DEMO ROOMS with audio-visual aids

d) Class rooms with ICT facility and 'smart' class rooms

Lecture Hall with E-Podium

e) Students' laboratories

➔ Histology lab equipped with internet facility and virtual images and histology pictures

➔ Histology: Microscopes - 135, Slides : Systemic 1837 & General 1281, Embryology slides 67, Charts 81

f) Dissection hall

Well ventilated dissection hall with AV aids and Computer. Sufficient number of cadavers for dissection.

Total No. of Bones 842, Skeleton set Articulated 08 & Disarticulated 5

➔ Charts 47,

➔ EMBALMING ROOM-1

g) Museum

➔ Gross anatomy, Embryology, Osteology, Sectional anatomy and Imaging, Display charts and Models

➔ Wet specimens - 322

➔ Dry specimens - 119

- ➔ Charts - 123
- ➔ Embryology models - 210
- ➔ Radiograms – 251
- ➔ Computer

h) Research laboratories

Equipped with instruments for tissue processing, sectioning and staining for histology slide preparation.

Equipped with Research microscope and Anthropometric instruments.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : 01
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new program has been developed.

41. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, feedback is taken on curriculum involving teaching- learning evaluation during departmental meeting. The suggested improvements are incorporated after putting up in the BOS meeting and getting approval from academic council.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Department regularly receives feedback from students about staff,

factors facilitating and hindering learning, annual feedback regarding curriculum and teaching learning activity. Feedback results are analyzed and discussed in department meeting.

- c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Suggestions and feedback are taken from alumni for improvisation in learning.

42. List the distinguished alumni of the department (maximum 10)

Dr. Suma H Y	Associate Professor, Anatomy, JIPMER, Pondicherry.
Dr. Shanta Chandrashekar	Professor, Anatomy, Vinayaka mission , Salem.
Dr. Vasudha Kulkarni	Associate Professor, Anatomy , Dr. B. R. Ambedkar medical college, Bangalore.
Dr. SameenTaj	Assistant Professor , Anatomy, Sambhram medical college, KGF.

43. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Undergraduate- Integrated teaching-vertical and horizontal, Enrichment classes, Students seminars, E-learning, Problem based learning and Clinical modules, Quiz	
High Achievers	Slow Learners
<ul style="list-style-type: none"> • Student research projects • Attending UG conferences and presenting papers • Mentorship program 	<ul style="list-style-type: none"> • Special Enrichment classes • Student counseling by a qualified counselor • Mentorship program • Frequent evaluation and feedback

44. **List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Theory	Didactic lectures with PowerPoint and black board. OHP
Tutorials	Group discussion , Case Scenario's Animations and video clips Flash cards, Models, Charts
Dissection	Cadaveric dissection, Table teaching and demonstration.
Histology	Microscopic study of tissue slides with aid of microscopes, virtual microscopic images, charts and group discussion.

45. **How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

- ➔ Day to day assessment
- ➔ Weekly tests
- ➔ Part completion tests
- ➔ Pre-test and post-test
- ➔ Work-books and histology records
- ➔ Formative and summative assessment- Theory and Practical Internal assessments,
- ➔ Clinical modules
- ➔ Integrated teaching

46. **Highlight the participation of students and faculty in extension activities.**

- a) NSS activity
- b) Blood, eye, organ and body donation programs,
- c) Educating the general public and school children about body

systems, functions and health care

d) Implementation and importance of Swach Bharath Abhiyan

e) Sports and Cultural activities.

f) Science exhibition

47. Give details of “beyond syllabus scholarly activities” of the department.

Active Participation in

➔ CME

➔ Workshop and conferences

➔ Science exhibition

➔ Quiz

48. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

ISO 9001:2000 - 2006

Certificate registration
no 12 100 28315 TMS

NAAC - 2006

49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Morphogenesis and knowledge of normal and abnormal variations.

50. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- i) Dedicated faculty with good teaching experience trained in medical education and learning
- ii) Faculty have completed M.Phil and are trained in medical genetics.
- iii) Motivating and guiding UG students for scientific paper presentations.
- iv) Well displayed museum with large collection of Anatomical

specimens and models. The museum collection is laid out in sections –

- Upper Limb
- Lower Limb
- Head And Neck
- Thorax And Abdomen
- Embryology And Osteology Section
- History Of Anatomy
- Evolution
- Sectional Anatomy And Imaging
- Odontology
- Genetics
- Clinical and Surgical Equipments.

- v) Early clinical exposure → Clinical modules.
- vi) Integrated teaching involving pre-clinical introspecting and clinical departments
- vii) Motivating medical professionals and general public about body donation, its need and importance in medical education.

Weakness:

- i) No MD admissions since two years

Opportunity:

- i) For the faculty research environment is provided through funding
- ii) Faculty are encouraged to attend the conferences, workshops on regular basis.

Challenges:

To provide high quality teaching of anatomy to Medical and paramedical students to induce basic research in an intellectual environment.

51. Future plans of the department.

- I. To start Ph.D program in the department
- II. To focus on research and publications
- III. To start certificate course in embalming techniques, museum techniques
- IV. To strengthen Body donation program
- V. To develop E – Learning in the virtual anatomy teaching and virtual dissection.
- VI. To expertise in Plastination technique.
- VII. To develop simulation model lab in conjunction with clinical departments and to emphasize on basic surgical skills.

52. Future plans of the department

- I. To focus on research and publications
- II. To start certificate course in embalming techniques, museum Techniques.
- III. To strengthen Body donation program
- IV. To develop E – Learning in the virtual Anatomy teaching and virtual dissection.
- V. To expertise in Plastination technique
- VI. To develop simulation model lab in conjunction with clinical departments and to emphasize on basic surgical skills.

Evaluative Report of Department of Biochemistry

1. **Name of the Department** : Biochemistry
2. **Year of establishment** : 1986
3. **Is the Department part of a college/Faculty of the university?**
Faculty of the University
4. **Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super Specialty Fellowship, etc.)**
A) Under Graduate Program
MBBS
B) PG Program
MD Biochemistry and Ph.D. Biochemistry
5. **Interdisciplinary programs and departments involved**
AHS (Allied Health Sciences)
 - B.Sc. MLT (B.Sc. Medical Laboratory Technology)
 - B.Sc. Oph.T (B.Sc. Ophthalmic Technology)
 - M.Sc. Molecular Biology and Human Genetics
 - M.Phil.
 - Post Graduate Diploma in Genomic TechnologyNursing
 - B.Sc. Nursing
 - Post Certificate B.Sc. (P.C.B.Sc.) Nursing
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
B.Sc. Nursing and P.C.B.Sc. courses offered by RGUHS, Bengaluru

7. **Details of programs discontinued, if any, with reasons:** Nil.

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**

- Course - Examination system
- MBBS - Annual Examination
- MD Biochemistry - At the end of the course
- Allied Health sciences - Semester Examination
- Ph.D. - As per the UGC Guidelines

9. **Participation of the department in the courses offered by other departments**

Department	Course	Activity
Physiology Microbiology Pharmacology Pathology Community - Medicine	MD	<ul style="list-style-type: none"> • Teaching learning activity during departmental postings • Infection control committee meeting • Participation as resource persons for PG integrated teaching as and when required • Participation in CPC
Surgery OBG Medicine Pediatrics	MD	<ul style="list-style-type: none"> • Co -guides for the dissertation work • Mortality Meeting

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned*as Per the MCI	Filled	Actual (including CAS & MPS)
Professor	1	2	2
Associate Professor/Reader	1	1	1
Assistant Professor/ Lecturer	2	4	4
Tutor	4	0	0
Sanctioned* posts of the university are 20% more than MCI requirement irrespective of the cadres	2	-	-

**11. Faculty profile with name, qualification, designation, area of
specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	PG/PhD guide
Dr. K.N. Shashidhar	MBBS, MD	Professor & HOD	Biochemistry	11 years	4 yrs
Dr. A.V.M. Kutty	M.Sc. Ph.D.	Professor	Biochemistry	27 yrs	17 yrs
Dr. C.D. Dayanand	M.Sc. Ph.D.	Professor	Biochemistry	22 years	13 yrs
Dr. Sumathi M.E.	MBBS, MD	Associate Professor	Biochemistry	6 years	1 yr
Dr. Prabhavathi.K.	MBBS, MD	Assistant Professor	Biochemistry	4 years	-
Dr.Susanna. T.Y	MBBS, MD	Assistant Professor	Biochemistry	2 years	-

Mrs. Deena C. Mendez	M.Sc. (Ph.D.Scholar)	Lecturer	Biochemistry	24	-
Mrs. Mamatha Kunder	M.Sc. (Ph.D.Scholar)	Lecturer	Biochemistry	12 years	-

12. List of Senior Visiting Fellows, adjunct Faculty, Emeritus Professors

Nil

13. Percentage of classes taken by temporary faculty - program-wise information

Nil

14. Program-wise Student Teacher Ratio

Programme	No. of Students	No. of Teaching Staff	Student Teachers Ratio
MBBS	150	7	25:1
B.Sc. MLT	66	7	9:1
B.Sc. Ophthalmology (Ocular Biochemistry)	4	7	1:2
M.Sc. – Molecular Biology & Human Genetics	5	7	1:2
B.Sc. Nursing	28	7	4:1
P.C.B.Sc.	11	7	2:1
PGDGT	2	4	1:2
Ph.D.	5	3	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Technicians	2	2	2
Store Keeper-cum-Clerk	1	1	1
Laboratory Attender	2	2	2
Sweeper	1	1	1

16. Research thrust areas as recognized by major funding agencies

- i) Role of Lipids –In Diabetes mellitus/Atherosclerosis
- ii) Oxidative stress parameters – In Diabetes Mellitus, Hepatobiliary, Renal and Cardiovascular system.
- iii) Oxidative stress parameters and Recent Biomarkers in Cancer and Endocrinology.
- iv) Role of Proteases in health and disease

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No.	Title of Research Projects	Names of Investigators/Co-Investigators	Funding Agency	Grant Sanctioned	Grant Received
	--	--	--	--	No grants received

18. Inter-institutional collaborative projects and associated grants received

- d) National collaboration : Nil
- e) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Total of 5 STS projects are completed

Sl. No.	Paper Title	Author	Department	Grants Received
1	Risk Factors Lipid profile and Histopathological study of Oral Cancers in Kolar District	Amith Kamath, K.N.Shashidhar, Hemalatha A, Harish R, Vinay Babu.S	Biochemistry Pathology ENT	10,000/-
2	Association of Serum Gamma Glutamyl transferase with lipid abnormalities in End Stage renal disease”	Ms.Sowmi.R III Term MBBS student Dr.Sumathi.M.E, Dr.K.N.Shashidhar Dr. Raghavendra Prasad.B.N.	Biochemistry Medicine	10,000/-
3	“Apolipoprotein B levels and its relation to lipid profile in type 2 Diabetes Mellitus”	Choperlla SK SK Dattatreya Sitaram Ashakiran S	Biochemistry	10,000/-
4	Clinical significance of serum Amylase in Acute organophosphorus poisoning	Choperlla SK SK Dattatreya Sitaram Sumathi M.E	Biochemistry	10,000/-
5	Evaluation of trend on oxidative stress and antioxidants in fluoride affected areas in Kolar district	Adarsh N.K Dr.C.D Dayananda	Biochemistry	10,000/-

20. Research facility / centre with

- state recognition : Nil

- national recognition

Department Faculty utilize the facilities available at Genomic Lab and Central Research Laboratory for Proteomics Studies and Genomic Data- base

- international recognition

Central Clinical Biochemistry Laboratory participates in IQAS and EQAS programmes offered by BIORAD, USA

21. Special research laboratories sponsored by / created by industry or corporate bodies

- ➔ Dry Chemistry Analyzer and Electrochemiluminescence of Johnson and Johnson
- ➔ HbA1c BioRad Analyzer utilized for diagnostic and research purpose.

22. Publications:

- * Number of papers published in peer reviewed journals : 66
- * National : 44
- * International : 22
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : 24
- * Scopus : 13
- * Pub Med : 15
- * Web of Science : 13
- * Citation Index – range / average : 0-7
- * SNIP : 0.073-1.302
- * SJR : 0.117-0.725
- * ISI Impact Factor – range / average : 0.236-2.5
- * h-index : 2.5

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (specify)

- ➔ Dr. Shashidhar K.N is a reviewer for Journal of Clinical Diagnostic and Research and DOVE Publications
- ➔ Dr. Sumathi M.E is a reviewer for Journal of Clinical Cardiology

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Participation in CMEs, Conferences and Workshops conducted at institutional level and elsewhere.
- ➔ ISO 15189 Internal Audit and Quality Management systems NABL certified course
- ➔ Medical Education Technology Workshop
- ➔ Workshops in Research Methodology, Biostatistics and Scientific Writing.
- ➔ Workshops and Training Programs in Mentorship, Question Paper Setting and Evidence Based Medicine

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects

Total no of projects	=	12
➔ 2010 -11 Batch	=	3 (2%)
➔ 2011 -12 Batch	=	2 (1.3%)
➔ 2012-13 Batch	=	6 (4%)

- 2014-15 Batch = 1 (0.6)
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

→ Faculty

- Dr. Sumathi M.E awarded for best poster presentation in National AMBICON 2013 Conference held from 7th-11th Dec. 2013 at Bhuvaneshwar, Orissa

→ Doctoral / post doctoral fellows : Nil

→ Students

Post Graduate Students, Dr. Ganesh G and Dr. Esha Mati were awarded Gold Medal for securing highest marks in Preclinical Subjects in SDUAHER examinations in the year 2014 and 2015 respectively.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Name of Conference/workshop (with date/month/year)	source of funding	Outstanding Participants	Total No. of Delegates
	List enclosed	--	--	--

31. Code of ethics for research followed by the departments

As per ICMR guidelines DCGI/ICMR/Schedule Y

32. Student profile program-wise:

Name of the programme	Applications received	Selected		Pass Percentage	
MBBS	NA	Male	Female	Male	Female
2007-08	RGUHS NA	78	72	94	94
2008-09	1012	81	69	68	86
2009-10	1559	67	83	69	88
2010-11	1050	73	77	73	80
2011-12	929	64	86	91	94
2012-13	1067	71	70	80	96
2013-14	1047	87	63	68	83
2014-15	2051	--	--	--	--
MD Biochemistry		Male	Female	Male	Female
2007-08 (RGUHS)	--	1	--	100%	--
2008-09	--	--	1	--	100%
2009-10	--	--	1	--	100%
2010-11	--	1	1	100%	100%
2011-12	--	1	1	100%	100%
PhD	--	Male	Female	Male	Female
2009-10	1	--	1	--	--
2010-11	1	--	1	--	--
2011-12	1	--	1	--	--
2012-13	2	1	1	--	--
2013-14	1	--	1	--	--

33. Diversity of students

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS				
2007-08	-	33 %	67 %	0 %
2008-09	-	16 %	81 %	3 %
2009-10	-	32 %	56 %	12 %
2010-11	-	40 %	50 %	10 %
2011-12	-	43 %	42 %	15 %
2012-13	-	31 %	56 %	13 %
2013-14	-	27 %	62 %	11 %
2014-15	-	26 %	73 %	1 %
MD	14%	71%	14%	--
Ph.D.	-	50%	50%	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Dr. Nisha Ramani Subhashchandra has cleared USMLE pursuing Fellowship in clinical pathology in New York, USA

35. Student progression

Student progression	Percentage against enrolled
UG to PG	21
PG to M.Phil, DM / M.Ch / DNB	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
▪ Campus selection	100%
▪ Other than campus recruitment	100%
Entrepreneurs	--

36. Diversity of staff

Percentage of Faculty who are graduates	UG	PG	%
of the same university	NIL	1	11
from other universities within the State	7	7	77
from universities from other States	1	1	11
from universities outside the country	Nil	Nil	--

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

i) Library

- ➔ Number of books in Department Library are - 210
- ➔ Open Access Journals - 43

→ e journals accessible at department through HELINET -
51

→ e Books - 73

j) Internet facilities for staff and students

- Department is equipped with 11 Laptops, two Desktops with LAN facility, Printer and Scanner
- Department has Wi-Fi facility
- Students use internet facility in Digital Library.

k) Total number of class rooms

- 3 common lecture gallery
- 2 Demonstration rooms

l) Class rooms with ICT facility and 'smart' class rooms

- b) Three common lecture galleries with smart boards installed
- c) 1 Air Conditioned Audio Visual room

e) Students' laboratories

- 2 (one each for Undergraduate and Postgraduate)
- UG Laboratory has gas connections and fire safety measures, curator- Dr. Susanna T.Y

f) Research laboratories

- PG and Ph.D. research laboratory with 68 Scientific instruments Curator: Dr. Sumathi

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

- Mrs. Deena Mendez
- Mrs. Mamatha Kunder
- Mrs. Munilakshmi U
- Mr. Pradeep Kumar Vegi
- Mrs. Vanishree B

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

All post graduate students get stipend.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

d. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, Curricular aspects and teaching-learning activities is discussed in monthly Faculty Development Meetings and suitable modifications are done and presented to the Board of Studies for final approval by Academic Council

e. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of the course students' feedback on teaching learning activities of faculty and department is collected, analysed and discussed in faculty development meeting and suitable modifications are incorporated.

f. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback from Alumni on curriculum and the infrastructure will be analyzed and discussed and suitable changes will be made.

43. List the distinguished alumni of the department (maximum 10)

Dr. Jayaprakash	Associate professor, Faculty of Medicine, MAHSA University, Kuala Lumpur Malaysia
Dr. Nisha Ramani	Resident, Clinical Pathology, Newyork, USA
Dr. Chinmoy Ghosh	Assistant Professor. Govt. Medical College, Kolkata
Dr. Ganesh G	Assistant Professor, Government Dharmapuri Medical College, Dharmapuri, Tamilnadu
Dr. Esha Mati	Assistant Professor, Srimati Kashibai Navale Medical College, Pune
Dr. Naveen S	Assistant Professor, Gulbarga Institute of Medical Sciences, Gulbarga
Dr. Nandini Takkalaki	Consultant Biochemist, Bhagawan Mahaveer Jain Hospital, Bengaluru
Dr. Harish R	Assistant Professor, Sapthagiri Institute of Medical Sciences , Bengaluru

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ Encouraging students to participate in CMEs/ Workshops/ Conferences at Institutional level and at other Institutions
- ➔ Enabling students to present their research work in Annual Undergraduate Research Conference DeMedCon.
- ➔ Students Participate in the University Guest Lectures

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Under Graduate	Post Graduate
<ul style="list-style-type: none"> ➔ Didactic Lectures ➔ Tutorials ➔ Practical ➔ Mind Mapping ➔ Case Based Learning ➔ Vertical and Horizontal Integrated teaching ➔ Group Discussions 	<ul style="list-style-type: none"> ➔ Seminars ➔ Journal Clubs ➔ Microteaching ➔ Integrated Teaching ➔ Symposium ➔ Clinico-Pathological Conference ➔ Mortality Meeting ➔ Clinical Audit

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Under Graduate	Post Graduate
<ul style="list-style-type: none"> ➔ Formative Assessments ➔ OSPE ➔ Viva - Voce ➔ Remedial classes for poor performers ➔ Mentorship programme ➔ Counselling ➔ Parent tTacher Interactions ➔ High achievers are encouraged to take up research projects 	<ul style="list-style-type: none"> ➔ 6 monthly Log book evaluation ➔ 6 monthly dissertation progress assessed by external members & report submitted. ➔ Assessment of seminar/ journal club with the help of a checklist ➔ Formative Assessment ➔ Observing and reporting on the Post-graduate student's non-academic attributes

47. Highlight the participation of students and faculty in extension activities.

- ➔ Mega Health camps
- ➔ NSS activity
- ➔ Swatch Bharath Campaign
- ➔ Blood Donation Camps
- ➔ Participation in celebration of important Health days like World AIDS Day, Glaucoma Day, World TB Day, World HIV Day
- ➔ Mother's Day Celebration by Women Empowerment Cell
- ➔ Participation in days of National Importance like Independence Day, Republic Day and Kannada Rajyotsava Day
- ➔ Celebration of Laboratory Professional Week every year

48. Give details of "beyond syllabus scholarly activities" of the department.

- ➔ Presentation of scientific papers at UG Research Conference – DeMedCon
- ➔ STS ICMR projects and publications
- ➔ UG Research Methodology Workshops
- ➔ National Science Day
- ➔ National Research Seminar

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- ➔ Yes. Accredited by ISO 9001:2000 certified as per Certificate Registration No.12 100 28315 TMS and NAAC Certified on 21st May 2006.
- ➔ Central Clinical Biochemistry Laboratory is participating in Quality Control Programmes like Internal Quality Assurance Programme and External Quality Assurance Programme by

BIORAD, USA.

➔ CME and Conference are accredited by KMC

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ Pre-analytical errors are the most common type of errors in clinical laboratory. Demonstrated 44.3% errors in central clinical Biochemistry Laboratory.
- ➔ HDL cholesterol is significantly decreased in cases of Oral squamous cell carcinoma
- ➔ HbA1c, Oxidative stress parameters like erythrocyte glutathione and Vitamin C can be considered as a good index in predicting the onset and progression of Diabetic Retinopathy.
- ➔ HOMA IR is a sensitive marker for Diabetes. Demonstrated increased HOMA IR levels in diabetic population with increased age.
- ➔ Acute Organo phosphorus poisoning is the most common cause for poisoning in India. OP poisoning is associated with hyper-amylasemia. Estimation of Serum amylase, Lipase and Creatinine Phospho kinase can be used as an additional prognostic indicator with plasma cholinesterase levels.
- ➔ Demonstrated increased oxidative stress in preeclampsia patients before the delivery and oxidative stress was significantly decreased after delivery. This indicates that oxidative stress plays a role in pathophysiology of Preeclampsia.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ Academically qualified, well trained and dedicated Staff
- ➔ Enthusiasm, dedication and interest shown by the faculty have resulted in awarding Gold Medals for two Postgraduate students in consecutive years.
- ➔ Faculties are actively involved in research activities by enrolling to Ph.D. and PGDGT programmes.
- ➔ Department has been regularly organizing CMEs and successfully conducted 2nd State level AMBKC Conference
- ➔ Central Clinical Laboratory which caters diagnostic services is equipped with State-of- Art Dry Chemistry Analyser, Chemiluminescence (Johnson and Johnson) and HbA1c Bio Rad Analyser with Quality Control of Laboratory by IQAS & EQAS by BIORAD USA
- ➔ NABH and NABL accreditation process has been initiated

Weakness:

- ➔ Difficulty in getting international or national Grants.
- ➔ Time constraint to carry out research since most of the staff are given additional responsibilities.
- ➔ All teaching and technicians are not trained in ISO 15189 Internal Audit Quality Management Systems NABL certificate course.

Opportunity:

- ➔ Funded projects offered by the University for research
- ➔ NABL training for teaching and non-teaching staff.
- Establishing collaborative research with other institutions and corporate funding agencies

Challenges:

- ➔ Getting DBT and ICMR funds for research projects.
- ➔ Getting the Central Clinical Biochemistry Laboratory NABL accredited.
- ➔ Improving the academic performance of poor achievers

52. Future plans of the department.

- ➔ To get external funding for the Research projects.
- ➔ To establish fully equipped sub specialty laboratories.

Evaluative Report of the Department Physiology

1. **Name of the department:** Physiology
2. **Year of Establishment:** 1986
3. **Is the Department part of a college/Faculty of the University?**
Yes. Faculty of the University
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
 - ➔ UG- MBBS
 - ➔ PG - MD
 - ➔ PhD.
5. **Names of Interdisciplinary courses and the departments/units involved:**

Allied Health Sciences Courses

 - ➔ B.Sc. Medical Laboratory Technology
 - ➔ B.Sc. Operation theatre technology
 - ➔ B.Sc. Ophthalmic technology
 - ➔ B.Sc. Radio imaging technology
 - ➔ B.Sc. Renal Dialysis
 - ➔ M.Sc. Molecular biology and human genetics
 - ➔ M.Sc. Medical Laboratory Technology
 - ➔ MPH – Master of public health
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

BSc.Nursing– Rajiv Gandhi University of Health Sciences, Bangalore.
7. **Details of courses/programmes discontinued (if any) with reasons:** Nil
8. **Annual/ semester/choice based credit system (Programme wise):**
 - ➔ UG- Annual
 - ➔ PG - at the end of course
 - ➔ PhD- end of the course.
 - ➔ Allied Health Sciences – end of semester

9. Participation of the department in the courses offered by other departments:

Department	Course	Activity
Pharmacology	PG-MD	Co-Guide Vertical integration.
Medicine	PG-MD	Vertical integration
Ophthalmology	PG-MS	Vertical integration

10. Number of Teaching posts:

	Sanction by University	As per MCI	Filled	Actual (including CAS & MPS)
Professors	1	1	3	3
Associate Professors	2	2	-	-
Asst. Professors	5	3	5	5
Tutors	4	4	-	-

11. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./ M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	As Post Graduate Guide
Dr.Vinutha Shankar.M.S	MBBS,MD	Professor&HOD HOD	Physiology	14 Yrs 10 Months	9 Years
Dr.Karthiyanee Kutty.T	MBBS,MD	Professor	Physiology	18 Yrs 8 Months 14Days	10 Years
Dr.Jagadamba.A	MBBS, MD	Asst. Professor	Physiology	3 Yrs 10 Months 19 Days	-
Dr.P.Raja Reddy	MBBS, MD	Asst. Professor	Physiology	3 Yrs 3 Months 15 Days	-
Dr.Geetha.S	MBBS, MD	Asst. Professor	Physiology	2 Yrs 5 Months 13 Days	-
Dr.VineethaVittal	MBBS, MD	Lecturer	Physiology	11 Months.	-
Mrs.Usha.G.Shenoy	M.Sc	Lecturer	Physiology	16 Yrs 3 Months 13 Days	-

12. List of visiting Fellows, Adjunct faculty, emeritus professors: Nil

13. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

There is no temporary faculty in the department.

14. Student -Teacher Ratio (programme wise):

Course	Student –Teacher Ratio
MBBS (UG)	25:1
MD (PG)	3:2
PhD	1:2
BSc. MLT	8:1
Bsc. OT technology	5:1
BSc Ophthalmic Technology	4:1
B.Sc Imaging Technology	9:1
MSc–Molecular Biology & Human Genetics	5:1
B.Sc Renal Dialysis	3:1
B.Sc Nursing	14:1

15. Number of academic support staff (technical) and administrative staff; sanctioned and Filled and actual:

SL. NO.	Designation	Sanctioned	Filled	Actual
1	Lab Technician	1	1	1
2	Typist	1	1	1
3	Lab Assistant	Nil	1	1

16. Research thrust areas as recognized by major funding agencies:

1. Yoga in health and disease.
2. Heart Rate Variability among susceptible population.
3. Role of Environmental Health in health and disease.
4. Diabetes Mellitus – Anthropometric measurements, Role of Diet and Exercise.
5. Medical Education with special interest in innovative teaching learning methods.

17. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

- National: Nil
- International funding agencies: Nil
- Funded by University

Title of Project	Principal investigator	Grant allotted
Relationship between iron deficiency anemia and cognition in the school children of Kolar- a pilot study	Mrs. Usha. G. Shenoy	SDUAHER Rs. 50,000/-

18. Inter –institutional collaborative projects and associated grants received- nil

19. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

**20. Research Centre /facility with state, national and international recognition:
Central Clinical Laboratory established by the University**

21. Special Research laboratories sponsored by/ created by industry or corporate bodies : Nil

22. Publications:

- * Number of papers published in peer reviewed journals: 44
- * National : 26
- * International : 18
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) *

* Citation Index – range / average	: 0-15
* Scopus	: 08
* Pub Med	: 16
* Web of Science	: 08
* SNIP	: 0.116-0.859
* SJR	: 0.151-0.409
* ISI Impact Factor – range / average	: 0.236-1.074
* h-index	: 2.5

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

1. Dr,Vinutha Shankar M.S. was selected for the following programmes by other institutions as resource person.

i) As FAIMER faculty for FAIMER Fellowship program in PSG FAIMER Regional Institute, Coimbatore from March 29th – April 7th 2014.

ii) PG Orientation Course, Conducted by MEU faculty of SDUMC at Adichunchanagiri Institute of Medical Sciences (AIMS), Bellur, Mandya on 5th & 6th August – 2011 and on 19th – 20th October 2012.

iii) Workshop on Medical Education Technology, Conducted by MEU faculty of SDUMC at Mysore Medical College & Research Institute, Mysore from 5th – 7th January 2012.

iv) Underwent training at 50th NTTC programme at JIPMER, Pondicherry in September 2004

2. Dr.Geetha underwent training at 67th NTTC programme at JIPMER, Pondicherry in September 2013.

26. Faculty serving in a) National committees b) International Committees c) Editorial Boards d) any other (specify)

Dr.Vinutha Shankar M.S. is the reviewer for applications to FAIMER for PSG FRI programme.

27. Faculty recharging Strategies

Faculty regularly attends

1. Medical Education Technology Workshops.
2. Workshops in Electrophysiology, Diabetes Mellitus, Exercise Physiology and Autonomic function.
3. Workshops in Research Methodology, Biostatistics and Scientific Writing.
4. Workshops and training programs in Health Professional Education.
5. CMEs to update advances in Physiology and Medicine.

28. Student projects

➔ Percentage of students who have done in-house projects including inter departmental/program:

UGs		4(0.4%)
PGs	In-house	100%
	Inter-departmental	33%

➔ Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

29. Awards/ Recognitions received by faculty and students:

Dr.Jagadamba.A, Assistant Professor, won the first prize for oral presentation titled

“Utility of neck circumference as simple and novel anthropometric marker of obesity in adult” at the 20th International Conference on Frontiers in Yoga Research and its application at S-VYASA Yoga University, Bangalore in January 2014.

Dr.P Raja Reddy completed a certificate course in Evidence Based Diabetes Management by Public Health Foundation of India, Dr.Mohan's Diabetes Education Academy and International Diabetes Federation in 2014.

Dr.P Raja Reddy completed a Postgraduate Course in Diabetology from Boston University School of Medicine in February 2015.

Dr.Vinutha Shankar was awarded FAIMER Fellowship in 2011.

Dr.Sumit Garg Postgraduate student won Gold Medal for Oral presentation on "Study of profile of dietary status, BMI & Physical activity in patients with type-II diabetes mellitus" at APTCON 2010 in Coimbatore.

30. Seminars / Conferences / Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

SL. NO.	DATE	PROGRAMMES	FUNDING AGENCY	OUTSTANDING PARTICIPANTS/ RESOURCE PERSON
1	19-10-2007	Application of Principles of Electrophysiology in Clinical Medicine	SDUAHER & MERT	Dr.Sathya Subramani, Prof. & HOD, CMC Vellore, Dr.Rajesh Iyer, Consultant Neurologist, Narayana Hrudayalaya, Bangalore.
2	14-09-2009	Exercise Physiology	SDUAHER & MERT	Dr.MarioVaz, Prof. of Physiology, Dr.Vageesh Ayyar, Endocrinologist, St.Johns Medical College, Bangalore. Dr.Kannan.P, Sport Consultant.
3	05-02-2011	Orientation program on Yoga therapy for Medical professionals	SDUAHER & MERT	Dr.R.Nagarathna & Dr.Naveen.K.Visweswarai h, Exponents of Yoga from S-Vyasa, University, Bangalore.
4	22-09-2012	Emerging Area of interest for research in Physiology	SDUAHER & MERT	Dr.Padmavathi, Prof. & HOD of Physiology, Ramachandra Medical College, Chennai, TN. Dr.Maruthy.K.N, Prof. & HOD, Annapurna Medical

				College, Salem, TN.
5	28-02-2013	Construct & conduct of OSPE in Physiology	SDUAHE R & MERT	Dr.Vasthrad, Prof. & HOD of Physiology, PES, Kuppam, AP. Dr.Kalavathi, Prof. & HOD of Physiology, ESI Medical College, Bangalore.
6	13/14-08-13	Research Methodology	SDUAHE R & MERT	Dr.Sathya Subramani, Prof. & HOD, CMC Vellore, TN. Dr.MarioVaz, Prof. of Physiology, St.Johns Medical College, Bangalore. Dr.Geethanjali & Dr.Raveendran, Professors of Pharmacology, JIPMER, Pondichery. Dr.Priti Taneja, outstanding academician and medical educator.
7	24-01-2014	Physiological Principles in the Management of Fluid and Electrolyte Imbalance	SDUAHE R & MERT	Dr.Sharan.B.Singh, Professor of Physiology, Narayana Medical College, Nellore, AP. Dr.Jisha Gangadharan, Consultant Nephrologist Narayanan Health Hospital, Bangalore, Dr.Rangunanda, Intensivist, Vikram Hospital, Bangalore.
8	02-07-014	Electrophysiology in Audiology	SDUAHE R & MERT	Dr.D.R.Srinivas, Senior Consultant, Dept. of ENT, BGS Hospital, Bangalore. Dr.Ajith Kumar.U PhD, Reader in audiology All India Institute of Speech and Hearing, Mysore.

31. Code of ethics for research followed by the departments

Ethics is as per GCP, ICMR, DCGI Schedule Y and guidelines put up by IEC and CEC.

32. Student profile programme/course wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG					
2007-08 BATCH		78	72	70	77
2008-09 BATCH	770	81	69	80	73
2009-10 BATCH	890	67	83	65	72
2010-11 BATCH	730	73	77	60	80
2011-12 BATCH	1116	64	86	89	90
2012-13 BATCH	1929	71	70	81	91
2013-14 BATCH	3820	87	63	63	82
2014-15 BATCH	2051	84	66	--	--
PG					
2007-08 BATCH		2	1	100	100
2008-09 BATCH		1	2	100	100
2009-10 BATCH		0	3	--	100
2010-11 BATCH		1	2	100	50
2011-12 BATCH		0	3	--	100
2012-13 BATCH		1	1	--	--
2013-14 BATCH		0	0	--	--
2014-15 BATCH		0	0	--	--
2015-16 BATCH		0	0	--	--

33.Diversity of Students: 2007-2015

Name of the Program (Refer to question no. 4)	% of students from the same University	% of students from other universities within the	% of students from Universities outside the	% of students from other
--	--	--	---	--------------------------

no.4)		State	State	countries
PG	0	90	10	--
Ph.D	50	50	--	--
UG	From the Same State	Outside the State	Out Side the Country	
2007-15	31 %	61 %	8 %	

34. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? - Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	0
PG to M.Phil, DM / M Ch / DNB	0
PG to Ph.D	5
Ph.D to Post – Doctoral	0
Employed	
1. Campus selection	-
2. Other than campus recruitment	-
Entrepreneurs	--

36. Diversity of staff

	Percentage of UG	Percentage of PG
Of the same University	0	20
From other Universities within the State	87.5	80
From Universities from other States	12.5	0
From Universities outside the country	0	0

37. Number of faculty who were awarded M.Phil, DM, MCh, PhD, DSc and DLitt during the assessment period: Nil

38. Details of Departmental Infrastructural facilities

Library	Number of books in Department Library : 180 Journals: all free access journals, HELINET consortium, Science Direct, Lippincott's Williams and Wilkins, JP Digital.
Internet facilities for staff and students	Department is equipped with a laptop, two desktops with LAN facility & 3 printers. All staff members have laptop with Wi-fi facility Students use internet facility in digital library
Total number of class rooms	Shared Lecturer – 1 No. Demonstration Rooms – 3 Nos. Demonstration Room Equipped with LCD – 1 No.
Class rooms with ICT facility and 'smart' class rooms	Lecture Gallery ICT enabled with smart board - 1 No. Common Air conditioned Audio visual room – 1 No.
Students' laboratories	UG Laboratory - 3 Nos. PG Laboratory - 1 No.
Research Laboratories	Well Equipped Cardio-Respiratory and Electrophysiology Lab.
Museum	CNS Modules used in model based learning and Instruments that were used in animal experiments and their relevance in understanding Physiological Mechanisms.

39. List of doctoral, post-doctoral students and Research associates

a) from the host Institution / University

Mrs. Usha Shenoy

Dr. Jagadamba

Dr. Raja Reddy (Ph.D.)

b) from other Institutions / Universities : Nil

40. Number of post graduate students getting financial assistance from the university

All postgraduate students get stipend.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes. There was a perceived need among the faculty to pursue research in the thrust areas. The department and institution had experts to guide, with infrastructure to support the scholarly activity. This need was discussed in depth at the faculty meeting, put forward for discussion at the Board of Studies meeting, from there to University statutory bodies and approved by Academic Council.

42. Does the department obtain feedback from

- a) faculty on curriculum as well as teaching – learning – evaluation? If yes, how does the department use the feedback?

Yes, Feedback is taken on curriculum as well as teaching – learning – evaluation during department meetings and after student assessments. Suggested improvements are incorporated after putting it up in the BOS meeting and getting approval.

- b) students on staff, on curriculum and teaching – learning – evaluation and how does the department use the feedback

Feedback is taken from students of 3rd – 9th term regarding curriculum.

Quarterly feedback is taken from students about staff, factors facilitating and hindering learning, annual feedback regarding curriculum and teaching-learning and evaluation is taken and analyzed. Feedback copy is submitted to Director Academics also. Points that emerge are discussed at Department meetings, put up in BOS that require further consideration and needful action undertaken.

c) alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback is taken and intervention and incorporation of suggestions done as needed.

43. List of distinguished alumni of the Department:

SL.NO.	NAME	DESIGNATION
1	Dr.Sumana Panja	Assoc. Prof, Medical College, West Bengal.
2	Dr.Revathi	Assoc. Prof, Meenakshi Medical College, Tamilnadu
3	Dr.Padmanabha	Reader, Jizan University, Saudi Arabia
4	Dr. Yathish	Assoc. Prof, Hassan Institute of Medical Sciences , Karnataka
5	Dr. Shashiraj	Assoc. Prof. Siddartha Medical College, Tumkur.
6	Dr.Poornima	Assoc. Prof. Dr.B.R.Ambedkar Medical College, Bangalore.
7	Dr.Sumit Garg	Asst. Prof. Saraswati Institute of Medical Sciences, Hapur, Uttar Pradesh
8	Dr.Kavana.G.V	Asst. Prof. Periyaram Medical College, Kerala
9	Dr.Padmini	Asst. Prof. Yenopoya University, M'lore
10	Dr.Sindhu.R	Asst. Prof. PES, Kuppam, AP

44. Details on student enrichment programmes (special lectures / workshops / seminars) with external experts

Workshops, Quiz, CPC, Conferences including DEMEDCON, opportunities to interact with specialists and medical educators are provided to students.

45. Teaching methods adopted by faculty for different programs including clinical teaching :

UG	PG	Allied health Sciences	Ph. D
1. Interactive lectures with power point presentations 2. Small group discussions during tutorials. 3. Modified team based learning, 4. Case based learning. 5. Readiness assessment tests during tutorials for learning 6. OSPE and OSCE as learning tool. 7. Video based learning 8. Computer assisted learning 9. Multimedia for learning	1. Seminars 2. Journal club 3. Digitalized journal club 4. Practicals 5. Clinicals 6. Case discussions	1. Didactic lectures 2. Interactive lectures with power point presentations 3. Practicals	1. Journal Club 2. Seminar

10. Charts and model based learning 11. Mindmap based learning 12. Mannikins for learning in skill lab. 13. Seminars 14. Integrated learning 15. Orientation of soft skills during clinical examinations.			
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46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UG	PG	Allied health Sciences
<ul style="list-style-type: none"> Formative Assessments OSPE & OSCE Viva Voce Remedial classes for poor performers Mentorship programme Counseling 	<ul style="list-style-type: none"> Weekly guide –student interaction 6 monthly Log book evaluation 6 monthly dissertation progress assessed by 	<ul style="list-style-type: none"> Formative assessment Assignments Internal assessments PhD Half yearly log books

<ul style="list-style-type: none"> • Parent teacher Interactions 	<p>external members & report submitted.</p> <ul style="list-style-type: none"> • Assessment of seminar/journal club with the help of a checklist • Formative assessment • Peer group teaching • Observing and reporting on the post graduate student's non-academic attributes • Mock Exams with external examiners 	<ul style="list-style-type: none"> • Weekly review with guide
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47. Highlight the Participation of students and faculty in Extension activities

- Alzheimer's day awareness campaign conducted on a yearly basis on 21st September.
- Public Awareness Camps
- Swach Bharath Abhiyan
- NSS and YRC activities
- Participation in Diabetic camps
- Participation in celebration of important Health days like World AIDS day, Glaucoma day etc.

48. Give details of "beyond syllabus scholarly activities" of the department.

UG	PG
<p>→ Encouraged to take part in Quiz, student conferences & workshops</p> <p>→ Student projects & presentation</p>	<p>→ 3 month posting in the department of their choice where they design, complete and publish a small project.</p> <p>→ Encouraged to attend all the Conferences/workshops conducted by the parent body & present in them.</p> <p>→ Guidance in publishing of completed projects.</p> <p>→ Microteaching classes conducted to guide them in good Teaching –Learning practices.</p>

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes. Accredited by ISO9001: 2000 certified as per Certificate Registration No.12 100 28315 TMS and NAAC Certified on 21st May 2006.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ The effect of smoking, stress, anxiety and childhood obesity on cardiovascular system was demonstrated by changes in HRV.
- ➔ Reduction of HRV has been demonstrated among smokers, which reverts to normal after quitting smoking.
- ➔ A 6 week yoga program alleviates stress in medical students.
- ➔ A weeklong yoga program improves quality of life.
- ➔ A simple measurement like neck circumference can predict the risk of development of diabetes mellitus.
- ➔ Regular supervision of diet and exercise, in diabetic patients results in good compliance which improves their glycemic control and motivates them to adhere to lifestyle modification.
- ➔ Environmental health has been studied in the community demonstrating respiratory impairment in quarry and tamarind and rice mill workers, housewives using biogas, hearing impairment in traffic policemen and granite workers. As a result of this awareness has been created regarding prevention and regular monitoring.

51. SWOC analysis of the department and future plans

Strengths:

- ➔ Academically well qualified faculty trained in Health Profession Education.
- ➔ Structured curriculum and well defined objectives.
- ➔ Innovations in teaching learning methods.
- ➔ 120 validated, OSPE and OSCE stations.
- ➔ Well equipped research laboratory in core physiology areas like exercise physiology, electrophysiology, autonomic functions that cater to research interests.
- ➔ Act in tandem with clinical departments in health care delivery.

Weakness

- ➔ Delay in converting all completed projects to publications.
- ➔ Difficulty in garnering approval for funding from national and international agencies.
- ➔ Difficulty in establishing collaborative research.

Opportunities

- ➔ To attend workshops that equip skills to write a good research proposal that will be awarded grants from funding agencies
- ➔ To document the role of yoga in physiological systems in health, stress and disease.
- ➔ To collaborate with NGOs / Government in the study of effects of environment on human body and promote awareness.
- ➔ Compulsory MET training and advanced courses in Health Profession Education empowers faculty to be better teachers.

Challenges:

- ➔ To attract students to the post graduate programme.
- ➔ Constraints in balancing academic and research work.
- ➔ Difficulty in motivating poor performers with non academic causes.
- ➔ Difficulty in recruitment and training of technical staff to assist in specialized research labs.

52. Future plans:

- ➔ To publish a book of Specific learning objectives and assessment methods employed in the Department.
- ➔ To enhance research programs funded by ICMR and DST.
- ➔ To be the centre for innovative teaching in Physiology.

Evaluative report of Department of Pathology

1. **Name of the Department** : Pathology
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Pathology Department is a part of Faculty of the University.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
 - A) Under Graduate program
 - ii) MBBS
 - B) PG Program
 - i) MD Pathology
 - C) Ph.D.:
 - i) Pathology
5. **Interdisciplinary programs and departments involved**
Allied Health Sciences:
 - ➔ B.Sc. [Bachelor of Science] Medical Laboratory Technology,
 - ➔ B.Sc. [Bachelor of Science] Operation Theatre Technology
 - ➔ B.Sc. [Bachelor of Science] Radio Imaging Technology,
 - ➔ B.Sc. [Bachelor of Science] Renal Dialysis,
 - ➔ B.Sc. [Bachelor of Science] Ophthalmic Technology
 - ➔ Post Graduate Diploma in Genomic Technology (PGDGT)
 - ➔ M.Sc. [Master of Science] Molecular Biology and Human Genetics
 - ➔ M.Phil. [Master of Philosophy] Cell Biology and Molecular Genetics

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

➔ B.Sc. [Bachelor of Science] Nursing (Basic)

➔ B.Sc. [Bachelor of Science] Nursing (Post Certificate (PC)

in collaboration with Rajiv Gandhi University of Health Sciences (RGUHS), Bengaluru.

7. Details of programs discontinued, if any, with reasons : Nil.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :

➔ MBBS - Annual

➔ PG – at the end of the course.

➔ Ph.D. – as per UGC regulations 2009.

➔ Allied Health Sciences- Semester

9. Participation of the department in the courses offered by other departments

a) Postgraduates from other departments(mentioned below) are posted to our department as a part of their PG programme

Department	Course	Activity
Paediatrics	MD, DCH	15days posting with specific learning objectives
Dermatology	MD	15days posting with specific learning objectives
Microbiology	MD	15days posting with specific learning objectives
Surgery	MS	15days posting with specific learning objectives
Physiology	MD	15days posting with specific learning objectives

b) Postgraduates from Pathology are posted to the below

mentioned departments as a part of their PG programme

Department	Course	Activity
Biochemistry	MD	15days posting with specific learning objectives
Microbiology	MD	15days posting with specific learning objectives
Emergency Medicine	MD	15days posting with specific learning objectives
Forensic Medicine	MD	30days posting with specific learning objectives

Department staffs are co-guides to PGs of other departments:

SL.No	Name	PG co-guide
1	Dr. C. S. Babu Rajendra Prasad	Radiology, OBG, ENT, Surgery, Medicine
2	Dr.M.L.Harendra Kumar	Radiology, OBG, ENT, Surgery, Medicine, Dermatology,
3	Dr. T. N. Suresh	Radiology, OBG, ENT, Surgery, Medicine, Dermatology
4	Dr. Subhashish Das	Orthopedics, Medicine.

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned by the University	MCI Requirement	Filled	Actual (including CAS & MPS)
Professor	4	2	4	4
Associate Professor / Reader	4	4	2	3
Assistant Professor	5	5	4	4
Lecturer				
Tutor / Clinical Instructor	12	6	12	12
Senior Resident				
University sanctioned posts are 20% more than the MCI requirement.				

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

SL. No	Name	Qualification	Designation	Specialization	No . of years of experience	PG guide
1	Dr.C.S.BabuRajendra Prasad	MBBS, MD	Professor & HOD	Cytology, Genetics	13 Years	4years
2	Dr.M.L.Harendra Kumar	MBBS, MD	Professor	Histopathology, Oncopathology	23 Years, 7 months	16years
3	Dr.T.N.Suresh	MBBS, MD, DNB	Professor	Histopathology, Oncopathology	11 Years 2 months	4years
4	Dr.Subhashish Das	MBBS, MD	Professor	Transfusion Medicine Cytology	10 years 6 months	3years
5	Dr. Manjula	MBBS, MD	Associate Professor	Cytology Genetics	9 years	1year
6	Dr.Hemalatha. A	MBBS, MD	Associate Professor	Histopathology Oncopathology	6 years 10 months	-
7	Dr.Swaroop Raj	MBBS , MD	Assistant Professor	General Pathology	1 year 10 months	-
8	Dr.S.Sushma	MBBS , MD	Assistant Professor	General Pathology	1 year,10 months	-
9	Dr.Supreet ha	MBBS ,MD	Assistant Professor	General Pathology	5 months	-
10	Dr.M.D.Shilpa	MBBS , MD	Assistant Professor	General Pathology	5 months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

SL · No ·	Name of the program	No of Class prescrib ed	No of class taken	% of classes taken by the faculty
	MBBS			

13. **Percentage of classes taken by temporary faculty – program-wise information**

14. **Program-wise Student Teacher Ratio**

SL · No ·	Name of the program	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1	Undergraduate MBBS	150	10	25 : 1
2	Postgraduate (MD)	4	10	1 : 1
3	Allied Health Science B.Sc.Medical Laboratory Technology B.Sc.Operation theatre Technology B.Sc.Radio Imaging Technology B.Sc.Renal Dialysis B.Sc. Ophthalmic Technology PG Diploma in Genomic Technology (PGDGT) M.Sc.Molecular Biology and Human Genetics M.Phil Cell Biology and Molecular Genetics			3 : 1 3 : 1 3 : 1 3 : 1 3 : 1 2 : 1 2 : 1 3 : 1

15. **Number of academic support staff (technical) and administrative**

staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
1)	Research assistant[technical]	4	5	
2)	Computer operator & Clerk*	1	1	
3)	Lab Attendants	2	2	
4)	Sweepers	2	2	

16. Research thrust areas as recognized by major funding agencies

Tumor Biology: - Application of Immunohistochemistry markers and molecular markers for the diagnosis / prognosis of following malignancy.

1. Head & neck tumors
2. Breast tumor
3. Prostatic tumor
4. Cervical cancer
5. Thyroid tumors
6. Gastrointestinal cancer

2. Cytopathology :

1. Study of cytopathology of thyroid tumors.
2. Lymph node cytology
3. Lateral neck swelling cytology
4. Breast cytology
5. Cervical cancer screening.

3. Hematology:

1. Bleeding and coagulation studies in Snake poisoning
2. Platelet Indices in various diseases
3. Erythrocyte Sedimentation Rate
4. Blood Grouping in various diseases
5. Clinical utilization of peripheral blood smears

4. Autopsy

1. Atherosclerosis in Coronaries and Aorta

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No	Project	Investigator	Project No	Funding	Total grants
1	Identification of acid fast bacilli in effusion by clot processing technique and its validation by PCR technique	Dr CSBR Prasad Dr.HarendraKumar.M.L	SDUAHE R/Res Proj/30/2013-2014	University	Rs 1,50,000/-
2	Developing a novel in vitro diagnostic test for predicting metastasis in breast cancer patients	Dr.TN Suresh Dr. Charusheila Ramkumar Dr.Mohan Kumar Dr.Harendra Kumar ML Dr.Shaji George	SDUAHE R/Res Proj/99/2014-2015	DST	

18. Inter-institutional collaborative projects and associated grants received

- f) National collaboration
- g) International collaboration

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sl · No	Title	Principal Investigators/ Co-investigators	Project No	Funding	Total grants received
1	Developing a novel in vitro diagnostic test for predicting metastasis in breast cancer patients	Dr.TN Suresh Dr. Charusheila Ramkumar Dr. Mohan Kumar Dr. Harendra Kumar ML Dr. Shaji George	SDUAHER/ Res Proj/ 99/2014-15	DST approved	-
2	Study and analysis of p53 and KI67 & PRb expression in premalignant and malignant cervical lesions	Shruthi PS, Kalyani R	HRD NO:P 3/2/2011/PG thesis HRD 16	ICMR	Rs. 25,000/ -
3	Significance of urine sediment in the era of ten parameter dip stick	Pranay Kumar, Dr. CSBR Prasad, Dr. Harendra Kumar ML	STS-201202837- 2012	ICMR	Rs. 10,000/ -
4	Evaluation of histomorphological and immunohistochemical markers as	Dr. T.N Suresh Dr. Hemalatha . A	SDUAHER/ Res Proj/ 38/2010-11	University	Rs. 1,57,900/-

	biomarker/predictor of cervical lymph node metastasis in Squamous cell carcinoma of the oral cavity – A retrospective study	Dr. M.L. Harendra Kumar			
5	Vimentin expression in breast carcinoma	Dr. Hemalatha .A Dr. T.N.Suresh Dr. Harendra Kumar.M. L	SDUAHER/Res Proj/ 33/2010-11	University	Rs. 35,000/-
6	Serum Lipid profile in Carcinoma Cervix	Dr. Kalyani.R	SDUAHER/Res. Project/ 48/2011-12	University	-
7	Apoptosis in Peripheral blood neutrophils in patients with active tuberculosis – A case control study	Dr. Aparna Narasimha Dr. M.L. Harendra Kumar Dr. CSBR.Prasad	SDUU/ Res.Proj/ 26/2009-10	University	Rs. 1,000/-
8	Study to detect plasma cells in endometrium by syndecan – Immunohistochemistry in chronic endometritis	Dr. Vidyavathi . K Dr. M. L. Harendra Kumar Dr. Sunitha.	SDUU/Res.Proj/ 27/2009-10	University	Rs. 25,000/-
9	Significance of	Dr. Aparna	SDUU/Res.Proj/10	University	-

	Hematological Scoring system in early diagnosis of neonatal sepsis.	Narasimha , Dr. M. LHarendra Kumar Dr. CSBR.Prasad	/2008	ity	
10	Significance of Apoptotic Leucocytes in Peripheral Blood smear – Case control study	Dr. M.L.Harendra Kumar Dr. Aparna Narashimha Dr. R. Rupnarayan Dr. CSBR.Prasad	SDUU/Res.proj/11 /2008	Univers ity	-

20. Research facility / centre with

- state recognition : Nil
- national recognition
 - ➔ Regional Blood Bank with Component separation recognized by CDSCO (Central Drugs Standard Control Organization)
 - ➔ Genomics and Central Research Laboratory
- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :

- ➔ Immunohistochemistry Laboratory
- ➔ Component Separation – Blood Bank

22. Publications:

- * Number of papers published in peer reviewed journals : 195
- * National : 79

- * International : 116
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers: Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Scopus : 67
- * Pub Med : 107
- * Web of Science : 61
- * Scopus Citation Index – range / average : 0-13
- * SNIP : 0.022-1.043
- * SJR : 0.1-1.1
- * ISI Impact Factor – range / average : 0.198-4.036
- * h-index :
-

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated**

Service Consultancy Done - Histopathology, Hematology, Cytology and Blood Bank Services provided for Nursing Homes and Hospitals in surrounding areas Approximately Rs. 70, 000 to 100,000/ year.

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) any other (specify)

Staff Name	National Committee	International Committee	Editorial Board	Any Other
Dr Harendra Kumar M L	-	-	-	Ex President KCIAPM
Dr Suresh T N	-	-	-	Executive Committee Member KCIAPM
Dr.Subhashish Das	-	-	Reviewer For JCDR (Journal of Clinical and Diagnostic Research)	-

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ CME
- ➔ Work shops
- ➔ Pedagogy
- ➔ Two staff members underwent NTTC training in JIPMER.
- ➔ One staff member underwent special training in Cytology.
- ➔ Three staff members underwent training in Immunohistochemistry.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects
UG - 2 %(total number 12), PG – 100%
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute
Nil

29. Awards / recognitions received at the national and international level by

- Faculty

S.No	Place	Staff	College
1	Fellow of Indian college of Pathologists award	Dr Kalyani R	Awarded FICP at 58 th APCON Annual Conference of Indian association of Pathologists and Microbiologists at Science City, Kolkata in October 2009
2	Honorary profession ship from Indian Medical Association college of general practitioners on	Dr Kalyani R	Fellow of International Medical Science Academy (FIMSA) awarded on 22nd July 2011
3	Fellow of Indian college of Pathologists award	Dr M L Harendra Kumar	Awarded FICP at 60th APCON Annual Conference of Indian association of pathologists and Microbiologists at Patiala in Dec 2011
4	2 nd prize	Dr Hemalatha A	Oral paper presentation 38th annual KCIAPM state conference held at Sri Devaraj Urs Medical College, Kolar on 10 th and 11 th September 2011
5	2 nd prize	Dr Hemalatha A	Oral paper presentation International CME in Pathology, 2nd to 4th Feb 2012 at Goa Medical College, Goa
6	3 rd prize	Dr Aparna Narasimha	Oral paper presentation International CME in Pathology, 2nd to 4th Feb 2012 at Goa Medical College, Goa.
7	2 nd prize	Dr Suresh T N	Oral paper presentation International CME in Pathology Histopathology and

			Cytopathology at Goa Medical College, GOA. ON 7th, 8th & 9th Feb 2013
8	Best Teacher	Dr M L Harendra Kumar	Best Teacher Award for the year 2012-13, Sri Devaraj Urs Medical College year
9	1 st prize	Dr Suresh T N	Group project presentation course on Health Research and Methods and Evidence based Medicine 18th to 23rd November 2013 held at St Johns Medical College and Research Center (NIH – Centre of Excellence) and PHRI, McMaster University, Canada
10	Best Teacher	Dr Suresh T N	Best Teacher Award for the year 2012-13, Sri Devaraj Urs Medical College year

- Doctoral / post doctoral fellows

Sl No	Course	Staff	College
1	PGDGT- Post Graduate Diploma in Genomic Technology	Dr.C.S.B.R.Prasad	SDUAHER in 2013
2	PGDGT- Post Graduate Diploma in Genomic Technology	Dr.Manjula.K	SDUAHER in 2013

- Students

Sl. No	Place	Post Graduate name	College
1	2 nd Prize	Dr.Chethana Mannem	Quiz on Pulmonary Pathology at Commando Hospital, Bangalore in Dec 2009
2	3 rd Prize	Dr.Supriya.R.Kokanay	Quiz on Pulmonary Pathology at Commando Hospital, Bangalore in

			Dec 2009
3	2 nd prize	Dr.Supriya.R.Kokanay	Pathology Quiz at Bangalore Medical college, Bangalore in 2010
4	1 st prize	Dr.Supriya.R.Kokanay , Dr.Sapna.M	RNTCP quiz conducted by Sri Devaraj Urs Medical college, Kolar – 2010
5	1 Prize	Dr.Supriya.R.Kokanay , Dr.Sapna.M	Pathology quiz competition at KCIAPM state conference in Oct 2010
6	2 nd Prize	Dr.Thej.M.J, Dr.Thomas.A.K	Pathology quiz conducted by Narayana Hrudalaya in Feb 2011
7	3 rd Prize	Dr.Vasavi.B.N,, Dr.Suraksha.Rao	Pathology quiz conducted by Narayana Hrudalaya in Feb 2011
8	3 rd place	Dr.Thej.M.J , Dr.Thomas.A.K Dr.Vasavi B	National hematology quiz competition on 30 th August 2011 at Narayana Hrudayalaya
9	2 nd best presenter	Dr. Thomas AK	KCIAPM slide seminar on renal pathology at MSRMC, Bangalore in 2011
10	2 nd prize for Oral Paper Presentation	Dr. Suraksha B Rao	38 th KCIAPM annual state conference at SDUMC, Kolar in September 2011
11	1 st prize for Poster Presentation	Dr. Vasavi B	CYTOCON 2011, National cytology conference at SDM, Dharwad
12	2 nd prize for Poster Presentation	Dr.Rizwan Javed	CYTOCON 2011, National cytology conference at SDM, Dharwad

13	1 st prize	Dr.Thej J, Dr.Thomas A.K	State Level Pathology quiz competition by KCIAPM in 2012 at MVJ medical college, Bangalore
14	3 rd prize	Dr Rizwan Javed	Transmedcon held by Indian society of transfusion Medicine at Bangalore, September 2013
15	Best presentation award	Dr Sharitha N	Slide Seminar conducted by KCIAPM on 1 st February 2015
16	3 rd Prize	Dr Rakshith V, Dr Yeshaswini R, Dr Veena R	Path Fest Symposium Series – Bangalore Chapter, St Marthas Hospital, Bangalore on 8 th and 9 th August 2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Name of Conference/workshop (with date/ month/year)	source of funding	Outstanding Participants	Total No. of Delegates
1	27.11.2005	CME on “HEMOPHILIA”		
2	26.07.2006	CME on Clinical Utilities of Blood and Blood Components		
3	21.05. 2008	CME on “Stem cell & Regenerative Medicine”		
4	05.06 2009	CME on “Spectrum of Lymph Node Lesions”-		

5	28.08.2009	CME on “Modern Transfusion Practices”		
6	30.07.2010	CME on “Liver Pathology & Role of PCR in Sarcomas”		
7	09, 10, 11.Sep, 2011	KCIAPM CME on Urogenital Pathology and State level Conference – KCIAPM-2011		
8	05.04.2013	CME on Update on Diagnostic Cytology	Dr.Usha Kini, Professor of Pathology at St.John’s Medical College, Bengaluru, Rajyostava awardee.	
9	01.03.2014	PG - Quiz State level		
10	28.06.2014	CME on GIT Pathology		
11	20.07.2015	CME on Soft tissue and bone pathology		

31. Code of ethics for research followed by the departments

ICMR code of ethics is followed.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBBS					

Name of the Program (refer to question no. 4)	Applications received	Selected Male	Selected Female	Pass percentage Male	Pass percentage Female
2007-08		72	78	95	90
2008-09		69	81	96	94
2009-10		83	67	100	90
2010-11		77	73	98	92
2011-12		86	64	94	100
2012-13		70	71	92	90
2013-14		63	87	95	100
2014-15		66	84	75	75
MD.Pathology					
2007-08		1	1	100%	100%
2008-09			2		100%
2009-10		2		100%	
2010-11			4		100%
2011-12		2	2	100%	100%
2012-13		1	3	100%	66%
2013-14		1	3		
2014-15		2	2		
Ph.D		1		pursuing	

33. Diversity of students

Undergraduate Course

Name of the programme - MBBS	% of students from the same university	% of students from other universities within the state	% of students from other universities outside the state	% of students from different countries
2007-2008		33.3%	66.7%	-
2008-2009		16.7	80.7	2.7
2009-2010		32	54	14

2010-2011		40.7	48.7	10.6
2011-2012		43.3	42	14.7
2012-2013		33.3	52.5	14.2
2013-2014		26.7	62.7	10.7
2014-2015		26	72.7	1.3

Postgraduate course

YEAR	% of students form the same university	% of students from other universities within the state	% of students from universities outside the sate	% of students from other countries
2007-08		100		
2008-09	50	50		
2009-10	50	50		
2010-11	50	50		
2011-12	50	50		
2012-13	25	50		25
2013-14	50	25	25	
2014-15		100		

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

35. Student progression

Student progression	Percentage against enrolled
UG to PG	27% (PGs in pathology from 2007)
PG to M.Phil, DM / MCh / DNB	Nil
PG to Ph.D	Nil
Ph.D to Post-doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Not applicable 100% are Employed
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates		
	UG	PG
Of the same university	0	0
From other universities within the state	75% (9/12)	92% (11/12)
From universities from other states	25% (3/12)	8% (1/12)
From universities outside the country	0	0

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

- ➔ Department has updated library with good collection of reference books in addition to routine books.
- ➔ A total of 160 books are available in the departmental library
- ➔ Donated books: 20, Complimentary copies: 20.
- ➔ eJournals 35 [free on line pathology journals]

b) Internet facilities for staff and students

- ➔ Internet facilities are available for students in the central library.
- ➔ Staff can access internet both in the library and in the various sections of the department.
- ➔ Wi-Fi for staff in the department.
- ➔ LAPTOPS 18
- ➔ Desk tops 8
- ➔ Scanner/Xerox-1

c) Total number of class rooms

	Number	Status
Lecture gallery cum 'Smart' class	2	Shared among various Departments
Demonstration rooms	3	Shared

d) Class rooms with ICT facility and 'smart' class rooms

- ➔ TV Projection system for UG and PG teaching during practical sessions
- ➔ Lecture Gallery with e-podium

e) Students' laboratories

	Number	Status
UG laboratory	1	Shared
PG laboratory	1	For the department only

f) Research laboratories

	Number	Status
Immunohistochemistry laboratory (IHC Lab)	1	For the department only

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : 1, Post Graduate
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

All (100%) the post graduate students are getting the stipend from the university.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes. In conjunction with Allied Health Sciences, four new courses were developed namely, 1) Certificate course in Cytotechnology 2) Certificate course in Immunohistochemistry 3) Certificate course in phlebotomy and 4) Certificate course in Blood Bank Technology. Before starting of new courses, the idea will be discussed in the department and feedback will be obtained from the acquaintances. The proposal will be put forward in the Board of studies. If accepted, it will go to Academic council for further discussion. If Academic council finds it feasible, it will be sent to Board of management for final approval.

42. Does the department obtain feedback from
g. Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?

Department has curriculum development committee which regularly meets and discusses the curricular issues. In every monthly department meeting UG and PG curricular aspects are discussed. Agreed upon modifications will be put forward to the Board of studies for implementation.

h. Students on staff, curriculum and teaching-learning-evaluation
and how does the department utilize the feedback?

Department regularly receives the feedback from UG students at the end of chapter completion, and after the pathology course completion. The students fill the questioners and the results are analyzed. The analysis will be discussed in the department meetings. Some of the possible changes are implemented.

And the following are practiced regularly:

- ➔ Small group discussions during practical hours
- ➔ Case based presentations in the regular theory classes
- ➔ Special classes for repeaters
- ➔ Reduced number of chapters taught simultaneously from 4 to 2

Extra classes for those who want to go little beyond the expected learning.

i. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedbacks are regularly obtained from the Post graduate alumni of the department and the suggestions will be discussed in the monthly department meetings. Suggestions which are found to be helpful in improving the PG teaching and learning will be implemented.

43. List the distinguished alumni of the department (maximum 10)

1	Dr. Mandeep Singh	Associate Professor of Pathology, CMC, Vellore, TN	PG from our college
2	Dr. Thomas Alex Kodiatte	Assistant Professor of Pathology, CMC, Vellore. TN.	PG from our college

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ 8 CMEs were conducted since 2007 involving external experts
- ➔ Two state conference – KCIAPM
- ➔ One state level quiz for Pathology PGs
- ➔ CPC- Clinico Pathological Conference are regularly conducted by our department in association with other departments. Case discussions and approach towards the diagnosis will be explained in detail. A total of 45 CPC were conducted since 2009.
- ➔ Coaching for quiz competitions for both UGs and PGs.
- ➔ CMEs and conferences for UG and PG are conducted.
- ➔ Workshop for UGs- DEMEDCON 2014 regarding immunohistochemistry.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

For UGs	For PGs
<ul style="list-style-type: none"> • Lectures • Practicals • Demonstrations • Problem based learning • Seminars • Quiz 	<ul style="list-style-type: none"> • Journal club • Subject seminar • Slide seminar (Biopsy Review) • Grossing discussion • Short topic discussions • Interesting case discussions • Evidence based medicine (eJournal) • Quiz

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- ➔ UGs - practical internal assessments and theory internal assessments as per the curriculum. Quiz.
- ➔ PGs - Practical and Theory internal assessments as per the curriculum, Log book evaluation, Periodic Evaluation of Dissertation.

47. Highlight the participation of students and faculty in extension activities.

- ➔ NSS Volunteers
- ➔ Swach Bharath Abhyaan conducted regularly 2hours /week
- ➔ Sports and Cultural festivals
- ➔ Exhibitions
- ➔ Blood donation camps
- ➔ Cancer detection camps
- ➔ Mega health checkup camps and General health camps

48. Give details of “beyond syllabus scholarly activities” of the department.

- ➔ DEMEDCON- inter and intra college conference for UGs. Expert speakers, workshops and paper presentations.
- ➔ Outside conference- both for UGs and PGs attended
- ➔ Quiz for UGs and PGs
- ➔ Slide seminars for PGs
- ➔ Conducted Science exhibition 2015 for the Public

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes. NAAC, ISO 1900:2009

- ➔ External Quality Control for histopathology- EQAS, conducted by AIIMS 3 times every year.
- ➔ External Quality Control for hematology- EQAS, conducted by AIIMS every four months once.
- ➔ Blood bank- ISBTI external quality assurance programme - Twice a year
- ➔ CMEs are accredited by KMC (Karnataka Medical Council)

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Haematology and Clinical Pathology

- ➔ First line of coagulation markers (PT, APTT, fibrinogen and thrombin time) should be done as the initial investigations for any suspected coagulation abnormality in snake bite patients. If there is any abnormality in the first line parameters, then second line of specific markers can be carried out to pinpoint the level of defect.
- ➔ Mean platelet volume, PDW and PCT are affected by the physiological status of the newborn. MPV, PDW will be significantly increased in Small for Gestational Age, premature and Birth Asphyxia newborns, which may be due to platelet activation. Platelet indices may provide to be a useful marker of thromboembolic status in newborns.
- ➔ Individuals of blood group A and B are more susceptible to malaria infection as compared with individuals of blood group O, however the severity of infection differs due to differential host susceptibility.
- ➔ EDTA diluted sample for determination of ESR is acceptable, accuracy, imprecision and good correlation with citrate diluted blood. The use of samples with EDTA as anticoagulant instead of sodium citrate for measuring ESR allows us to do multiple haematological analysis using same anticoagulant, thus avoiding biological hazard, reducing cost of the test and reducing blood sample volume taken from the patient.
- ➔ Significantly raised MPV and PDW are seen among patients admitted with Myocardial infarction. MPV and PDW are inexpensive and useful markers that can be used in predicting the cardiac events

Cytology

- ➔ In Papillary Carcinoma of Thyroid papillary formation, Intra nuclear cytoplasmic inclusions, nuclear grooves and multinucleated giant cells are important features in diagnosis. Cellular swirls are novel findings when present in cytology smear they are highly specific of Papillary Carcinoma of Thyroid
- ➔ An increase in micronuclei values was seen from fibroadenoma to infiltrating ductal carcinoma. Micronuclei scoring can be used as a biomarker on fine needle aspiration cytology smears of breast carcinoma
- ➔ FNAC is a safe and cost-effective procedure with good patient acceptance, no essential morbidity and can be used as an initial screening tool in superficial and deep seated lesions in Paediatric age group. Although, the number of cases with histopathological correlation was less, the role of FNAC as an initial investigative procedure is undisputed, because of its high diagnostic accuracy
- ➔ FNAC is a useful tool in diagnosing tubercular lymphadenitis. Most of the AFB positive cases belonged to Pattern C with necrosis and neutrophil infiltration. Pattern D with abundant macrophages and high bacillary load was seen in immunodeficient patients.
- ➔ Early detection of oral cancer is possible even at precancerous stage by using noninvasive, painless outpatient procedure of combined in vivo supravital toluidine blue staining and brush biopsy. This technique increases the sensitivity and specificity in detecting premalignant lesions

Histopathology & Immunohistochemistry

- ➔ Cervical carcinoma in rural Indian population occurs at an early age (25 -30 years) due to socioeconomic conditions such as early marriage and poor living condition. Hence a need of early cancer screening programmes in this population

- ➔ Nuclear morphometry is a useful objective tool in the differentiating benign and the malignant breast lesions. It can be of immense help when diagnostic dilemmas are encountered especially in gray zones. It can be combined with other ancillary methods such as mammography, DNA cytometry chromatin texture analysis, flow cytometry, and cDNA array analysis for selecting the patients for adjunct therapy
- ➔ Significant association of cervical Lymph Node metastasis exists with high grade of differentiation, lack of E-cadherin expression, high Ki-67 and Cyclin D1 expression. An assessment of these factors in primary tumour may help us to predict Lymph Node metastasis, thereby minimizing the number of neck dissection
- ➔ Estrogen Receptor and Progesteron Receptor positivity were associated with lymph node negative status and correlated with low NPI status. Most of the breast carcinoma patients were blood Groups B and O, was associated with Grades II and III. Majority of Rh negative patients were ER and PR positive.
- ➔ Increased vimentin expression is seen in breast carcinomas occurring in females in golden years of age (<50 years). Vimentin-positive cells are associated with high grade tumours, and increased tumour proliferation
- ➔ Imprint cytology is not effective in identifying metastasis. Histopathology with serial step sectioning & Immunohistochemistry are required to identify micro metastasis & isolated tumour cells in SLN negative patients with oral squamous cell carcinomas.
- ➔ Indians exhibit increased incidence of Atherosclerosis at an younger age (<34yrs) when compared to western population.
- ➔ pRb expresion in increased frequency in cervical premalignant and malignant lesions with increasing dysplasia and grade of malignancy.

- ➔ Increased Vascular Endothelial Growth Factor is expressed in endothelial cells in psoriatic lesions

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- i. The department has well trained workforce with a good level of experience.
- ii. Many staff has multiple skills and we will develop this further. Published 195 scientific articles in indexed journals.
- iii. Actively involved in conduct of research.
- iv. Good Head & Neck surgery unit in the hospital facilitates to do research in head & neck oncology.
- v. Access to latest genomics laboratory.

Weakness:

- i. Lack of full time research assistants.
- ii. Lack of super speciality training in pathology like Renal, Soft tissue and lymphnode pathology.

Opportunity:

- i. Conducting collaborative research in the field of cervical cancer and head neck cancer with higher centers like Jawaharlal Nehru Center for Advanced research, Bengaluru.
- ii. Conducting research in medical education.
- iii. Development of molecular pathology laboratory.
- iv. Automation in hematology and histopathology. Use of IT to deliver the reports and retrieve patient information. Immunohistochemistry should be further strengthened.

Challenges:

- i. Attrition of teaching and non-teaching staff.

- ii. Starting of Super speciality courses in clinical side in Nephrology and oncosurgery will benefit pathology in research.

52. Future plans of the department.

- i. To become one of the premier center for oncopathology by strengthening IHC laboratory, by establishing PCR lab for tumor studies.
- ii. Sub specialization in pathology by consultants will help support productivity and efficiency gains within Oncology services by enhancing the professional input into case management.

Evaluative report of the Department of Pharmacology

1. **Name of the Department** : Pharmacology
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**

Department is a part of the faculty of University
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

A) Under Graduate program
iii) MBBS

B) PG Program
ii) MD Pharmacology
5. **Interdisciplinary programs and departments involved**

➔ B.Sc. OT Technology
➔ B.Sc. Ophthalmic Technology
➔ B.Sc. Renal Dialysis Technology
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

➔ Adverse Drug Reaction Monitoring Center (AMC) of Pharmacovigilance Programme of India (PvPI) under Indian Pharmacopoeia Commission, Ghaziabad

➔ Collaboration with Indian Pharmacopoeia Commission to start Pharmacovigilance

➔ Programme of India is in process

➔ B.Sc Nursing in collaboration with RGUHS
7. **Details of programs discontinued, if any, with reasons:** Nil.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :

Semester: Allied Health Sciences: BSc OT Technology,
 BSc Ophthalmic Technology
 BSc Renal Dialysis Technology
 MD Pharmacology: End of the course

9. Participation of the department in the courses offered by other departments

Department	Course	Activity
OBG	MD	Co guide for dissertation
Medicine/ Physiology/OBG	MD	Inter departmental teaching program
Medicine/OBG	MD	Clinicopathological conference (CPC)
Physiology	MBBS	Integrated teaching

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned* as per MCI	Available	Actual (including CAS & MPS)
Professor	1	1	
Associate Professor / Reader	2	2	
Assistant Professor	2	3	
Lecturer	-	-	
Tutor / Clinical Instructor	3	5	
Total	8	11	

*Sanctioned posts of the university are 20% more than MCI requirement, irrespective

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. years of Exp. as PG guide
Dr. Sarala N	MBBS., MD FAIMER Fellow	Professor & HOD Director UDOM E	Pharmacology	16 years 2 months	11 years 2 months
Dr. Bhuvana K	MBBS., MD	Associate Professor	Pharmacology	7 years 1 months	2 years 1 months
Dr. Asha B	MBBS., MD	Associate Professor	Pharmacology	6 years 1 months	1 year 1 months
Dr. Smitha Rai	MBBS., MD	Assistant Professor	Pharmacology	4 years 1 months	-
Dr. Meenakshi Lella	MBBS., MD	Assistant Professor	Pharmacology	3 years 07 months	-
Dr. Jayakumar JK	MBBS., MD	Assistant Professor	Pharmacology	2 years 08 months	-
Dr. Ganashree P	MBBS.	PG Tutor	Pharmacology	2 years 2 months	-
Dr. Ashwitha	MBBS.	PG Tutor	Pharmacology	2 year 2 months	-

Shruti Dass					
Dr. Sahana HV	MBBS.	PG Tutor	/ Pharmacology	1 year 3 month	-
Dr. Mohammed Yaseen	MBBS.	PG Tutor	/ Pharmacology	1 year 2 months	-
Dr. Sowmya C	MBBS.	PG Tutor	/ Pharmacology	1 year 2 months	-
Dr. Muninara yana S	BVSc	Veterinarian	Veterinary Science	3 months	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Department has all permanent faculty and no temporary faculty, hence not applicable

14. Program-wise Student Teacher Ratio

SL No.	Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1	MBBS	III	101	6	1:17
2	MBBS	IV	43	6	1:7
3	MBBS	V	96	6	1:16
4	MD Pharmacology		3per yr	3	1:1
5	BSc Nursing	II	40	2	1:20
6	Allied Health Sciences	III/IV	20	3	1:6

15. Number of academic support staff (technical) and administrative

staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Administrative	01	01	01
Supporting staff	04	04	04

16. Research thrust areas as recognized by major funding agencies

- ➔ Pharmacogenetics
- ➔ Pharmacovigilance
- ➔ Drug poisoning
- ➔ Self medication patterns
- ➔ Pharmacoeconomics
- ➔ Drug utilization studies

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. NIL

Sr. No.	Title of Research Projects	Names of Investigators/Co-Investigators	Funding Agency	Grant Sectioned	Grant Received

18. Inter-institutional collaborative projects and associated grants received**h) National collaboration**

SPECTRUM - Situational analysis of the practice patterns in cardiovascular disease management in all Regions of India using mixed research methods in collaboration with St. John's National Academy of Health Sciences. Division of Clinical Trials. St John's Research Institute.

Grants : Rs 13,000/-

i) International collaboration

INSPIRE (INDIAN STROKE REGISTRY) - A large multicenter prospective study to determine etiologies, clinical practice patterns and outcomes of strokes in India. With Division of Clinical Research, St John's Research Institute, St John's Medical College, Bangalore. (NIH SPONSORED)

Grants : Rs 2,50,000/-

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- state recognition : Nil
- national recognition

Peripheral Pharmacovigilance Center 2005-2009

Adverse Drug Reaction Monitoring Center (AMC) of Pharmacovigilance Programme of India (Pv-PI) under Indian Pharmacopoeia Commission, Ghaziabad

- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

➔ Genomic Central Research Laboratory- SDUAHER

➔ Skills Laboratory – SDUAHER

22. Publications:

- * Number of papers published in peer reviewed journals
- * National : 40
- * International : 11
- * Monographs :

- * Chapters in Books : 1
- * Books edited :
- * Books with ISBN with details of publishers :
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : 23
- * Citation Index – range / average : 42
- * SNIP : (Average) 0.495
- * SJR : (Average) 0.251
- * Impact Factor – range / average : 0.14-3.2
- * h-index : 1.6 (Average-2.2)

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Dr. Sarala N :

- ➔ Medical Education Technology Workshop: Mysore Medical College, Mysore
- ➔ Post graduate orientation course: Adichunchanagiri Institute of Medical Sciences, Bellur
- ➔ CME on “Drug People and Doctor” Essential drugs: Mysore Medical College and Research Center, Mysore.
- ➔ Board of Studies Member- Swami Vivekananda Yoga Anusandhana Samasthana (S-VYASA) Deemed University, Bangalore

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
- d) any other (specify)

- ➔ Dr. Sarala N – Indian Journal of Pharmacology, Journal of Pharmaceutical Research, National Journal of Physiology, Pharmacy and Pharmacology.
- ➔ Dr. Bhuvana K – Sky Journal of Biochemistry Research
- ➔ Dr. Asha B – World Journal of Medicine and Medical Science Research
- ➔ Dr. Meenakshi Lella – Diabetology and Metabolic syndrome

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Basic Medical Education Technology
- ➔ Basic and Advanced Health Research Methodology Course, sponsored by NIH, USA
- ➔ FAIMER fellowship
- ➔ Research Methodology
- ➔ Attending workshops and conference
- ➔ Presented Papers – 51 in National/International conferences

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects

Sl no	Number of students	Percentage of students
UG 2009	4/101	3.4%
2010	2/102	1.9%
2011	2/132	1.5%
2012	4/115	3.5%
PG	18	100%

- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty
Dr Sarala N- FAIMER fellowship -Best teacher 2014 -SDUAHER
- Doctoral / post doctoral fellows : Nil
- Students
Post Graduates - 03 (Best poster-2, Best paper-1)
Under Graduates - 01 (Best paper-1)

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No	Date	Name of the conference/ workshop	Source of Funding	Outstanding Participants	Total No. Of Delegates
1	24-03-2009	Good clinical practice and Clinical trials	SDUAHER	13	91
2	28-10-2010	Clinical pharmacy and Antibiotic policy	SDUAHER	08	71
3	08-02-2011	CME on Drug discovery and development	SDUAHER	NIL	86
4	08-11-2012	Rational drug use and Evidence based medicine	SDUAHER	10	71
5	08-08-2013	Protocol design and ethical issues in clinical research	SDUAHER	37	60
6	14-08-2013	Guest lecture and demonstration on "Substitution to Animal experiments"	SDUAHER	NIL	26
7	07-08-2014	Scientific	Medical	14	57

		Writing	Education and Research Trust(MERT) and SDUAHER		
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31. Code of ethics for research followed by the departments

DCGI/ICMR/Schedule Y

32. Student profile program-wise:

Name of the Program (refer to question no.4) MBBS	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007		53	48	94%	98%
2008		49	52	87.2%	96.1%
2009		39	62	94.8%	93.5%
2010		43	59	97.6%	100%
2011		51	81	100%	95%
2012		59	56	95%	100%

Name of the Program (refer to question no.4) MD	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2008		-	2	-	100%
2009		1	1	100%	100%
2010		2	1	100%	100%
2011		1	2	100%	100%
2012		2	1	100%	100%

33. Diversity of students

Name of Program (refer to question no.4)	% of students from other Universities within state	% of students from Universities outside the state	% of students from Universities outside the country
MBBS			

2007-08	50 (33.3)	100 (66.7)	-
2008-09	25 (16.6)	121 (80.7)	04 (2.7)
2009-10	48 (32)	81 (54)	21 (14)
2010-11	61 (40.7)	73 (48.6)	16 (10.7)
2011-12	65 (43.4)	63 (42)	22 (14.6)
2012-13	47 (33.4)	74 (52.4)	20 (14.2)
2013-14	40 (26.8)	94 (62.6)	16 (10.6)
2014-15	39 (26)	109 (72.6)	02 (1.4)
MD	-	18(100)	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	07/19 (36.8%)
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D	-
Ph.D to Post-Doctoral	-
Employed	100%
Campus selection	2 (33%)
Other than campus recruitment	16 (67%)
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	UG	PG
Of the same university	-	-
From other universities within the state	83.3%	66.6%
From universities from other states	16.7%	33.4%
From universities outside the country	-	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

g) Library

1(Books-159, Donated books-59, Complimentary books-71, Five different Journals -181)

h) Internet facilities for staff and students

Desktop and all the faculty have laptops with internet facility

i) Total number of class rooms :2

j) Class rooms with ICT facility and ‘smart’ class rooms

Equipped with LCD projector.

k) Students’ laboratories : 2

l) Research laboratories

1 PG research laboratory

m) E Journals – 42 open access

n) Museum – charts, drug samples, drug delivery devices, models-drug mechanism

o) Posters – self medication, drug abuse

p) Central Animal House Maintained

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : NIL

b) from other institutions/universities : NIL

40. Number of post graduate students getting financial assistance from the university.

All post graduate students receive stipend.

41. Was any need assessment exercise undertaken before the

development of new program(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

- j. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes Departmental curriculum committee meeting is held once in 3 months. The curriculum will be modified based on their suggestions

- k. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Accordingly teaching learning methods are modified based on their feedback.

- l. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes. Feedback so obtained is conveyed to faculty to improve their performance

43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name	Academic –A Pharmaceutical Industry -I	Institution attached
1.	Dr. Heethal Jaiprakash	A- Assoc Prof	Faculty of Medicine Pharmacology Unit MAHSA University College Kuala Lumpur, Malaysia
2.	Dr. Girish MB	A-Asst Prof	ESIC Medical College & PGIMSR, Bangalore
3.	Dr. Deepak	A- Assoc Prof	Hassan Institute of Medical Sciences and Research, Hassan
4.	Dr. Praveen Raj	I-Senior Medical advisor	Biocon Cardiology, Bengaluru

		and Head	
5.	Dr. Jayakumar G	I- Senior Manager Medical affairs	Astra Zeneca. Bengaluru
6.	Dr. Balamurali K	I-Associate drug safety advisor	Novonordisk, Bengaluru

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ National Research Seminar
- ➔ Workshop
- ➔ Undergraduate and Post graduate orientation course
- ➔ Guest lectures

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Undergraduates	Post graduates
<ul style="list-style-type: none"> • Interactive Lectures • Tutorials • Small group discussion • Demonstrations • Seminars • Case based learning • Practicals • OSPE 	<ul style="list-style-type: none"> • Seminars • Journal article presentation-digital library • Protocol writing • Practicals • Critical appraisal of scientific article • Interactive Lectures • One to one discussion • Microteaching • Demonstrations

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- ➔ Under graduate: Formative assessment (Three theory/ practicals) and results are analyzed and feedback is given by the concerned mentor. At the end of phase II examinations, the feedback is obtained regarding completion of syllabus and benefit of Internal assessment Examination.
- ➔ Post graduate: Checklist for assessment of seminar and journal club
- ➔ Log book evaluation
- ➔ Completion certificate of external postings

- ➔ Experimental and clinical Pharmacology records
- ➔ Microteaching
 - ➔ Formative assessment (Internal assessment Examination theory/ practicals at the end of each year) and results are analyzed

47. Highlight the participation of students and faculty in extension activities.

Orientation programmes, DeMedCon UG conference, Workshops, Swatch Bharath Abhiyan, NSS, YRC, blood donation camps, polio vaccination, world TB day, world AIDs day, International women's day, Mother's day

48. Give details of “beyond syllabus scholarly activities” of the department.

- ➔ UGs are encouraged to carry out projects, participate in Quiz & paper presentations at the conference
- ➔ DeMedCon – UG conference organization and participation
- ➔ National science day- Science exhibition
- ➔ Pharmacovigilance- ADR monitoring and reporting

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- ➔ NAAC 2006
- ➔ ISO 9001:2000
- ➔ CMEs and workshop accredited by KMC

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ The most commonly consumed poisons were analyzed in and around kolar which revealed that commonly used substances were organophosphorus compounds, aluminum and zinc phosphide,

followed by phenobarbitone and paracetamol. Most of them required counseling.

- ➔ Results of Post marketing surveillance of the newly introduced drugs like Nebivolol, Alfuzosin, Valacyclovir, Solifenacin, Iron Polymaltose, Calcipotriol, Luliconazole, Azelastine, Fluticasone, Olmesartan in different clinical conditions have found to be either equally or more effective and safe compared existing drugs.
- ➔ Tacrolimus for vitiligo, duloxetine for stress incontinence in women, 1gm paracetamol for post operative pain, metformin for olanzapine induced weight gain were studied and were found to effective and safe.
- ➔ New Teaching learning method: Students perceived that Cased Based Learning improved the ability to integrate the knowledge of drugs with patients care.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- i) Adverse drug reaction Monitoring Center (AMC) of pharmacovigilance Programme of India (PvPI), Indian Pharmacopeia Commission, Ghaziabad
- ii) Efficient and dedicated faculty as per regulatory body
- iii) Research collaboration with NIH, USA and St. John's Research Institute.
- iv) All faculty trained in MET and 83% trained in Research Methodology
- v) Conducting CME/ workshops annually from past six years
- vi) One faculty is a FAIMER Fellow

Weakness:

- i) Lack of clinical trials in collaboration with pharmaceutical companies

- ii) Experimental studies in animals are less
- iii) Hands on training for Staff and PG in the use of statistical software

Opportunity:

- i) Genome lab to carryout in pharmacogenetic studies.
- ii) Placement in Pharmaceutical industry
- iii) Pharmacovigilance physician in Clinical Research Organizations
- iv) In house grants for Research

Challenges:

- i) Grants from external funding agencies (DBT/DST/ICMR)
- ii) Applied to Indian Pharmacopeia Commission, Ghaziabad to start Pharmacovigilance program of India (PvPI) and function as Adverse drug reaction Monitoring Centre (AMC)
- iii) Percentage of UG research projects to be increased

52. Future plans of the department.

- i) To organize State/ National level conference
- ii) To increase the number of collaborative projects with other institutes
- iii) To establish Computer assisted Learning (CAL) Laboratory
- iv) Carry out research activity in the field of pharmacogenomics by faculty

Evaluative report of the Department of Microbiology

1. **Name of the Department** : Department of Microbiology
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Faculty of the University
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
iv) MBBS
B) PG Program
iii) MD Microbiology
C) Ph.D.
i) Microbiology
5. **Interdisciplinary programs and departments involved**
Nursing:
➔ B.Sc. Nursing (Basic)
➔ B.Sc. Nursing (Post Certificate)
Allied Health Sciences:
➔ B.Sc. Medical Laboratory Technology
➔ B.Sc. Operation theatre technology
➔ B.Sc. Ophthalmic technology
➔ B.Sc. Imaging technology
➔ B.Sc. Renal Dialysis
➔ M.Sc. Molecular biology and human genetics
➔ M.Sc. Medical Laboratory Technology
➔ M.Sc. Clinical Microbiology and Immunology

Department of Public Health:

→ MPH – Master of public health

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

In collaboration with Rajiv Gandhi University of Health Sciences (RGUHS), Bangalore -

→ B.Sc. Nursing (Basic)

→ B.Sc. Nursing (Post Certificate (PC))

7. **Details of programs discontinued, if any, with reasons :** Nil.

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**

→ MBBS : Annual

→ PG : At the end of the three years

→ Allied Health Sciences : Semester

→ Ph.D. : As per UGC guideline

9. **Participation of the department in the courses offered by other departments**

Department	Course	Activities
Pathology	MD	• Training of post graduates in sample collection, transportation of samples, staining, immunofluorescence, PCR, culture and serological techniques for microbiological investigations
Pharmacology	MD	• Training of post graduates in antibiotic sensitivity testing, bacterial drug resistance, life cycles of parasites, serology and staining techniques in microbiology.
Paediatrics	MD, DCH	• Training of post graduates in sample collection, transportation of samples, microscopy, staining, immunofluorescence, culture, identification of pathogens, antibiotic sensitivity testing and serological techniques for microbiological

		investigations
Community Medicine	MD	<ul style="list-style-type: none"> • Training of post graduates in sample collection, transportation of samples, microscopy, staining, immunofluorescence, culture, identification of pathogens, antibiotic sensitivity testing and serological techniques for microbiological investigations
Dermatology and Venereal diseases	MD, DVD	<ul style="list-style-type: none"> • Training of post graduates in sample collection, transportation of samples, microscopy, staining, immunofluorescence, culture, antibiotic sensitivity testing, identification of medically important fungi and serological techniques for microbiological investigations • Faculty acted as co-guides for PG dissertations
Medicine	MD	<ul style="list-style-type: none"> • Faculty acted as co-guides for PG dissertations
Surgery	MS	<ul style="list-style-type: none"> • Faculty acted as co-guides for PG dissertations
Obstetrics and Gynaecology	MS	<ul style="list-style-type: none"> • Faculty acted as co-guides for PG dissertations
Clinico-pathological meetings (CPC)		<ul style="list-style-type: none"> • Discussion of infectious aetiology
Interdepartmental PG symposium		<ul style="list-style-type: none"> • Presentation on microbiological aspects

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

Faculty	Sanctioned	Filled	Actual (including CAS and MPS)
Professor	1	2	2
Associate professor/Reader	2	1	1
Assistant professor/Lecturer	2	4	5
Tutor	4	2	2
Senior Resident	-	1	-
Total	9	10	10
*Posts sanctioned by the university are 20% more than MCI requirement, irrespective of the cadres	2	?	?

Total	11	10	10
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11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	Experience as PG Guide
Dr. PM Beena	MBBS, MD	Professor and HOD	Microbiology	31 years 6 months	21 years
Dr. SR Prasad	MBBS, MD	Professor and Director of PG studies	Microbiology	37 years 10 months	28 years
Dr. Arvind N	MBBS, MD	Associate Professor	Microbiology	8 years 2 months	-
Dr. Parimala S	MBBS, MD	Assistant Professor	Microbiology	3 years 10 months	-
Dr. Mamata K	MBBS, MD	Assistant Professor	Microbiology	2 years 5 months	-
Dr. Savitha N	MBBS, MD	Assistant Professor	Microbiology	2 years 2 months	-
Dr. Anushka D	MBBS, MD	Lecturer	Microbiology	1 year 7 months	-
Dr. Anitha D	MBBS, MD	Senior Resident	Microbiology	8 months	-
Dr. Sagar Mali	MBBS	PG cum Tutor	Microbiology	1 year	-
Dr. Aysha Yasmeen	MBBS	PG cum Tutor	Microbiology	1 year	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

SL. No.	Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1	MBBS	3 rd term	101	10	10:1
2		4 th term	43	10	4:1
3		5 th term	96	10	10:1
4	MD - Microbiology	2014 batch	2	2	1:1
5	Ph.D – Microbiology	2013 batch	1	1	1:1
6		2014 batch	1	1	1:1
7	B.Sc. Nursing	2015 batch	60	2	30:1
8	B.Sc. (Allied health sciences)	2015 batch	60	3	20:1
9	M.Sc. Molecular biology & Human genetics	2015 batch	5	1	5:1
10	M.Sc. MLT	2015 batch	1	1	1:1
11	Master of Public Health	2014 batch	4	1	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
5)	Research assistant[technical]	7	13	13
6)	Computer operator & Clerk*	01	01	01
7)	Lab Attendants	02	02	02
8)	Sweepers	02	02	02

16. Research thrust areas as recognized by major funding agencies

- i) Dengue and Arboviral infections
- ii) Tuberculosis
- iii) Viral, bacterial, parasitic and Rickettsial fevers
- iv) Leptospira infections
- v) Multidrug resistant infections
- vi) Healthcare Associated Infections

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Project Title	Names of Faculty	Funding Agency	Grant Received *
Serotypes of Dengue virus in patients hospitalized for dengue fever at RL Jalappa Hospital, Kolar	Dr. Mamata Kale Dr. SR Prasad	SDUAHER, Kolar	Rs. 96,000/-
Clinical and microbiological profile of acute febrile illness among patients attending a teaching hospital, Kolar	Dr. Arvind N	SDUAHER, Kolar	Rs. 2,56,000/-

18. Inter-institutional collaborative projects and associated grants

received

j) National collaboration : Nil

k) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Central Clinical Laboratory–Microbiology section has automated instruments sponsored by Johnson & Johnson and Becton & Dickinson.

22. Publications:

- * Number of papers published in peer reviewed journals :
- * National : 42
- * International : 7
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Citation Index – range / average : 1-18/2.71
- * SNIP : 0.073-2.269/0.8415
- * SJR : 0.131-2.943/0.558
- * Impact Factor – range / average : 0.882-6.751/2.067

* h-index : 4-165/31.06

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated**

Investigations rendered to other institutions:

- ➔ OT sterility testing for RL Jalappa Narayana Hrudayala Heart Centre, Kolar and other hospitals in and around Kolar.

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

- ➔ Dr. Parimala S, Asst. Professor visited National Institute for Research in Tuberculosis, Chetpet, Chennai
- ➔ Dr. Mamata K, Asst. Professor visited National Institute of Virology, Pune
- ➔ Dr. Savitha N, Asst. Professor visited Amrita Institute of Medical Science and Research Centre, Cochin.

26. **Faculty serving in**

- a) National committees : Nil
- b) International committees: Nil
- c) Editorial Boards: Nil
- d) any other (specify)
 - ➔ Reviewers for MD-dissertation and Ph.D thesis from other universities – Dr. SR Prasad and Dr. PM Beena
 - ➔ Reviewers for Journals
 - a. Dr. S.R. Prasad
 - BMC, Microbiology (International Journal)
 - Indian Journal of Medical Microbiology

b. Dr. P.M. Beena

- The Journal of Clinical and Scientific Research

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Participation in medical education workshops
- ➔ Participation in research methodology workshops
- ➔ Training in reference laboratories
- ➔ Attending CME programs, workshops and conferences conducted by the university and elsewhere and presenting papers in them.
- ➔ 75% of the faculty have been trained in basic medical education technology by University Department of Medical Education, SDUMC.
- ➔ 75% of the faculty have been trained in research methodology.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects
 - ➔ All MD students (100%) undertake dissertation work as a part of the course.
 - ➔ All Ph.D. students take up in-house projects
 - ➔ 9/450 (2%) undergraduate (MBBS) students have taken up in-house projects.
 - ➔ 2012 – 4
 - ➔ 2013 – 4 (Won best poster prize in DeMedCon – 14)
 - ➔ 2015 – 1
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil

- Students

3 MD students (Dr. Parimala S, Dr. Swetha and Dr. Anitha D) were awarded President's gold medals by SDUAHER for securing highest marks among the post graduate students of para-clinical subjects in the MD examination in 2012, 2014 and 2015 respectively.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Name of Conference/workshop (with date/month/year)	source of funding	Outstanding Participants	Total No. of Delegates
1.	CME on 'Leptospirosis and Typhoidal Salmonellae' on 8 th Apr 2008	SDUAHER	Dr. BN Harish Prof and Head of Microbiology, JIPMER, Pondicherry	53
2.	CME on Rickettsiosis – Indian Scenario on 20 th Feb 2009	SDUAHER	Lt. Gen. Dr. Raghunath	139
3.	State level conference - Pre-Conference CME and Conference of Indian Association of Medical Microbiologists – Karnataka Chapter on March 2010	SDUAHER	a. Dr. GLN Prasad Rao Lab Links Biotech Pvt Ltd, Bangalore b. Dr. RD Kulkarni, Prof and HOD of Microbiology, SDM Medical	110

			College, Dharwad	
4.	Workshop on Importance of Handwashing for nurses on 21 st March 2011	SDUAHE R Johnson and Johnson	-	21
5.	CME on Universal Precautions on 26 th March 2011	SDUAHE R	-	78
6.	Seminar on 'Miming of Pathogen proteomes for discovery of targets with vaccine and diagnostic potential' on 5 th July 2011	SDUAHE R	Dr. John Manohar	116
7.	Workshop for technicians from government PHC, GH and RLJH on hand hygiene, sample collection techniques, sample handling and biomedical waste management on 15 th March 2013	SDUAHE R	-	39
8.	Workshop for nursing staff on safety precautions, sample handling and biomedical waste management on 14 th March 2014	SDUAHE R	-	25
9.	Workshop for nursing staff on safety precautions, sample handling and biomedical waste management on 21 th March 2014	SDUAHE R	-	25
10.	Diagnostic skills workshop on Antimicrobial	SDUAHE R	-	30

	Susceptibility Testing for National Level UG conference - DeMedCon – 2014 ON 30 TH May 2014			
11.	Workshop class 4 workers (Attenders and sanitary workers) on universal precautions, blood spill management, biomedical waste management and hand hygiene on 18 th June 2014	SDUAHER	-	25
12.	Workshop class 4 workers (Attenders and sanitary workers) on universal precautions, blood spill management, biomedical waste management and hand hygiene 25 th June 2014	SDUAHER	-	25
13.	CME on Emerging Viral Infections on 19 th September 2014	SDUAHER	Dr. K Ravikumar, Chief Medical Officer, Ministry of Labour and Employment, Directorate General of Employment and Training, Foreman Training Institute, Bangalore	220

31. Code of ethics for research followed by the departments

ICMR guidelines for research on human subjects.

32. Student profile program-wise:

Name of the Program		Applications Received	Selected		Pass Percentage	
			Male	Female	Male	Female
MBBS	Jan-11	770	63	58	57.1 %	89.7 %
	Jul-11		54	19	50.0 %	63.2 %
	Jan-12	890	68	69	76.5 %	84.1 %
	Jul-12		41	29	41.5 %	55.2 %
	Jan-13	730	66	77	65.2 %	84.4 %
	Jul-13		49	23	32.7 %	69.6 %
	Jan-14	1116	90	85	75.6 %	87.1 %
	Jul-14		33	24	33.3 %	54.2 %
	Jan-15	1929	59	58	88.1 %	98.3 %
MD	2008-09	1012	-	1	-	100 %
	2009-10	1559	-	1	-	0 %
	2010-11	1050	-	3	-	100 %
	2011-12	929	-	3	-	100 %
	2012-13	1067	1	1	100 %	100 %
	2014-15	1130	1	1	Study period in progress	
Ph.D	2009		1	-	100% (2015)	-
	2013		1	-	Study period in progress	
	2014		1	-	Study period in progress	

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBBS	-	31.5 %	60 %	8.5 %
MD	-	100 %	-	-

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PhD	-	33.3 %	66.7 %	-

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil**

35. **Student progression**

Student progression	Percentage against enrolled
UG to PG	6
PG to M.Phil, DM / M.Ch / DNB	Nil
PG to Ph.D	Nil
Ph.D to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> Campus selection Other than campus recruitment 	Not applicable 100 %
Entrepreneurs	-

36. **Diversity of staff**

Percentage of faculty who are graduates		
	UG	PG
Of the same university	-	37.5 %
From other Universities within the State	87.5 %	50 %
From Universities from other States	12.5 %	12.5 %
From Universities outside the country	-	-

37. **Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**

38. **Present details of departmental infrastructural facilities with regard to**

q) Library

- ➔ Total Books: 261
- ➔ E-books: 28 books
- ➔ Journals (printed): 4 (IJMM, JCBS, JACM, EID)
- ➔ Journals (online): 150 free access journals, HELINET Consortium: 14 full text online journals

r) Internet facilities for staff and students

- ➔ Available WiFi& LAN
- ➔ 11 laptops
- ➔ desktops

s) Total number of class rooms : 3

t) Class rooms with ICT facility and 'smart' class rooms

2 LCD Projectors

u) Students' laboratories : 1

v) Research laboratories : 4

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

- ➔ Mr. Sridhar Rao (completed)
- ➔ Mr. Vijaykumar G
- ➔ Mr. Purnachandra Rao

b) from other institutions/universities

Nil

40. Number of post graduate students getting financial assistance from the university.

- ➔ All MD students receive stipend and
- ➔ All Ph.D students receive financial assistance from the university

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, Discussion with peers and in Board of Studies meetings. The need was assessed as per national importance.

42. Does the department obtain feedback from

m. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. The department has a curriculum committee which meets half yearly and discusses and analyses addition and deletion of topics which are further taken up at the Board of Studies meetings.

n. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. At the end of the course, feedback is taken from the students which are analyzed and presented in the departmental meeting. In light of the feedback, changes are made for future batches.

o. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes

43. List the distinguished alumni of the department (maximum 10)

Name	Designation	Organization/Institution
Dr. Vinutha	Consultant Microbiologist	NHS, England
Dr. Sajitha	Associate Professor	B.R. Ambedkar Medical College, Bangalore
Dr. Sanjeev. H	Associate Professor	K.S. Hegde Medical Academy, Mangalore
Dr. Dhanalaxmi	Associate Professor	Oxford Medical College, Bangalore
Dr. Archana	Assistant Professor	Sri Siddhartha Institute of Medical

		Sciences, Nelmangala
Dr. Trupthi	Assistant Professor	Oxford Medical College, Bangalore
Dr. Swetha	Consultant Microbiologist	Vikram Hospital, Bangalore

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Postgraduate	Undergraduate	
	High Achievers	Slow Learners
<ul style="list-style-type: none"> Research methodology program Training at NIMHANS – virology laboratory Attending conferences, CME programs, workshops 	<ul style="list-style-type: none"> Attending UG conferences and presenting papers Guidance for paper publication 	<ul style="list-style-type: none"> Student counselling by a qualified counsellor

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Postgraduate	Undergraduate
<ul style="list-style-type: none"> Microbiology report review, Journal Clubs, Subject seminars, Culture seminars, Case based discussion, (Interdepartmental) Critical evaluation of a scientific journal article 	<ul style="list-style-type: none"> Lectures, Objective Triggered Learning, Clinical Case discussion, Demonstrations, Group discussions, Student seminar, Practical classes

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Postgraduate	Undergraduate
<ul style="list-style-type: none"> • Log book evaluation • Assessment of seminar/journal club with the help of a checklist • Evaluation by yearly internal examination. • Observing and reporting on the post graduate student's non-academic attributes • Completion certificate from external postings 	<ul style="list-style-type: none"> • Part completion tests • Internal Assessments • Viva-Voce • Mentoring of students • Counselling for poor performers • Updating the student performance to the parents at the end of each semester

47. Highlight the participation of students and faculty in extension activities.

- ➔ Participating in Health camps,
- ➔ Offering science education at rural schools
- ➔ Explaining microbiology exhibits in the museum to school children and general public
- ➔ Investigations of outbreaks of infectious diseases in and around Kolar
- ➔ Active infection control program
- ➔ Participation in World TB day, world AIDS day, world Leprosy day
- ➔ Weekly – Swachh Bharat Abhiyan

48. Give details of “beyond syllabus scholarly activities” of the department.

- ➔ Participation in National Undergraduate Conference - DeMedCon
- ➔ Participation of students in small research projects, presentation in UG conferences and publications in scientific journals
- ➔ Preparation of charts and models by students

- ➔ Educating UG students, nurses, technicians and class IV workers about the importance of hand hygiene, proper biomedical waste management and infection control practices.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes

- a. Participation in Quarterly External Quality Assessment Scheme (EQAS) under Indian Association Medical Microbiologists (IAMM)
 1. EQAS Score for 2014: 92%
 2. We stand among the top 23 laboratories in India as far as external quality assessment scheme is concerned.
- b. NAAC accreditation
- c. ISO 9001:2000 accreditation
- d. CME programmes are accredited by Karnataka Medical Council (KMC), Bangalore.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ Rare fungal species such as *Fusarium semitectum*, *Fusarium dimerum* and *Colletotrichum gleosporoides* were identified as aetiological agents of infectious keratitis in Kolar region. This was confirmed by National Fungal Culture Collection of India (NFCCI) Biodiversity and Paleobiology Group, Agharkar Research Institute, Pune, Maharashtra.
- ➔ Six novel Beta Lactamase *bla* types (CTX-M-155, CTX-M-156, CTX-M-157, SHV-185, SHV-186 and TEM 219) were discovered which were confirmed by Jacoby GA, Infectious Disease Specialist, Lahey Clinic Medical Center, Burlington, Massachusetts USA.

- ➔ AmpC β lactamase producing *Salmonella typhi* was reported for the first time in 2010.
- ➔ 9.7% of high risk population such as veterinary workers, butchers and animal handlers in Kolar region were serologically found to be positive for Brucellosis.
- ➔ Water stored overnight in copper vessels was found to be bactericidal for *Salmonella typhi*, *Vibrio cholerae* and *Escherichia coli* and the amount of copper leached in water is within the safety limits prescribed by WHO. Therefore, it has the potential to be used as an inexpensive, reusable household water purification method.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ Good Infrastructure
- ➔ Intelligent, amiable, and motivated faculty
- ➔ Providing quality diagnostic services
- ➔ Well-planned teaching learning activities
- ➔ Encouraging management

Weakness:

- ➔ Attrition of technical staff
- ➔ Difficulty in procuring external funding for research activity
- ➔ Irregular admission of post graduate students
- ➔ Deficiency of faculty keeping in mind the numerous programs offered by the department

Opportunity:

- ➔ Institution is placed in a rural setting
- ➔ Faculty are able to take up community or hospital related projects
- ➔ Incentives for participation in conferences and publications
- ➔ Funding for hosting conferences/CMEs/workshops
- ➔ Funding for research by the academy

Challenges:

- ➔ To introduce audit of antibiotic usage by the clinicians and antibiotic stewardship
- ➔ To inspire and involve more number of students in student research projects
- ➔ To achieve 100% pass rate in undergraduate examinations
- ➔ To get externally funded projects sanctioned

52. Future plans of the department.

- ➔ To upgrade molecular diagnostic laboratory
- ➔ To develop reference laboratory for Rickettsial infections and Leptospira infections

Evaluative report of the Department of Forensic Medicine

1. **Name of the Department** : Forensic Medicine and Toxicology

2. **Year of establishment** : 1987

3. **Is the Department part of a college/Faculty of the university?**

The Department of Forensic Medicine and Toxicology is a part of the faculty of University.

4. **Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

The Department of Forensic Medicine and Toxicology offers the teaching programs for undergraduate (MBBS) and Post Graduate (MD) courses.

5. **Interdisciplinary programs and departments involved** : Nil

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

We are in the process of establishing MOU with Forensic Science Laboratory, Government of Karnataka, Madiwala, Bangalore.

7. **Details of programs discontinued, if any, with reasons** : Nil.

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**

- Annual for undergraduates.
- For postgraduates at the end of three years.

9. Participation of the department in the courses offered by other departments

Department	Course	Activity
Pathology	MD	Co-Guide for PG dissertation
Medicine	MD	Co-Guide for PG dissertation
Paediatrics	MD	Co-Guide for PG dissertation
Pathology	MD	One month postings for Post graduates

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	02	02
Associate Professor/Reader	01	00	00
Assistant Professor	01	02	02
Tutor /Clinical Instructor	03	02	02
Total	06	06	06

Note: Sanctioned posts of the University are 20% more than MCI requirement.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance
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Dr Umesh Babu R	MBBS, MD	Professor & HOD	Forensic Medicine and Toxicology	9Years- 04 Months	2years
Dr Kiran J	MBBS, MD	Professor	Forensic Medicine and Toxicology	22Years- 9 months	12 years
Dr Ajay Kumar T S	MBBS, MD	Assistant Professor	Forensic Medicine and Toxicology	4Years- 2 months	nil
Dr Mural Mohan M C	MBBS, MD	Assistant Professor	Forensic Medicine and Toxicology	2Year	nil
Dr Raj Kumar M G	MBBS	PG Cum Tutor	----	1 year , 4 months	nil
Dr Sindhur i K	MBBS	Tutor	----	1 year - 5 months	nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

There are no temporary faculties in the department of Forensic Medicine and Toxicology.

14. Program-wise Student Teacher Ratio

<i>Student Program</i>	<i>Student Teacher Ratio</i>
Undergraduate course	25:1
Post graduate course	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Sanctioned	Filled	Actual (including CAS & MPS)
Technical assistant/ technician	2	1	1
Laboratory attender	2	4	4
Steno/typist	1	-	-
Store keeper/Clerk/Computer operator	1	1	1
Sweeper	4	1	3

16. Research thrust areas as recognized by major funding agencies

Thrust areas.

- Analytical Toxicology
- Skeletal remains examination
- Post mortem changes in the dead body
- Substance abuse

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl. No.	Investigators Names (Principal Investigators Name First)	Project Title	Funded / Non- funded If funded, by which Agency
1	Dr.Kiran J Dr. Ajay Kumar T S, Dr.Murali Mohan.M.C.	Estimation of time since death from Cardiac blood pH	Funded by SDUAHER, Kolar.
2	Dr. Umesh Babu .R Dr.Kiran J. Dr. Ajay Kumar T S.	Sex determination from fragmentary remains of proximal and distal end of femur	Non-Funded
3	Dr. Umesh Babu R, Dr Suresh T.N. Dr. Gayathri B N.	Prevalence of occult thyroid pathology at autopsy	Non-Funded

4	Dr. Murali Mohan.M.C Dr Umesh Babu R Dr Mahesh V	Study on intermediary syndrome in organophosphorus and carbamate poisoning	Non-Funded
5	Dr. Ajay Kumar T S Dr. Deepa C.	Sexual dimorphism of permanent molars among south Indian population	Non-Funded

18. Inter-institutional collaborative projects and associated grants received

l) National collaboration : Nil

m) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- State recognition : We have fully equipped mortuary with Cold storage facilities for conducting medico legal and clinical autopsies.
- National recognition : Nil
- International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :

The Poison Detection Centre which comprises of Analytical Toxicology Lab situated in the department of Forensic Medicine and Toxicology and Poison Information Centre situated in the department of Emergency Medicine.

22. Publications:

YEA R	NATIO NAL	INTERN ATIONAL	NON INDEXE D	PUB ME D	SCOPU S	WEB OF SCIENCE
	15	10	-	07	10	06
Total	25					

- * Scopus Citation Index – range / average : 0-8
- * SNIP : 0.545-0.999
- * SJR : 0.229-0.412
- * h-index :

.....

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

We are outsourcing the knowledge and teaching to 2nd year students of SVYSA University, Bangalore. We teach them about practicals, clinical forensic medicine and autopsy demonstration.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (specify)

Dr. Ajay Kumar T S is a member of Executive Committee of Karnataka Medico Legal Society

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ All faculty of the department of Forensic Medicine and Toxicology have undergone training in medical education

workshop.

➔ Two of the staff have undergone training analytical toxicology at Poison Control Center, Amritha Institute of Medical sciences, Kochi.

➔ Conferences/workshop/CMEs attended by the staff;

Year	Conference	Workshops	CME
2007	-----	----	-----
2008	2	2	-----
2009	1	1	-----
2010	2	2	3
2011	3	3	2
2012	2	2	3
2013	3	4	5
2014	3	3	6
2015	----	-----	3

➔ Faculty presented research papers (oral/posters) in various regional/national conference;

Faculty	Title of paper presented	Venue	Date
Dr. Umesh Babu R	Organophosphorus poisoning presenting as pulmonary thromboembolism	SIMLA 2010 NRI Medical College, Guntur	17-09-2010 to 19-09-2010
Dr. Umesh Babu R	An unusual sequelae of Road Traffic Accident	KAMLS-FORENSICON 2011 K S Hegde Medical	25-11-2011 to 27-11-2011

		Academy, Mangalore	
Dr. Umesh Babu R	Estimation of stature from fragmentary remains of femur	SIMLA-2012 JIPMER Puducherry	2012
Dr Dayananda R	Determination of sex from lip prints	FORENSICON – 2013 KIMS, Mangalore	23 rd to 25 th November 2012
Dr Umesh Babu R	Accidental Decapitation- a Case report	KAMLS 2013 Mysore Medical College, Mysore	22 nd to 24 th November 2013
Dr Ajay Kumar T S	Suspected Virginity- Proved Fatal	KAMLS 2013 at Mysore Medical College, Mysore	22 nd to 24 th November 2013.
Dr Umesh Babu R	Can Red Cell Distribution width predict mortality and morbidity in organophosphorus and carbamate poisoning"	TOXOCON-8, held at JIPMER, Puducherry	9 th and 10 th August 2014.

28. Student projects

➔ **Percentage of students who have taken up in-house projects including interdepartmental projects.**

Undergraduate	2 projects	1.5%
Post graduate	1 project (in house Mandatory dissertation project for MD)	100%

➔ **Percentage of students doing projects in collaboration with other universities / industry / institute**

Nil

29. Awards / recognitions received at the national and international level by

• **Faculty**

Dr. Umesh Babu R was awarded best paper award at South Indian Medico-legal Society Conference held at NRI Medical College, Guntur from 17th to 19th September 2010, on the title “*Organophosphorus poisoning presenting as Pulmonary Thromboembolism*”.

• **Doctoral / post-doctoral fellows** : Nil

• **Students** : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Title of CME / Workshop / Conference	Date & Year Conducted	Whether National / State / Regional / Institutional level meet
CME on “Organ Transplantation”	07 th January/2009	State level meet Funded by SDUAHER
CME on the topic - " <i>The utility of Poison Control Centre in the management of poison cases</i> "	5 th June, 2012.	State level meet Funded by SDUAHER
A CME was conducted on “ <i>TOXICOLOGY- act fast before poison acts</i> ” in association with Dept. of Emergency Medicine.	22 nd Feb, 2014	Regional level meet Funded by SDUAHER
Seminar sponsored by government of Karnataka on “ <i>what measures can be</i> ”	25 th March, 2014	Regional level meet Funded by Govt of Karnataka

taken to ensure informed voting by the members of general public to ensure election of candidates who are genuinely interested in promoting the welfare of the society” was conducted followed by a debate computation on the same Nijalingappa found		
CME was conducted on “Medicine and Law – An inter face”	14 th Nov, 2014	State level meet Funded by SDUAHER and Karnataka Medicolegal society
<ul style="list-style-type: none"> • Dr Kiran. J delivered a guest lecture to the students of International Medical School, attached to MS Ramaiah memorial Hospital. • Dr. Kiran J and Dr. Ajay Kumar T S delivered Guest Lectures on “POST MORTEM EXAMINATION” at Bar Association. Kolar on 01st October 2012. 		

31. Code of ethics for research followed by the departments

Code of ethics prescribed by ICMR, Institutional Ethics Committee and MCI are followed for research processes by the department of Forensic Medicine & Toxicology.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Female	Male	Male	Female
2007-08		72	76	96	100
2008-09	770	68	81	92	96
2009-10	890	81	64	82	95
2010-11	730	77	72	94	96
2011-12	1116	86	64	93	100
2012-13	1929	70	71	98	100
2013-14	3820	63	87	NA	NA

2014-15	2051	66	84	NA	NA
		583	599		
TOTAL		1182			

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD Forensic Medicine and Toxicology	-	100%	-	-

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. :** Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	01
PG to M.Phil, DM / M Ch / DNB	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	-
from other universities within the State	5 (71%)
from universities from other States	2(29%)
from universities outside the country	-

37. **Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :** Nil

38. **Present details of departmental infrastructural facilities with regard to**

a) Library:-

No of books; 122 of different titles

No of Journals; 04

No of E-Journals; 03

No of E-Books; 12

b) Internet facilities for staff and students :-

Internet facilities (wireless and LAN) are present in all the staff rooms, demonstration rooms and laboratory.

c) Total number of class rooms:-

One lecture gallery, two demonstration rooms and a museum which is managed by a designated curator

d) Class rooms with ICT facility and 'smart' class rooms :-

- ➔ Integrated co-teaching facility is available in the E-library.
- ➔ Smart class rooms are available in the gallery with an E-podium and interactive white board facility and also in the demonstration room of the department.
- ➔ The faculty and students are provided with laptop/desk top computer facilities.
- ➔ We also have an air conditioned audio visual hall.

e) Students' laboratories :-

The department of Forensic Medicine and Toxicology has well equipped Anthropology laboratory for conducting student research projects.

f) Research laboratories :-

An Analytical Toxicology and Serology Laboratories are situated in the department of Forensic Medicine.

POISON DETECTION CENTRE

The Poison Detection Centre was established in the month of March 2014 which comprises of Analytical Toxicology Lab situated in the department of Forensic Medicine and Toxicology and Poison Information Centre situated in the department of Emergency Medicine. The main aim and objective is to identify and solve problems associated with poisoning and medication related illness and to improve the health of the community by reducing illness and death associated with poisoning and by encouraging proper use of medications. The infrastructure for conducting color tests, Thin Layer Chromatography and Spectrophotometer are available in Toxicology Laboratory. Poison information centre has toxicology database software from TOXBASE (UK) and LEXITOX (USA)

The database includes information on about 17,200 entries together with information on poisoning in pregnancy, harmful chemicals, chemical incidents, antidotes, antivenins and educational activities

Museum ;

We have a Museum managed by a designated curator with the following specimens.

- 300 Toxicology specimens
- 170 Photographs
- 67 Charts
- 123 weapons
- 350 bones
- One mummified body and one mummified fetus

- Two complete skeletons
- 20 radiographs

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

One postgraduate student in Forensic Medicine and Toxicology gets financial assistance in the form of stipend from the University

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

MD Forensic Medicine and Toxicology was started as there was a scarcity of Forensic experts in Kolar district.

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The staff and HOD of the Department of Forensic Medicine meet once in six months to discuss about the curriculum update. The staff would have gone through recent journals and evidence based medicine, which guides them for the same. After fruitful deliberations the topics which are found to be redundant are deleted and new topics and concepts are added based on evidence based medicine. On few occasions external members were invited. These changes in the curriculum are conveyed to the Director, Academics and Dean, faculty of Medicine and discussed at Board of studies and Academic council meetings to incorporate in the new syllabus.

b. Students on staff, curriculum and teaching-learning-evaluation and

how does the department utilize the feedback?

Yes. The feedback from the students is taken regularly and the same is put up during the monthly faculty & Curriculum Meetings. The HOD analyses the feedback and if any deficiency is found in the teaching learning methodology, he calls the concerned staff and appraises him about his short comings and counsels him. By this the HOD sees to that efficient use of the student feedback is taken care of. The confidentiality of the same is maintained. Yearly once HOD appraises about the feedback to the principal.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Few of the alumni of the college have taken up Forensic Medicine as their carrier. Our staff regularly interact with them and often invite them for academic discussions, like curriculum development and faculty development meetings. Their suggestions are incorporated for the departmental activities.

d. List the distinguished alumni of the department (maximum 10) : Nil**e. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

We conduct orientation programs, seminars (in E-library), journals club, case discussion and skill development programs for postgraduate and interns.

f. List the teaching methods adopted by the faculty for different programs including clinical teaching.

The following teaching methods adapted by the faculty.

Under graduates	Post graduates
Lectures using black board and interactive board.	Seminar

Audio visual aid (Power point presentations ,Autopsy videos and pictures)	Journal Club
Practical demonstrations of Autopsy and other medico-legal cases	Case Discussions
OSPE	Problem based Learning
Micro Teaching	Mortality meets
Case discussion (problem based learning)	Autopsy demonstration
Students are taken to the courts in batches, where they get practical hands on experience	Court procedures
Students are taken to the crime scene and exhumations in batches, where they get practical, hands on experience.	Scene of crime analysis

g. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- ➔ A well-structured calendar of events and schedules for teaching, learning and evaluation activities is prepared for every term.
- ➔ Specific learning objective (SLO) for each topic are specified and topics are categorized into must know and desirable to know
- ➔ Log books are maintained by the post graduate students
- ➔ Objective and structured practical assessment is done
- ➔ Assessment of seminars and journal clubs with the help of check list and feedback forms for post graduate students.
- ➔ Mentoring and counseling of students
- ➔ Documenting post graduate student's non-academic activities.

h. Highlight the participation of students and faculty in extension activities.

- ➔ The students and faculty participated in the medical exhibition organized on the eve of National Science Day held at SDUAHER.

➔ Students and faculty participates in Swatch Bharat Abhiyan campaign and NSS activities.

i. Give details of “beyond syllabus scholarly activities” of the department.

➔ The undergraduate and postgraduate students are constantly encouraged to participate in various conferences at state/national levels, Debate competition and Quiz.

➔ The student research committee organised DEMEDCON – the undergraduate research conference.

j. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

➔ The department is accredited with ISO 9000-2000 and NAAC in the year 2006.

➔ CME programme conducted by the department are accredited by Karnataka Medical Council.

k. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

➔ The classification of Lip print patterns and its uniqueness in identification just like fingerprints was established.

➔ The role of serum sialic acid and as a marker of alcohol abuse was established.

l. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

➔ Poison Detection Centre with two of the faculty members trained in analytical toxicology. Catering Medico legal services to the law enforcement agencies.

- ➔ Conducting regular State Level CMEs for updating knowledge
- ➔ The department has a mock court which is helpful in generating knowledge and hands on experience about court procedures to the under graduate and post graduate students.
- ➔ The department of Forensic Medicine was instrumental in formulating Medical Records Retention Policy of the University
- ➔ Good results in UG exams

Weakness:

- ➔ We don't have a full-fledged Forensic Odontology section
- ➔ Since ours is a private medical college the scope of medico legal work and training to the students is less compare to the government institutions.
- ➔ We don't have a DNA Profiling Lab.
- ➔ The Research and Development should be strengthened in addition to regular teaching.
- ➔ The Research Associates and Technicians number should be increased to facilitate research and improve PDC.

Opportunity:

- ➔ The expertise of our faculty in the field of Forensic Medicine and Toxicology may be utilized to provide medico-legal services to the society.
- ➔ Forensic Medicine Department of Sri. Devaraj Urs Medical college is the only center in our district which has got qualified and experienced manpower to do quality medico legal work. This is use as on opportunities to serve the judiciary and public
- ➔ A well-established voluntary body donors association
- ➔ Upgrading Knowledge and skill

Challenges:

- ➔ In engaging multidisciplinary approach to teaching and learning that encourages students to leverage the technology they use in their daily clinical practice to solve real-world problems.
- ➔ Efforts to bring uniform medico-legal guidelines to state and country.
- ➔ To publish a Book from DEPARTMENT comprising of interested post mortem cases conducted and published from department, Guest lectures given by the staff of department and review articles.
- ➔ Department intends to improvise on method of teaching and academic evaluation.

m. Future plans of the department.

- ➔ To establish clinical Forensic Medicine unit in the casualty.
- ➔ To get the Poison Detection Centre recognized by WHO.
- ➔ To establish medico-legal training and information center.
- ➔ To increase research activities in the subject.
- ➔ Endeavour to develop newer techniques of examination of evidences.

Evaluative report of the Department of Community Medicine

1. **Name of the Department** : Community Medicine
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Department of Community Medicine is a part of the faculty of the University.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
MBBS
B) PG Program
MD Community Medicine
5. **Interdisciplinary programs and departments involved**

Program	Departments involved
MPH (Master of Public Health)	Community Medicine & Dept of Public Health
Ph. D and M. Phil	Community Medicine & Allied Health Sciences
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
B. Sc Nursing –RGUHS, Bangalore
7. **Details of programs discontinued, if any, with reasons:** Nil.
8. **Examination System:** Annual/Semester/Trimester/Choice Based

Credit System :

- MBBS - Annual
- MD - At the end of 3 years

9. Participation of the department in the courses offered by other departments

Course	Department	Activity
MD	Pathology	CPC (Clinico Pathological Case Discussion)
MD	Paediatrics, OBG, Medicine, Microbiology, Biochemistry	Interdepartmental PG symposium
MD	Physiology	External postings (Community Health and Biostatistics)
MPH	Public health	<ul style="list-style-type: none"> • Dr. Ranganath B G, Professor, Convener of Department of MPH. • Curriculum preparation and engaging theory and practical classes
MBBS, MD	All departments	Statistical assistance for research work

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned Academy)	MCI	Filled	Actual
Professor	3	1	3	3
Associate Professor	2	2	2	2
Assistant Professor	3	5	3	3
Assistant Professor/MSW	2	0	2	2
Epidemiologist/	1	1	1	1

Lecturer				
Statistician (Asst Prof)	1	1	1	1
Tutor/ Clinical instructor	5	4	5	5
Total	17	14	17	17

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience as on April 2015	Research Guidance
Dr. Muninarayana C	MBBS, MD	Prof & HOD	Community Medicine	13 yrs 1 months	4 yrs
Dr. Ranganath B G	MBBS, MD	Prof & Principal	Community Medicine	14 yrs 3 months	5 yrs
Dr. Prasanna Kamath	MBBS, MD	Professor	Community Medicine	13 yrs, 4 months	3 yr 6 months
Dr. Anil N S	MBBS, MD	Associate Prof	Community Medicine	8 yrs, 10 months	3 yr 10 months
Dr. Deepa L N	MBBS, MD	Associate Prof	Community Medicine	6 yrs, 7 months	Nil
Dr. Ananta Bhattacharya	MBBS, MD	Assistant Prof & Epidemiologist	Community Medicine	4 yrs, 10 months	Nil
Dr. Mahesh V	MBBS, MD	Assistant Prof	Community Medicine	2 yrs, 10 months	Nil
Dr. Naresh Kumar S J	MBBS, MD	Assistant Prof &	Community Medicine	1 yr 10 months	Nil

		RHTC In charge			
Dr Latha K	MBBS, MD	Assistant Prof & UHTC In charge	Community Medicine	3 months	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

University does not appoint temporary faculty and it stresses on appointing permanent faculty only

14. Program-wise Student Teacher Ratio

Program	Strength	Student teacher ratio
UG	150	9:1
PG	2	1:2

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No	Designation	Sanctioned	Filled	Actual
1	MSW	3	3	3
2	Lab Technician	1	1	1
3	Asst. Lab Technician	1	1	1
4	Store Keeper cum Asst. Computer Operator	2	2	2
5	Attenders	2	2	2
6	Sweepers	2	2	2

16. Research thrust areas as recognized by major funding agencies

Department is engaged in need based areas of the community, namely

- i) Diabetes and Cardiovascular diseases
- ii) Cervical cancer screening with requisite interventions
- iii) Maternal and Child Health- Anaemia, RCH Program
- iv) Health of ex-miners in Kolar Gold Field area
- v) Occupation & Health-Police Personnel, Beedi workers
- vi) Nutrition and Health- Iodine Deficiency Disorders and Fluorosis
- vii) Vector Borne Diseases- Malaria
- viii) Adolescent Health- Social and Mental Health

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

The University liberally funds research projects undertaken by the department faculty.

Process is under way to apply for grants from national funding agencies

Sl. No	Name	Title of Research project	Funding agency	Reference No.	Grants received (Rs)
1	Dr. Latha K, Dr. Ranganath B G	Cancer cervix screening among women aged 30-60 years in Devarayasamudra health centre area rural Kolar.	ICMR	No.3/2/2012-13/PG-Thesis-HRD-9	15,000/-
2	Ms. Pallavi Murthy, Dr. Deepa L N	Assessment of awareness & practice of foot care & physical activity among people with type 2 diabetes attending a tertiary care teaching hospital	ICMR	F.No.21/1/2015-BMS-STs	-
3	Dr. Ranganath B.G. Professor	Health status and Prevalence of chronic lung disease among workers formerly employed in Gold mining industry in Kolar.	SDUAHER	SDUAHER/Res.Project/63/2012-13	50,000/-
4	Dr. Ranganath B.G. Professor	Evaluation of influence of primary preventive measures implemented by administrative approach and regular health care approach in	SDUAHER	SDUAHER/Res.Project/83/2013-14	25,000/-

		the control of risk factors for Diabetes and cardiovascular disease in police personnel.			
5	Dr. Mahesh V Asst. Professor	A study of prevalence & risk factors of diabetes mellitus in mining area of Kolar Gold fields.	SDUAHER	SDUAHER/Res.Project/03/2013-14	50,000/-
6	Mr. Ravishankar Asst. Professor, Statistics	A prospective study of effects of anemia in pregnancy in rural Kolar	SDUAHER	SDUAHER/Res.Project/47/2011-12	97,000/-

18. Inter-institutional collaborative projects and associated grants received

n) National collaboration

Collaborative research between departments of Community Medicine and Ophthalmology of our university and Public Health Foundation of India (PHFI), Hyderabad-Blindness research-Rapid assessment of avoidable blindness (RAAB) survey.

o) International collaboration : Nil

The University has made MOU for collaborations to encourage the departments to initiate inter institutional research projects.

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Investigator s	Title	Funding agency	Referenc e No.	Grants approved	Grants received
Dr. Latha K, Dr. Ranganath B G	Cancer cervix Screening among Women aged 30- 60 years in Devarayasamudr a Primary Health center area in Kolar district	ICMR	No.3/2/2 012- 13/PG- Thesis- HRD-9	25,000/-	15,000/-
Project – Ms. Pallavi Murthy, Dr. Deepa L N	Assessment of awareness & practice of foot care & physical activity among people with type 2 diabetes attending a tertiary care teaching hospital	ICMR	F.No.21/ 1/2015- BMS- STS	10,000/-	-

20. Research facility / centre with

- state recognition
- national recognition
- international recognition

The Research facility and faculty of the department have been acknowledged by the department of epidemiology NIMHANS to conduct, community based mental health research projects & the department of Public health, University of Minnesota, to engage in research related to environment and health.

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications:

- * Number of papers published in peer reviewed journals : 65
- * International : 25

* National	: 40
* Monographs	: Nil
* Chapters in Books	: Nil
* Books edited	: Nil
* Books with ISBN with details of publishers	: Nil
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)	: 9
* Scopus	: 12
* Pub Med	: 24
* Web of Science	: 10
* Scopus Citation Index – range / average	: 0-11
* SNIP	: 0.258-1.148
* SJR	: 0.13-0.714
* ISI Impact Factor – range / average	: 0.343-2.188
* h-index	: 0.3

23. Details of patents and income generated : Nil

University encourages department to apply for patents for the innovations. The department is in the process of applying patent for a model/methodology of “Community based cervical cancer screening.”

24. Areas of consultancy and income generated

- ➔ Faculty of the department is actively engaged in consultancy services for the state and central government, in the areas of training, supervision, monitoring and evaluation of National programs.
- ➔ Training of health and family welfare staff of Kolar and Chikkaballapur districts, in the field of National programs, MCH, Biomedical waste management, monitoring and supervision of pulse

polio program, evaluation of lymphatic filariasis elimination program and STI/RTI surveillance program.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

The university encourages the faculty to visit institutions of repute in the areas of research and medical education. Recently two faculty of the department were deputed by the university to visit Madras Diabetic Research Foundation, Chennai to study and plan for collaborative research.

Faculty	Institute visited	Date
Dr. Ranganath B G Dr. Mahesh V	Madras Diabetic Research Foundation, Chennai	Jan 2015
Dr. Ananta Battacharyya	National AIDS Research Institute (ICMR), Pune	Apr 2014

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) any other (specify)

Faculty engage in review of research papers published in peer reviewed journals.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Department seminars, workshops and conferences
- ➔ Inter-departmental seminar, workshops, conferences
- ➔ Orientation programs- Mentorship of Evidence based medicine (EBM)
- ➔ Faculty training in MET through workshops conducted by the university and periodical update at MCI recognized

zonal MET centers.

- ➔ Training at the NTTTC, Pondicherry about medical educational technology.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects
- UG Projects: 6 (0.57%)- Department Projects
 - PG Projects: 100% Department and Inter departmental PG Projects
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Name of Conference/workshop (with date/month/year)	source of funding	Outstanding Participants	Total No. of Delegates

31. Code of ethics for research followed by the departments

The university follows the ICMR code of ethics.

32. Student profile program-wise:

Name of the Program	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
UG (batch 2007-08)		52	47	93.6%	100%

UG (batch 2008-09)	770	53	54	96%	100%
UG (batch 2009-10)	890	56	59	96%	100%
UG (batch 2010-11)	730	59	59	97%	100%
UG (batch 2011-12)	1116	75	57	96.5%	100%
UG (batch 2012-13)	1929	65	52	-	-
UG (batch 2013-14)	3820	-	-	-	-
UG (batch 2014-15)	2051	-	-	-	-
PG (batch 2010-11)	1050	2	0	100%	-
PG (batch 2011-12)	929	0	2	-	100%
PG (batch 2012-13)	1067	1*	1	-	100%
PG (batch 2013-14)	1047	2	0	-	-
PG (batch 2014-15)	1130	1	1	-	-

33. Diversity of students

Name of the Program	% of students from other Universities within state	% of students from Universities outside the state	% of students from Universities outside the country
MBBS (batch 2007-08)	50 (33.3)	100 (66.4)	-
MBBS (batch 2008-09)	25 (16.6)	121 (80.7)	04 (2.7)
MBBS (batch 2009-10)	48 (32)	81 (54)	21 (14)
MBBS (batch 2010-11)	61 (40.6)	73 (48.8)	16 (10.6)

MBBS (batch 2011-12)	65 (43.4)	63 (42)	22 (14.6)
MBBS (batch 2012-13)	47 (33.4)	74 (52.4)	20 (14.2)
MBBS (batch 2013-14)	40 (26.8)	94 (62.6)	16 (10.6)
MBBS (batch 2014-15)	39 (26)	109 (72.6)	02 (1.4)
MD	10 (100)	-	-

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.**

USMLE examination-21 students have applied for USMLE.

35. **Student progression**

Student progression	Percentage against enrolled
UG to PG	34
PG to M.Phil, DM / M Ch / DNB	Data not available
PG to Ph.D.	Data not available
Ph.D. to Post-Doctoral	Data not available
Employed	
• Campus selection	100%
• Other than campus recruitment	Not applicable
Entrepreneurs	Nil

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	12.5%
from other universities within the State	81.25%
from universities from other States	6.25%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Sl.No	Name of faculty	Degree	University
1	Mr. Ravishankar S	M.Phil (2009) in Biostatistics	Vinayaka Missions university, Salem

38. Present details of departmental infrastructural facilities with regard to

a) Library

- ➔ Books/Titles: 540 /194
- ➔ Journals: all free access journals,
- ➔ Peer reviewed scientific journals (Printed)- 5
- ➔ Online journals – 10, University is a member of HELINET consortium (RGUHS)
- ➔ Dissertations, publications and question banks of UG and PG students.

b) Internet facilities for staff and students

- ➔ Department has 3 desktop and 11 laptops equipped with 1 GB internet facility.
- ➔ Reprography is provided through printer and scanner facility.
- ➔ Wi-Fi with e-learning facility provided through one router accessible through smart phones and personal laptops by faculty and post graduates.
- ➔ The RHTC is provided with one desktop, broadband internet facility and printer.
- ➔ All the post graduates and undergraduates are provided with free laptops.

c) Total number of class rooms

- ➔ Gallery-5
- ➔ Demonstration room-2
- ➔ Practical hall-1
- ➔ Seminar hall -3
- d) Class rooms with ICT facility and ‘smart’ class rooms
 - ➔ The department has access to five lecture galleries with 200 seating capacity, equipped with smart board and ICT facility.
 - ➔ One of the lecture gallery is exclusively designated to department of community medicine.
 - ➔ There are two demonstration rooms of 80 seating capacity with AV aids (2 LCD projectors) used for demonstrations.
 - ➔ RHTC & UHTC of the department has 1 demonstration room each..
- e) Students’ laboratories
 - ➔ 1 Public health laboratory. There is support of
 - i) Trained technician
 - ii) Adequate number of microscopes (49- dissecting microscopes, 4- oil immersion microscopes, 3- Binocular microscopes)
 - iii) Stains, reagents and accessories to conduct practical classes for both UG and PG students.
 - ➔ RHTC has basic Public health laboratory set up to cater for common diseases of the patient and also to provide PG training.
- f) Research laboratories
 - ➔ 1 Research laboratory with 12 research equipments
 - ➔ The facilities provided by the university at Genomics and Central clinical research laboratory and diagnostic facility at RL Jalappa Hospital and research center is also utilized for research work.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

All the 5 Postgraduate students admitted to the department gets financial assistance in the form of monthly stipend for all the three years.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- ➔ There was felt need for initiating postgraduate programme for community medicine as there was deficiency of public health specialists in the district and the state. This was based on the data available from the department of Health and Family Welfare which showed shortage of public health experts in all the districts of the state in implementing, supervising, monitoring and evaluating the National programmes. The Community Medicine faculty to teach and train medical students in colleges were also found to be short of requirement in the state and country from the MCI data. Comparison of need and actual availability was made. This clearly showed the need to start the post graduate programme.
- ➔ With the availability of infrastructure, Professors and other resources which met the requirements stipulated by the MCI, MD program was initiated in 2010.

42. Does the department obtain feedback from

- p. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Department conducts monthly faculty development meetings, where the academic matters of the department are discussed. There is a

departmental curriculum development committee, which discusses about the new topic to be introduced or the old redundant topics/concepts to be removed from the curriculum. Based on the feedback from the curriculum development committee, the department recommends the curriculum changes to the board of studies of the University, for the needful.

- q. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Department obtains feedback about the faculty, learning and teaching methodology from the students, annually. This is analyzed by the university through director of academics, who provides feedback to the department. Based on the feedback provided by students, departmental curriculum development committee suggests changes in the curriculum, that are deemed to be essential.

Based on the performance of students in the formative assessment, departmental faculty development committee, discusses measures to be taken to improve the learning and teaching activities.

- r. Alumni and employers on the programs offered and how does the department utilize the feedback?

Department obtains, feedback from the alumni through mail, through social networking sites and this is discussed in the faculty development committee. Appropriate changes & modifications are considered in teaching, learning & evaluation of a program if found essential.

43. List the distinguished alumni of the department (maximum 10)

Name	Present status
Dr. Achal Shetty	Research associate, CMC Vellore
Dr. Shruthi MN	Asst. Professor, BGS Medical college Bangalore

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Programs by the department	Frequency
CME/ Workshop	Every 6 months
Interdepartmental PG symposium	Once a year
Guest lectures	Every 3 months
Health days of importance World health day World TB Day World Environment day	Annually
Training, Supervising and monitoring the National Health programmes.	As per the request of Government of India/ Government of Karnataka state
Outbreak investigations Mock drills Microteaching sessions for PG's	on occurrence Once a year Once a year

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

MBBS	MD
<ul style="list-style-type: none"> • Lecture • Demonstration • Tutorials • Seminar • Problem based learning • Field visits • Bed side case discussion • Community orientation program 	<ul style="list-style-type: none"> • Lecture • Demonstration, • Journal club • Field visit • Seminar presentation • Bed side case discussion • Problem based learning • Family study • E-journal club (Web based learning)

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Undergraduate	Postgraduate
<ul style="list-style-type: none"> • Part completion tests • Counselling for poor performers • Updating the student performance to the parents at the end of each semester • Additional classes • Short assignments • Internal Assessments - Theory and Practical's (OSPE) • University examination • Work place based assessment • Student & faculty feedback. 	<ul style="list-style-type: none"> • Log book evaluation • Assessment of seminar/journal club with the help of a checklist • Evaluation by yearly internal examination Theory and Practical's (OSPE) • Dissertation progress review conducted every 6 months • University examination • Work place based assessment • Student & faculty feedback.

47. Highlight the participation of students and faculty in extension activities.

- ➔ Swach Bharath Abhiyan
- ➔ Observing National and International Health Event Days
- ➔ NSS activities
- ➔ Health camps - General health camps every month, Mega health camps, Eye camps, Vajpayee Arogyashree camps, Weekly Outreach clinics
- ➔ Investigation of an outbreak.
- ➔ Pulse polio immunization
- ➔ Blood donation & Organ donation camps
- ➔ Specialty clinics like Diabetes, MCH, Orthopedic clinics will be conducted in RHTC & UHTC regularly.
- ➔ Training, Implementation, Supervision, Monitoring and Evaluation

of National health programs

→ CME and Workshops

48. Give details of “beyond syllabus scholarly activities” of the department.

→ In collaboration with government health service, the department involves the students in conducting National health programs like blindness control programs, school health programs, RCH, MCH, Lymphatic Filariasis elimination and infectious disease control.

→ Presentation of papers and posters by UG and PG students

→ DeMedCon- medical students conference

→ National Research Seminars-Yearly

→ Participating in Science exhibitions

→ Participating in orientation courses

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

→ No NAAC 2006 valid till 2009

→ ISO (9001-2000) valid till 9/5/2009

→ KMC accreditation for CME, Workshops

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

→ A study on prevalence and awareness regarding diabetes mellitus in rural Tamaka, Kolar showed that there was poor knowledge and awareness about diabetes in rural India and the need for increasing awareness activities.

→ Based on a research study titled “Cancer cervix Screening among Women aged 30-60 years in Devarayasamudra Primary Health center area in Kolar district”- the new applied knowledge gained is

that 'Medical college health personnel can successfully carry out uterine cervical cancer screening and its further management in the adopted field practice area.' Thereby contributing to the objective of National Cancer control program.

- ➔ The evaluation studies of implementation of National program- Elimination of Lymphatic filariasis consistently found 'Poor managerial commitment at high and middle level organization of the program and has suggested the program authorities to include accountability and monitoring of these levels also.
- ➔ Survey on the health and social conditions of ex miners at Kolar Gold Field area found 'Poor health status, lack of organized health care services and social disintegration' and has recommended considering the rehabilitation of miners and their families at the stage of planning of mining activity itself.
- ➔ In a study titled 'Prevalence of dental fluorosis in school children of Bangarpet taluk, Kolar' it showed prevalence of dental fluorosis was 31% and predominant among females. The fluoride levels in drinking water exceeded 1.5mg/l

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ Highly motivated & multitasking staff
- ➔ Good management & communication skills among staff
- ➔ Epidemiology & Biostatistics consultancy
- ➔ Well thought, planned & structured learning & teaching programs
- ➔ Well organized Outreach activities – 6-7 General health camps, 7-8 Eye camps and 2-3 Vajpayee Arogyashree camps every month, 1 Mega health camp every 3 months with OPD attendance around 2000-3000, Patient mobilization camps for hospital OPD and

Weekly Outreach clinics

- ➔ Good epidemiological surveillance system

Weakness:

- ➔ Shortage of Research associates to undertake research activity
- ➔ Difficulty in getting International funded projects
- ➔ Low clinical orientation in the laid down curriculum
- ➔ Networking with government health agency is relatively weak being a private institute

Opportunity:

- ➔ Involvement of students to undertake community research projects
- ➔ Utilisation of softwares to improve the data management of the community
- ➔ Implementation of National health programs for the control of Communicable and Non Communicable diseases.
- ➔ Training of middle level and grass root level Health workers
- ➔ Co-ordination with internal and other agencies (NGOs)
- ➔ Monitoring and evaluation of National health programmes in collaboration with Government agencies

Challenges:

- ➔ Control of Malaria in the field practice area of RHTC, Devarayasamudra
- ➔ To improve the infrastructure at RHTC and Sub centers
- ➔ Mother and Child Health care – Improvement in MMR and IMR
- ➔ To provide satisfactory health care to the community.
- ➔ To motivate patients to avail tertiary health care services
- ➔ To improve the quality of research and to get published in Pub Med indexed journals
- ➔ Resource management- attain objectives with available resources
- ➔ Lack of health awareness- Illiteracy and adverse social customs in the field practice area

52. Future plans of the department.

- ➔ To start Diploma & Masters courses in Occupational health.
- ➔ To establish Medical Entomology unit in the department to contribute in the control of vector borne diseases.
- ➔ To establish a well-equipped Epidemiology and Surveillance unit for Research and training purposes.
- ➔ To establish a Statistical unit to train in application and analysis of research data.
- ➔ To upgrade the infrastructure at RHTC and UHTC to contribute for the training activities of interns as per IPHS (Indian Public Health standards).

Evaluative report of the Department of Genral Medicine

1. **Name of the Department** : General Medicine
2. **Year of establishment** : 1998
3. **Is the Department part of a college/Faculty of the university?**
Faculty of the university
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
v) MBBS
B) PG Program
iv) MD General Medicine
5. **Interdisciplinary programs and departments involved**

Nursing	a. B.Sc. Nursing (Basic) b. B.Sc. Nursing (Post Certificate)
Allied Health Sciences	a. B.Sc. in Renal dialysis. b. Diploma in Yoga
Postgraduate Departments-External postings.	a. MD Physiology b. MD Pharmacology c. MD P&SM
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**
➔ MBBS-Annual
➔ MD General Medicine - At the end of three years

➔ Allied Health sciences - Semester

9. Participation of the department in the courses offered by other departments

Department	Course	Activities
Pathology	MD	Training of Postgraduate in managing OPD cases, medical emergencies, and case discussions during ward rounds and correlating pathophysiological aspects with disease evolution.
Pharmacology	MD	Training of Postgraduate in managing OPD cases, medical emergencies, case discussions during ward rounds and clinical aspects in pharmacology.
Community medicine	MD	Training of Postgraduate in managing OPD cases, medical emergencies, case discussions during ward rounds and training in preventive cardiology, tropical medicine, statistics etc
Dermatology and venereal diseases	MD, DVD	Training of Postgraduate in managing OPD cases, medical emergencies, and case discussions during ward rounds.
Clinico-pathological meetings	MD	Clinical evaluation of interesting and rare cases and finding its correlation with final diagnosis(pathological)
Inter-departmental PG Symposium	MD	Presentation on medical aspects.
ICU case discussion-anesthesia and emergency medicine	MD	Presentation and clinical evaluation of ICU cases.
Vertical integration – Physiology	MD	Discussion on applied medical aspects of Physiology.
Clinical skill LAB	MD	Imparting all skills required for post graduates.

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	MCI Requirement	Filled	Actual (including CAS and MPS)
Professor	1	5	5
Associate Professor	6	3	3
Assistant Professor	11	7	7
Lecturer	-	-	-
Tutor/Clinical Instructor	-	-	-
Senior Resident	9	7	7
Junior resident	18	24	24

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience	Research under guidance
Dr.Prabhakar.K	MBBS, MD	Professor and head	General medicine	26 yrs	15yrs
Dr.B.N.Raghavendra Prasad	MBBS, MD	Professor	General medicine	30 yrs	18yrs
Dr.Lakshmaiah	MBBS, MD	Professor	General medicine	30 yrs	19yrs
Dr.P.N.Venkatarathnamma	MBBS, MD	Professor	General medicine	26yrs	10yrs

National Assessment and Accreditation Council

Dr.Raveesha	MBBS, MD	Professor	General medicine	18 yrs	8yrs
Dr.Vidyasagar.C.R	MBBS, MD	Assoc. Professor	General medicine	9 yrs	2yrs
Dr.K.V.S.Reddy	MBBS,MD	Assoc.Professor	General medicine	5yrs	-
Dr.Srinivasa.S.V	MBBS, MD	Assoc.Professor	General medicine	5 yrs	-
Dr.Harish Kumar.S	MBBS, MD	Assoc.Professor	General medicine	5 yrs	-
Dr.K.S.Sreedhara	MBBS, MD	Asst.Professor	General medicine	4yrs	-
Dr.Chitti Babu	MBBS, MD	Asst.Professor	General medicine	3yrs	-
Dr. Reethesh. R.P	MBBS, MD	Asst. Professor	General medicine	5yrs	-
Dr.Reddy Prasad.K	MBBS, MD	Asst. Professor	General	5yrs	-
Dr.Prasanna Kumar.N	MBBS, MD	Asst. Professor	General medicine	3yrs 3mths.	-

Dr.Niveditha.S	MBBS, MD	Asst. Professor	General medicine	3yrs 3mths.	-
Dr.Viswanatha Reddy.N	MBBS, MD	Asst. Professor	General medicine	3 yrs 3mths.	-
Dr.Pallav Rakesh	MBBS, MD	Asst. Professor	General medicine	5 yrs	
Dr.Madhavi	M.Sc, Ph.D	Asst. Professor	Clinical Nutrition	12 yrs	-
Dr.Yugandhar Reddy Madithati	MBBS, (MD)	Sr.Resident	General medicine	3mths.	-
Dr.Mahaboob Pasha	MBBS, MD	Sr.Resident	General medicine	5 yrs	-
Dr.Bhaskar	MBBS, MD	Sr.Resident	General medicine	3 yrs	-
Dr.Tanveer Ulla Khan	MBBS, MD	Sr.Resident	General medicine	2 yrs	-
Dr.B.V.Suryanarayan a Reddy	MBBS, MD	Sr.Resident	General medicine	1 yr	-
Dr.Sri Sai Prasad.K	MBBS,	Sr.Resident	General	1 yr	-

	MD		l medici ne		
Dr.Anup.M	MBBS, DNB	Sr.Resident	-	10 yrs	-
Dr.Ramdas.A.V	MBBS	Sr.Resident		7 yrs	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

i) Dr. V Mohan , Mohan's Diabetes Specialities Centre, Chennai

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

SL. No.	Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1	MBBS	2011-12 (9 th Sem.)	150	25	6:1
2	MD(Medicine)	2013-14	8	8	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
9)	Technical assistant	3	3	
10)	Computer operator & Clerk*	1	1	
11)	Lab Attendants	4	4	
12)	ECG Technician	1	1	
13)	Store keeper	1	1	

16. Research thrust areas as recognized by major funding agencies

- ➔ Diabetes Mellitus
- ➔ Tuberculosis
- ➔ Stroke-National Stroke Register
- ➔ Infectious disease
- ➔ Genomics-Rare disorders
- ➔ Geriatric medicine
- ➔ Rheumatoid arthritis
- ➔ Metabolic syndrome.
- ➔ Tropical medicine with special interest in atypical
- ➔ Manifestation of Malaria, Dengue, Leptospira and Others.
- ➔ Acute Kidney Injury and Chronic Kidney Disease.
- ➔ Thyroid disorders
- ➔ Coronary artery diseases.
- ➔ Newer Drugs in CCF.
- ➔ Snake Bite Research
- ➔ Poisoning – Intentional and Unintentional

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Project Title	investigators
International Project 1. INSPIRE –IN Hospital Stroke Prospective Registry (INSPIRE) – Multicenteric Research Project under National Heart Lung and Blood Institute(NIH, USA).	Dr P.N.Venkatarathnamma
National Project 2. Study of genetic susceptibility of type 2 diabetes mellitus and its complication in Indian population – Multicenteric Research Project in collaboration	Dr V. Lakshmaiah

with <u>CCMB, Hyderabad.</u>	
University Project 3. Effects of barley and wheat semolina on renal parameters in CKD patients.	Dr Madhavi Reddy University Funding Rs.24,550/-

18. Inter-institutional collaborative projects and associated grants received

p) National collaboration : Nil

q) International collaboration

INSPIRE (Indian stroke registry) - A large multicentric prospective study to determine etiologies, clinical practice pattern and outcomes strokes in India. With division of clinical research, St Johns Research institute,

St. Johns medical college Bangalore (NIH sponsored)

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- state recognition

Central lab & image lab

- national recognition

i) Genomics and central research Laboratory

ii) Centre of molecular biology and cytogenetic

- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :

Nil

22. Publications:

- * Number of papers published in peer reviewed journals
- * 124, (45 PUBMED, 23 SCOPUS)
- * National : 77
- * International : 47
- * Monographs :
- * Chapters in Books : 1
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : 01
- * Citation Index (Scopus) – range / average : 0-11
- * SNIP :
- * SJR : 0.104-1.151
- * ISI Impact Factor – range / average : 0.343-4.036
- * h-index (Scopus) : 1
- (Google Scholar) : 1.8

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil

26. Faculty serving in

- a) National committees : Nil
- b) International committees : Nil
- c) Editorial Boards : Nil
- d) Any other (specify)
 - ➔ Dr. Prabhakar, Dr.B.N.Raghavendra Prasad, Dr. Lakshmaiah & Dr. Raveesha served as presidents for API, Kolar branch.
 - ➔ Dr. Prabhakar as :
 - i) Vice-President of API-Kolar chapter.
 - ii) Vice-President of IMA-Kolar branch

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Research methodology.
- ➔ Teaching program.
- ➔ Soft skill development programme.
- ➔ Training programme on Mentoring Skills.
- ➔ Conferences.
- ➔ Daily Pedagogy & Clinical audit in the Department of Medicine.
- ➔ Conducting and attending CME programs.
- ➔ Arranging guest lectures from national/ internationally renowned doctors & researchers.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects

	Total number of projects	Percentage
UG	1	0.9
PG	60	100

All MD students (100%) undertake dissertation work as a part of the

course.

- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty

Dr.Prabhakar K

Hon. professor of IMA-CGP (Indian medical association college of general practitioners) and contributed chapter on “Resistant Hypertension” in “Textbook Of Family Medicine”.

Awarded MNAMS, FIMSA, FIAMS, AFISC

Vignanjyothi award Feb, 2009.

Oration on Malaria Update at International conference on Em. Medicine, Salem.

Dr. Lakshmaiah V

Best physician award in 2012 on TB day celebration at district level.

Unnathi Vydy Ratna award by Unnathi human rights organisation

Resource person : MPMRT, Mysore

MERT Bangalore

Dr.B.N. Raghavendra Prasad

Best physician award in 2014 on TB day celebration at district level.

Resource person : MPMRT , Mysore

MERT ,Bangalore

Shifaa Foundation Trust, Bangalore

Dr.Venkatarathnamma PN

- “Best active site award” from NIH, USA.

DR. A.R.PATIL

- Ex. HOD and ex Principal SDUMC awarded “Life Time Achievement Award”

by API Karnataka Chapter in 2009

- Students
 - i) Best poster award APICON 2014 :Dr Krishna Prasad Anne
 - ii) Best poster award APICON 2014 : Dr. Anitha. A, Dr. Prabhakar
 - iii) Best Poster Award World TB Day 2015 : Dr.Upahar Gupta
- Other Awards & Achievements:
 - INTERNATIONAL PRESENTATIONS
 - 1. Dr Nagaraj Murthy
 - 1. Malignant hypertension in young women. ISH 2006, Fukoka,JAPAN
 - 2. Prediction of poor outcome in malaria. RSTMH 2007, LONDON, UK.
 - 3. CPC at Indo-US meet Emergency medicine meet 2005, AIIMS New DELHI
 - 2. Dr Yashwanth AL

A rare case of cryptococcal meningitis in a immunocompetent patient. International conference on Infectious diseases, Beijing, China.
 - 3. Dr. Moosa AE

A clinical Study of Dengue Fever
International conference on Infectious diseases Beijing, China.
 - 4. Dr Vijay Kumar

Use of papaya leaf extract as an adjuvant therapy in dengue fever- 4th international conference on medicinal plants and herbal products, Rockville, Maryland, USA.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Guest Lectures

Date	Guest Lectures conducted by Department
23 rd Feb.2010	Guest Lecture on “Torsemide” by Nephrologist ,Dr.Sanjay Hiramut. Venue: AV Hall, SDUMC
3 rd May 2010	Guest lecture from Dr. Naresh Bhat on “Inflammatory Bowel Disease”. Venue: AV Hall, SDUMC
1 st Oct. 2011	Guest lecture “Gliptins” by Dr. Prasanna Kumar From M.S.R. Hospitals Bangalore. Venue: AV Hall, SDUMC
27 th Mar. 2013	Guest Lecture on “Cardiac Arrhythmias” by Dr. Satish popular interventional Electrophysiologist , sri Jayadeva institute of cardiology, Bangalore. Venue: AV Hall, SDUMC
7 th June 2014	Guest lecture on “Devices in Diabetes mellitus” by Dr. Praveen & Dr. Ramachandra both endocrinologist from Fortis hospital, Bangalore. Venue: AV Hall, SDUMC
27 th Mar. 2015	Guest Lecture on “Updates in Diabetes” by Dr. Mohan.V, Director of Madras Diabetes Research Foundation, Chennai. Venue: AV Hall, SDUMC
23 rd July 2015	Guest Lecture on “Nature Science” by Dr. Tolstoy, Assoc. Prof. of Dept. Medicine, PSG IMSR, Coimbatore. Venue: AV Hall, SDUMC
18 th Sept. 2015	Guest Lecture on “Out Look on Lymphoma” by Dr.Sampath.M.Narayan Medical Oncologist, HCG-BIO, Bangalore. Venue: AV Hall, SDUMC

CME

Date	CME's conducted by Department
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18 th march 2011	CME on “Advances in Cardiac Stents” by Dr. Ramesh & Dr. Ramamurthy Bingi, Prof. of Cardiology from SJIS. Venue: AV Hall, SDUMC
7 th Dec. 2011	CME on “Recent updates on HIV management” by Team of researchers From St. John’s Hospital, Bangalore. Venue: AV Hall, SDUMC
27 th July 2012	CME “Updates in epilepsy and social stigma” by Team under Dr. Sathish Chandra From ex-Director, Prof. & Head, Dept. of Neurology, NIMHANS, Bangalore. Venue: AV Hall, SDUMC
6 th Nov. 2012	CME on “Acute respiratory distress syndrome (ARDS)” by renowned pulmonologist Dr. Sathish S from Fortis Hospital, Bangalore. Venue: AV Hall, SDUMC
23 rd Nov. 2013	CME on “Recent Updates on respiratory Medicine” by Dr. Bhimsen Rao, (FHIV Med) Pulmonologist and Dr. Sandeep, Pulmonologist, Fortis, Hosp. Dr. Huliraj, Prof & HOD, Dept. of Pulmonology, KIMS, Bangalore Venue: AV Hall, SDUMC
22 nd April 2014	CME “Rheumatology” by Dr.Chandrashekar from CHANRE well known Immunologist & Rheumatologist. Venue: University Auditorium, SDUAHER
7 th October 2014	CME “Recent updates on cardiac intervention” by Dr. Keshav well known interventional cardiologist from Fortis hospital, Bangalore. Venue: AV Hall, SDUMC
6th June 2015	CME on “Recent advances in Epilepsy (State Level)” by Dr. HV Srinivas, Founding member and president of IEA& Dr. Chandra Gnanamuthu both Senior Neurologists in Sakara Hospital, Bangalore & Dr.Chandrashekhar.MN, Neurologist, SDUMC. Venue: AV Hall, SDUMC
4th Sept. 2015	CME on “Recent Advances In Diabetes Management ” by Dr Prasanna Kumar. Senior Professor and Head of the Department of Diabetes, Endocrinology and Metabolism at M S Ramaiah Medical College in Bangalore. Venue: AV Hall, SDUMC

31. Code of ethics for research followed by the departments

ICMR guidelines for research on human subjects

32. Student profile program-wise:

MBBS	YEAR	Appeared		Pass percentage	
		Female	Male	Female	Male
	2007-08	72	78	95	90
	2008-09	69	81	96	94
	2009-10	83	67	100	90
	2010-11	77	73	98	92
	2011-12	86	64	94	100
	2012-13	70	71	92	90
	2013-14	63	87	95	100
	2014-15	66	84	75	75

MD	YEAR	Application received	Appeared	Cleared	Pass percentage
	2007	1015	6	6	100
	2008	1012	6	6	100
	2009	1559	6	6	100
	2010	1050	8	8	100
	2011	929	8	8	100
	2012	1067	8	7	87
	2013	1047	8	8	100
	2014	1130	8	8	100

33. Diversity of students

Name of the Program	YEAR	% of students from same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
POST GRADUATION	2007-08	25	50	25	0
	2008-09	0	33.3	66.6	0
	2009-10	0	16	83.3	0
	2010-11	37.5	25	37.5	0
	2011-12	0	25	75	0
	2012-13	0	25	75	0
	013-14	25	0	75	0
	2014-15	50	25	25	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Other Competitive Examinations: Dr. Mangala (KAS) under-secretary
Ministry of Backward classes and Minority.

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	2.6 %
PG to M.Phil, DM/M Ch /DNB	NIL
PG to Ph.D	NIL
Ph.D to Post-Doctoral	NIL
Employed • Campus Selection	

• Other than campus recruitment	Not applicable
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	8%
from other universities within the State	75 %
from universities from other States	17%
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**38. Present details of departmental infrastructural facilities with regard to**

g) Library

1-256

h) Internet facilities for staff and students

Two desktop and 24 laptops with internet facility.

i) Total number of class rooms :

3 department exclusive and 3 shared

j) Class rooms with ICT facility and 'smart' class rooms: 1

k) Students' laboratories : 1

l) Research laboratories

1 Laboratory, 2 wifi, 28 Laptops, 476 EBooks

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : Nil

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

Monthly stipend to all post graduate.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

- s. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

All teaching programmes are evaluated at departmental faculty meetings. Inputs are then discussed at the Board of Studies and suitable changes are presented at the Academic Council.

- t. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

At the end of the course, feedback is taken from the students which are analysed and presented in the departmental meeting. In light of the feedback, changes are made for future batches.

- u. Alumni and employers on the programs offered and how does the department utilize the feedback?

The department collects feedback and makes suitable alteration in teaching methodologies, patient care and research activities.

43. List the distinguished alumni of the department (maximum 10)

Dr. Nagaraj Murthy	DM cardiology
Dr. Balaji.G	DM gastroenterology
Dr. Satish	Interventional cardiologist & Electrophysiologist at SJIC, Bangalore.
Dr. K.K Kiran	Nephrologist at JSS Medical College Mysore.
Dr. Deepak Kumar	DM (nephrologist) consultant at Rajarajeshwari Medical College, Bangalore.
Dr. SaileshPatil	Pursuing DM cardiology
Dr. MadhavDhantala	Pursuing DM oncology at NIMS

	HYDERABAD
Dr. Yashwanth.A.L	Pursuing DM Cardiology AIMS Kochi.
Dr. Manjunath	pursuing is DM cardiology at SJSC Bangalore.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Postgraduate	Undergraduate	
	High Achievers	Slow Learners
<ul style="list-style-type: none"> • Orientation program, • Research methodology program, • Microteaching program, • Attending conferences, CME programs, workshops 	<ul style="list-style-type: none"> • Participation in Seminars • Student research projects • Attending UG conferences and presenting papers • Guidance for paper publication • Mentoring program 	<ul style="list-style-type: none"> • Special Enrichment classes • Student counselling by a qualified counsellor • Mentoring program • Frequent evaluation and feedback

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Postgraduate:	Undergraduate:
Seminars Journal clubs Bedside clinics Pedagogy Clinical audit Interdepartmental case discussion CPC Mortality meet ICU case discussion	Lectures Tutorials Bed side clinics Demonstrations Group discussions Student seminar Conferences

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Postgraduate:	Undergraduate:
<ul style="list-style-type: none"> • Log book evaluation • Assessment of seminar/journal club with the help of a checklist • Evaluation by yearly internal examination. • Observing and reporting on the post graduate student's non-academic attributes 	<ul style="list-style-type: none"> • End posting completion tests • Internal Assessments • Viva-Voce • Counselling for poor performers • Updating the student performance to the parents at the end of each semester

47. Highlight the participation of students and faculty in extension activities.

- ➔ The department's faculty & students actively participate in the regularly conducted General health camps & Megacamps
- ➔ Students and faculty participate in medical exhibitions conducted by the institution
- ➔ The Dept conducts diabetes exhibition for the general public visiting RLJH.
- ➔ Participation in outreach programs of national health programs
- ➔ NSS, Swatch bharathabhiyan programs.
- ➔ AIDS awareness program.
- ➔ Participation in world TB day, World AIDS day, World Leprosy day.
- ➔ Blood donation camps.

48. Give details of “beyond syllabus scholarly activities” of the department.

- ➔ Actively participated as resource personnel for DEMEDCON held at SDUMC in 2014 & 2015.
- ➔ Active participation in the yearly science exhibition in the form of Audio-Visual information on common health problems.
- ➔ Conducting Guest Lectures on world TB day, World Diabetes Day, World AIDS Day.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- ➔ NAAC accreditation.
- ➔ ISO 9001:2000 accreditation.
- ➔ CME programmes are accredited by Karnataka Medical Council (KMC).

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ Estimation of insulin resistance and its correlation with surrogate clinical markers in freshly diagnosed type 2 diabetes mellitus patient by Dr Anchal Kapoor under the guidance of Dr lakshmaiah 2007- concluded HOMA is a good measure of insulin resistance and correlates with all the parameters of insulin resistance.
- ➔ study on iron deficiency anemia on Glycatedhemoglobin Study by Pawan Wadhawan under the guidance of Dr Raghavendra Prasad 2011 helped us to know the pitfalls in estimation of HbA1C IN anemic patients with Diabetes Mellitus
- ➔ Correlation study in Athero-thrombotic stroke with serum asymmetric dimethyl arginine done by Dr Yeshwanth under guidance of Dr srinivas Rao 2013 which is unique study do in this

part of country which correlates serum ADMA levels with increasing severity of stroke.

- ➔ Correlation between N terminal Pro Brain Naturetic peptides level and Echo cardiograph in assessing left ventricular diastolic dysfunction among Hypertensive patients by Dr Moosa under guidance of Dr Prabhakar 2012 which helps to detect diastolic dysfunction in clinically stable hypertensive patients.
- ➔ Homocysteine levels in acute MI and the first degree relatives done by Dr vasuBabu under guidance Dr lakshmaiah proved hyper Homocysteinemia as a strong and independent risk factor in acute MI patients.
- ➔ Study of clinical presentation and risk factor in patients with spontaneous intracerebral hemorrhage by Dr Patel Shaileshkumar under guidance of Dr P. N. Venkatarathnamma 2010 helped us formulate clinical guidelines to diagnose Intra Cerebral Hemorrhage.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ Large no. of publications(107) with good impact factor.
- ➔ Best Clinical Department of SDUHAER 2014-15.
- ➔ Large no. of critical cases are being managed in MICU.

Weakness:

- ➔ The Dept. needs a full time research assistant to enhance our research activities & publications

Opportunity:

- ➔ To involve national & international agencies towards advanced diabetic research & care.
- ➔ Exclusive geriatric health facilities & Integrative medicine

- ➔ To incorporate the modern teaching techniques.
- ➔ To involve & orient the UG students in research activities.
- ➔ To enhance specialties & offer fellowship programs in diabetes, geriatric medicine, nutrition & gastroenterology.

Challenges:

- ➔ Provision of optimal health care for the underprivileged & rural population as this area is poor & underdeveloped with reducing water resources.
- ➔ Increasing demand for high quality health care under a setting of poor financial resources.
- ➔ Conducting CME's and guest lectures consecutively for the past decade.

52. Future plans of the department.

- ➔ To plan and conduct KAPICON 2017.
- ➔ Fellowship programs in diabetes, geriatric medicine, nutrition & gastroenterology.
- ➔ Strengthen the geriatric health clinic.
- ➔ To encourage UG students in research activities.

Evaluative report of Department of Anaesthesiology

1. **Name of the Department** : Department of Anaesthesiology.
2. **Year of establishment** : April-1988
3. **Is the Department part of a college/Faculty of the university?**
Yes, Faculty of the university
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
 - i) MBBS (Bachelor of Medicine and Bachelor of Surgery)
 - ii) MD(DOCTOR OF MEDICINE) in Anaesthesiology
 - iii) DA (DIPLOMA) in Anaesthesiology.
5. **Interdisciplinary programs and departments involved**

Name of the Course	Departments involved
B.Sc. Operation Theatre Technology	Anatomy Physiology Biochemistry Pharmacology Microbiology Pathology Surgery Anaesthesia.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programs discontinued, if any, with reasons :** Nil.
8. **Examination System:** Annual/Semester/Trimester/Choice Based
Credit System :

- i) MBBS- Annual
- ii) MD / DA Courses – At the end of the course.
- iii) B.Sc. OT Technology – Semester system (6 monthly assessment)

9. Participation of the department in the courses offered by other departments

Department	Course	Activity
Pharmacology	MD	Co-Guide - Guiding PG students for dissertation. PG students are also offered one month rotation Posting in Anaesthesia
Surgery	MS	PG students are offered one month rotation Posting in Anaesthesia
OBG	MS	PG students are offered one month rotation Posting in Anaesthesia
Orthopedics	MS	Co-Guide - Guiding PG students for dissertation. PG students are also offered one month rotation Posting in Anaesthesia

Participation in CPC Meetings and Symposia involving Medicine, Surgery, Pathology, OBG, ENT, Orthopedics, and Pediatrics.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	MCI requirement	Sanctioned by University	Filled	Actual (including CAS & MPS)
Professor	01	03	03	--
Associate Professor/	04	02	02	--

Reader				
Assistant professor	05	05	05	--
Lecturer	--	--	--	--
Tutor / Clinical Instructor	-	-	-	-
Senior Resident	12	11	11	--

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

SL No	Name	Qualification	Designation	Specialization	No. of Years of Experience	Experience as PG Guide
1.	Dr. Dinesh. K	MBBS ,MD	Prof & Head	Anaesthesia	14 years 01 months	8 years
2.	Dr. Ravi. M	MBBS ,DA, DNB, MNA MS.	Professor	Anaesthesia	13yrs 1 months	5 years
3.	Dr. Anand. T Talikoti	MBBS ,MD	Professor	Anaesthesia	8 yrs 3 months	3 years
4.	Dr. Rajanna. K	MBBS ,MD	Associate Professor	Anaesthesia	7yrs 1 months	
5.	Dr. Suresh Kumar. N	MBBS ,MD	Associate Professor	Anaesthesia	4yrs 10 months	
6.	Dr. Kiran. N	MBBS , MD, DA	Assistant Professor	Anaesthesia	4 yrs	
7.	Dr. Sujatha. M P	MBBS ,MD, DNB	Assistant Professor	Anaesthesia	1 yr 11 months	
8.	Dr. Threja. C K	MBBS ,MD	Assistant Professor	Anaesthesia	1 yr 3 months	
9.	Dr. Mohammed Shahid.	MBBS ,MD	Assistant Professor	Anaesthesia	1 yr 4 months	
10.	Dr. Vishnuvardha	MBBS ,MD	Assistant Professor	Anaesthesia	4 Months	

	n. V.					
11.	Dr. Prabhakar. H S	MBBS , MD	Assistant Professor	Anaesthesia	5 Years	
12.	Dr. Srinivas. M	MBBS ,DA	Sr. Resident	Anaesthesia	6 Years	
13.	Dr. Ifthikar Ahmed. K R	MBBS , DA	Sr. Resident	Anaesthesia	6 Years	
14.	Dr. Parameswarappa. N M	MBBS ,DA	Sr. Resident	Anaesthesia	5 Years	
15.	Dr. Mahesh. R L	MBBS ,DA	Sr. Resident	Anaesthesia	4 Years	
16.	Dr. Mohan Chakravarthy. J	MBBS ,DA	Sr. Resident	Anaesthesia	4 Years	
17.	Dr. Satish. H J	MBBS ,DA	Sr. Resident	Anaesthesia	3 Years	
18.	Dr. Srikanth	MBBS ,DA	Sr. Resident	Anaesthesia	3 Years	
19.	Dr. Dhamendra Reddy. B	MBBS ,DA	Sr. Resident	Anaesthesia	3 Years	
20.	Dr. Radhamani	MBBS ,DA	Sr. Resident	Anaesthesia	3 Years	
21.	Dr. Jayaram. R L	MBBS ,DA	Sr. Resident	Anaesthesia	2 Years	
22.	Dr. Srikanth Reddy. P	MBBS ,DNB	Sr. Resident	Anaesthesia	2 Years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

i) MBBS = 25:1

ii) MD = 1:1

iii) DA = 1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	MCI Requirement	Sanctioned	Filled	Actual (including CAS & MPS)
Department Computer Operator/ Clerk	01	01	01	--
OT Technicians	06	04	04	--
Department Attender	01	01	01	--

16. Research thrust areas as recognized by major funding agencies

- i) Evaluation of Newer medications for Attenuation of stress response to Laryngoscopy and intubation.
- ii) Management and outcome of patients presented with organophosphorus and organochlorine poisonings.
- iii) Pain and palliative care.
- iv) Evaluating various additives used for Regional Blocks.
- v) Assessment of Regional Blocks using Nerve stimulator and Ultrasonography.
- vi) Evaluating the usefulness of various Supraglottic airway gadgets.
- vii) Comparison of Newer medications for providing Labour Analgesia

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

- r) **National collaboration** : Nil
 s) **International collaboration** : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Title of the project: ICMR- Evidence Based, Consensus Guidelines for Management of Cardiac Arrest (Cardio Pulmonary Cerebral Resuscitation) in India. Grants – Rupees 38 Lakhs.

20. Research facility / centre with

- ➔ **Sate recognition** : Nil
 ➔ **National recognition** : Nil
 ➔ **International recognition** : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications:

- ➔ Number of papers published in peer reviewed journals (national / international)

Indexed			
PubMed	Scopus	Web of Science	Total
28	17	16	62

- ➔ **Monographs** : Nil
 ➔ **Chapters in Books**

Co-Authored chapter on Respiratory Physiology. Principles of Anaesthesia. Editor- Satish Deshpande 1st Edition 2007 pages 152-180 by Dr. Anand T Talikoti

- ➔ Books edited : Nil
- ➔ Books with ISBN with details of publishers : Nil
- ➔ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- ➔ Scopus - Eight
- ➔ Scopus Citation Index – range / average : 0 – 11
- ➔ SNIP : 0.117-0.897
- ➔ SJR : 0.114-0.337
- ➔ ISI Impact Factor – range / average : 0-0.64
- ➔ h-index : 0.1

Prized Article:

Anand T T, Dinesh K, Deepak V D, Ananya Nanda, Somasekharam P. Comparison of Injection Lignocaine (Preservative free) 1.5 ml/kg IV with Oral Pregabalin 150 mg for attenuation of hemodynamic response to Laryngoscopy and Tracheal intubation. JIMA 2013;111(10):692-96.

23. **Details of patents and income generated** : Nil
24. **Areas of consultancy and income generated** : Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**
 Dr. Dinesh K & Dr. Ravi. M. were sponsored by SDUAHER to undergo BLS & ACLS provider course at St John's Medical College & Hospital Bangalore in the year 2012 conducted by American Heart Association (AHA).
26. **Faculty serving in**
 - a) National committees b) International committees c) Editorial Boards
 - d) any other (specify)
 - i) National Committees - Nil

- ii) International Committees - Nil
- iii) Editorial Boards -Nil
- iv) Any other (specify)
 - a. Dr. Somasekharam P was elected as President, Karnataka chapter ISA (Indian Society of Anesthesiologists) in the year – 2010-11
 - b. Dr. Dinesh K is the Joint Secretary of SDUMC Alumni Association.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- i) Regular CME and Workshops are being conducted by the Department Annually.
- ii) Faculty are encouraged to attend conferences, workshops, CMEs of State, National and International Level.
- iii) Faculty periodically attend UDOME workshops and Training Programs.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects
10 (100%) All MD and Diploma students are involved in short projects
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- **Faculty**
Dr. Somasekharam. P. was the state president for ISA Karnataka chapter for the year 2011-12.
- **Doctoral / post doctoral fellows** : Nil

- **Students**

- Dr. Hamsa PG in Anaesthesiology participated and won the University Throw Ball competition held at Vellore during 2010.
- Dr. Pradeep Kumar, final year Post Graduate won the State level quiz competition held at Mangalore in 2010.
- Four Gold Medals won by Postgraduates of the Department in MD/DA exams during 2013 and 2014. The Post Graduates were Dr. Sindhu B S, Dr. Rakesh B for MD and Dr. Priya, Dr. Puneeth for DA.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Name of Conference/workshop (with date/ month/year)	Source of Funding	Outstanding Participants	Total No. of Delegates
	Annexure Attached with details			

31. Code of ethics for research followed by the departments

- ➔ ICMR Code:- The department follows the ICMR guide lines for performing research on Human subjects and biological Samples and the University has Central ethics Committee constituted as per the Y schedule-Drug and cosmetic Act of ICMR guidelines.
- ➔ The Committee has been recognized and registered with Drug Control General of India with Vide Registration No .ECR/425/ Inst /KA/2013 dated 07thAugust 2013.

32. Student profile program-wise:

Name of the program (refer to question)	Applications received	Year	Selected		Pass percentage	
			Male	Female	Male	Female

no,4)						
MD Anaesthesiology		2007-08	02	00	100 %	-
	1012	2008-09	02	00	100 %	-
	1559	2009-10	01	01	100%	100%
	1050	2010-11	00	03	-	100%
	929	2011-12	03	00	100%	
	1067	2012-13	02	01	100%	100%
	1047	2013-14	01	02	Study period in progress	
	1130	2014-15	01	02	Study period in progress	
DA Anaesthesiology		2007-08	02	02	100%	100%
	1012	2008-09	02	02	100%	100%
	1559	2009-10	02	02	100%	100%
	1050	2010-11	03	01	100%	100%
	929	2011-12	01	03	100%	100%
	1067	2012-13	03	01	100%	100%
	1047	2013-14	03	01	100%	100%
	1130	2014-15	01	03	Study period in progress	

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MD (2007 to till date)	14.28 %	52.17 %	33.55 %	Nil
DA (2007 to till date)	18.75%	43.75%	37.5%	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. :

Nil

35. Student progression

Student Progression	Percentage against enrolled
UG to PG	5%
PG to M.Phil, DM/ M Ch /DNB	<p>MD Anaesthesiology-</p> <p>2007 - 08 = Nil</p> <p>2008 - 09 = 50% for DM Cardiac Anesthesia</p> <p>2009 - 10 = 50% for DM Critical Care</p> <p>2010 - 11 = 33.33% for DM Cardiac Anesthesia, = 33.33% for FNB Critical Care</p> <p>2011 - 12 = 33.33% for FNB Critical Care. = 33.33% for FNB Critical Care.</p> <p>DA ANESTHESIOLOGY –</p> <p>2007 - 08 = 75% for DNB Anesthesia</p> <p>2008 - 09 = 100 % for DNB Anesthesia</p> <p>2009 - 10 = 25% for DNB Anesthesia</p> <p>2010 - 11 = 50% for DNB Anesthesia</p> <p>2011 - 12 = 25% for DNB Anesthesia 25% for critical care fellowship (ISCCM)</p> <p>2012 -13 = 75% for DNB Anesthesia</p>
PG to Ph.D.	Nil
Ph.D. to Post -Doctoral	Nil
Employed	

Campus selection	Not Applicable
Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	13.04%
from other universities within the State	73.92%
from universities from other States	13.04 %
from universities outside the country	0 %

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

m) Library

➔ Department is equipped with Library and has about 150 books.

i) Print journals:-

✓ Indian -IJA

-JOCP

✓ Foreign

- Anaesthesiology & Critical Care

BJA

Anaesthesiology Clinics

ii) Online Journals:-

✓ Anaesthesia

✓ Acta Anaesthesia Scandinavia

✓ Canadian Journal of Anaesthesia

✓ Anaesthesia & Analgesia

✓ BJA

✓ Journal of cardio thoracic & Vascular Anaesthesia

n) Internet facilities for staff and students

Internet, LAN & Wi-Fi facilities are available, Three desktops and also ten Laptops.

o) Total number of class rooms

Two

p) Class rooms with ICT facility and 'smart' class rooms

:One

q) Students' laboratories : One-Center for clinical skill lab.

r) Research laboratories Nil

Department is equipped with training modules such as manikins for CPR training at the central for Clinical Skills and Simulations of SDUAHER.

Department is equipped with museum being maintained by Curator Dr. Kiran N, Assistant Professor

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : Nil

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

All Post Graduates receive monthly stipend as financial assistance from the university

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes,

The Department has initiated the start of B.Sc. OT Technology course. There was lack of qualified OT Technicians to assist the Anesthesiologists and as well the Surgeons in the operation theaters. A feedback was obtained from our faculty from monthly conducted faculty meetings and then a curriculum was planned which was forwarded to the Department of

Allied Health Sciences of the University. The University with its Academic Body took a decision to start the course.

42. Does the department obtain feedback from

- v. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. the feedback from the faculty is taken during the monthly faculty meetings. After analysis, the same is forwarded to the Board of Studies which in turn forwards it to Academic Council and the changes are finally incorporated into the curriculum

- w. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. the feedback from the students is taken regularly and the same is put up during the monthly faculty & Curriculum Meetings. The feedback is submitted to the Director of Academics and a copy of same is maintained in the department.

- x. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback obtained from Alumni after sending a questionnaire on email regarding their course in this institution, the strengths and weaknesses of the department and areas where we can improve upon. The feedback was discussed in monthly department meeting and feasible suggestions were incorporated.

43. List the distinguished alumni of the department (maximum 10)

Dr. Vinod Chinnappa	Serving as consultant Anesthesiologist in NHS Canada
Dr. Harigopal K S	Serving as consultant Anesthesiologist in Dublin Ireland
Dr. Raghunandha	Completed FRCA from UK presently Director for Jeevika Hospital Bangalore

Dr. Vijay Kumar	Completed fellowship in ICU from AMC & presently serving as Director for Jeevika Hospital Bangalore
Dr. Yuvraj	Chief Cardiac Anesthesiologist, Mallya Hospitals Bangalore
Dr. Dinesh K	Professor & Head, Department of Anaesthesiology, SDUAHER, Kolar

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ Regular Annual CME's and workshops conducted with external members as faculty.
- ➔ Discussing interesting cases admitted in the ICU involving all the treating Doctors once in every two weeks.
- ➔ Post graduate orientation program for newly joined postgraduates.
- ➔ Students regularly attend guest lectures by external experts organized by the University.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- ➔ Seminars
- ➔ Journal clubs
- ➔ Practical demonstrations
- ➔ Use of Manikins
- ➔ Case presentations
- ➔ Evidence based medicine – article.
- ➔ Pedagogue

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Meeting programme objectives:

- a) Teaching schedule: next month's schedule in advance. Previous month's compliance reports
- b) Log books reviewed.
- c) Dissertation reviews- 3 monthly in department, 6 monthly in university.

Monitoring learning outcomes:

Post graduates

- a) Theory internal assessment exam every 6 months.
- b) Clinical internal assessment exam every 6 months.

47. Highlight the participation of students and faculty in extension activities.

- ➔ Students and staffs regularly participate in exhibition, sports, Cultural activities, conducted by the university.
- ➔ Dr. Dinesh K, is the Joint Secretary of the Alumni Association of SDUMC and involved in conduct of Annual Doctor's Day and Teachers Day
- ➔ The entire department regularly involves itself in "Swachha Bharath" Campaign by regular cleaning activities of the Department.
- ➔ Participation in World Anesthesia Day to create awareness regarding safe Anaesthesia practices by conducting scientific lectures and also participating in National Science Day.

48. Give details of "beyond syllabus scholarly activities" of the department.

Actively Participated as resource Personnel for DEMEDCON held at SDUMC in 2013-14, 2014-15 conducted CPR Workshop for UG students and trained about 150 students.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes,

- ➔ Anesthesia Department was awarded with ISO certification in the year 2006 and also been accredited by NAAC in 2006.
- ➔ Annual CMEs conducted by the department are accredited by Karnataka Medical Council (KMC) and awarded credit hours to the delegates and faculty.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ Newer drugs like Gabapantine and Pregabalin have been evaluated for attenuation of stress response to laryngoscopy and intubation. These drugs have also been evaluated for their analgesic properties and the effective doses for these have been formulated.
- ➔ Alpha 2 agonists like Dexmedetomidine and clonidine have been used as adjuvants with local Anaesthetics for prolonging the duration of analgesia in regional anaesthesia and blocks.
- ➔ Airway management with newer devices like Airtrac and other Supraglottic Airway devices are used and compared with conventional techniques and its efficiency evaluated for management of Airway.
- ➔ Regional blocks like Fascia-iliaca compartment block has been studied and used for pain relief in the trauma patients before surgeries.
- ➔ Newer modes of ventilation and Ventilator Associated Pneumonia(VAP) bundles have been inculcated for patient care and its usefulness evaluated

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ Dedicated Anaesthesia staff always eager to learn and improve patient Care.
- ➔ Providing state of art Critical Care services for the needy
- ➔ Educating Medical students and Paramedics regarding Resuscitation by conducting Basic & Advance life support Workshops regularly. The department has trained about 500 interns and 100 paramedical staff in Resuscitation.
- ➔ Conducting Regular Annual State Level CME's and Workshops for updating knowledge.

Weakness:

- ➔ Minimal exposure to Therapeutic procedures for treating patients with chronic pain.

Opportunity:

- ➔ To improve pain management facilities at R.L.J.H
- ➔ To introduce objective structured clinical evaluation system for examining Post Graduates
- ➔ To improve obstetric Anaesthetic facilities including Labor Analgesia.

Challenges:

- ➔ To do quality Research and publish in journals with high impact factor
- ➔ To initiate fellowship programs in Critical Care and Pain management
- ➔ To conduct National level Anaesthesia Workshops and Conferences

52. Future plans of the department.

- ➔ To encourage Anesthesiologists to enroll for Ph.D. programs
- ➔ To Cater Anaesthesia services for Super specialty Departments like Cardiac, Vascular, Bariatric and Transplant surgeries.
- ➔ To expand the number of State of Art Operation Theaters to meet the increasing number of various surgical procedures.

Evaluative Report of Department of Dermatology

1. **Name of the Department** : Dermatology, Venereology & Leprosy
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Yes, the department is part of faculty of the University.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
vi) MBBS
B) PG Program
v) MD, Diploma
5. **Interdisciplinary programs and departments involved**
Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**

MBBS	-	Annual
MD Dermatology	-	At the end of course
Diploma Dermatology	-	At the end of the course
9. **Participation of the department in the courses offered by other departments**

Department	Course	Activity
General Medicine	MD	Compulsory rotatory posting Clinico-pathological meeting Interdepartmental PG symposium
Pathology	MD	Clinico-pathological meeting Interdepartmental PG symposium Co- guide for PG dissertation
Microbiology	MD	Interdepartmental PG symposium

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned as per MCI regulation *	Available	Actual (including CAS & MPS)
Professor	01	01	
Associate Professor/ Reader	01	Nil	
Assistant Professor/ Lecturer	01	01	
Tutor/Registrar/ Senior Resident	02	02	
Total	05	04	

**11. Faculty profile with name, qualification, designation, area of
specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of MD students guided for the last 4 years
Dr.Rajashekar.T.S	MBBS,MD	Professor& HOD	Dermatology, Venereology, Leprology	13years, 1months, (including 2 years as junior resident	04
Dr.Rajesh.G	MBBS,M	Assistant	Dermatology,	6 years 5 months	NIL

	D	Professor	Venereology, Leprology	(including 2 years as junior resident	
Dr.Sathish.S	MBBS,M D	Senior resident/ lecturer	Dermatology, Venereology, Leprology	3years 2 months (including 2 years as junior resident	NIL
Dr.Suresh Kumar.K	MBBS, MD	Senior Resident	Dermatology, Venereology, Leprology	2 years as Junior Resident	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

Programme	Student-teacher ratio
M.B.B.S	25:1
M.D	2:1
Diploma	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No	Designation	Sanctioned	Filled
1	Academic support staff	02	02
2	Administrative staff	01	01

16. Research thrust areas as recognized by major funding agencies

- ➔ Contact dermatitis,
- ➔ Pigmentary dermatoses
- ➔ Diaper area dermatoses

➔ Genetic of psoriasis and vitiligo

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Sl. no	Title of the project with name of the principal investigator	Sanctioned by whom	Duration of project	Grants (Amount in Rs)
1	Evaluation of polymorphism in TNF α & CARD 14 genes in psoriasis. Co-Investigator: Dr.Rajesh. G	SDUAHER	2 years	50,000/-

18. **Inter-institutional collaborative projects and associated grants received**

- t) National collaboration : Nil
u) International collaboration : Nil

19. **Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

No grants received from the above said fund agencies.

20. **Research facility / centre with**

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

21. **Special research laboratories sponsored by / created by industry or corporate bodies :**

Genomic and central research laboratory, Hospital Central Laboratory, Imaging laboratory

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)
- * International : 8
- * National : 32
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : 27
- * Citation Index – range / average : 1-30
- * SNIP : 0.073-1.302
- * SJR : 0.06-0.551
- * Impact Factor – range / average : 0-1.32
- * h-index : 1.4

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
- d) any other (specify)

- a) National Committee : Nil
- b) International Committee : Nil
- c) Editorial Board : Nil

IJHIMR (International Journal of Health Information and Medical Research.) Dr. Raghavendra B. N.

- d) Any other

Dr. Rajashekar T. S. – Reviewer of Journal of Oral and Maxillofacial Pathology

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ State/Zonal/National/International Dermatological conferences /CME/Workshop.
- ➔ Cosmetology and dermatosurgery training.
- ➔ Medical education training workshop
- ➔ Research Methodology workshop
- ➔ Evidence based medicine workshop
- ➔ Orientation workshop in mentorship of Medical students.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : 75%
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : NIL

29. Awards / recognitions received at the national and international level by

- Faculty

Sr. No.	Title of the Prize / Award	Faculty Name & Designation	Awarding Authority	Venue where awarded	Date/ year of Award
1	2 nd best Case report	Dr. Rajesh. G	ISPD National conference	Kolkata	Nov 14 th to 16 th 2014

- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl.No.	National research seminars	Theme	Date	Eminent Personalities / Outstanding participants
1	CME	Current trends in Leprosy	11 th Sep. 2008	Dr.K.Ravindra Dr.Bhanuprakash Dr.Nagaraja
2	CME	Hirsutism current perspectives	25 th Aug. 2009	Dr.Mala Dharma Lingam
3	CME	Update in Leprosy	31 st Jan. 2011	Dr.N.Uma Shankar
4	CME	Insight to Leprosy	30 th Jan. 2013	Dr.K.Hanumanthayya Dr.Prathima K.M
5	CME	Paediatric Dermatology	20 th Aug. 2014	Dr.Shivkumar V
6	CME	Observation of World Leprosy Day	30 th Jan. 2015	Dr.Pushpa

31. Code of ethics for research followed by the departments

Yes, as per ICMR code of ethics for biomedical research on human subject, schedule “Y” of drugs and cosmetics act.

32. Student profile program-wise:

Name of the Program	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.D. Degree 2007	--	--	01	--	100
2008	--	01	--		--
2009	--	01	--	100	--
2010	--	02	--	50	--
2011	--	--	02	--	100
2012	--	--	02	00	100
2013	--	--	02	Pursuing	
2014	--	--	02	Pursuing	
2015	--	--	02	Pursuing	
Diploma 2010	--	--	01	--	100
2011	--	--	01	--	100
2012	--	--	01	--	100
2013	--	--	01	--	100
2014	--	01	--	Pursuing	
2015	--	--	01	Pursuing	

33. Diversity of students

Year	Name of the program	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
2007	M.D	-	100	-	-
2008	M.D	-	-	100	-
2009	M.D	-	-	100	-
2010	M.D	-	50	50	-

2011	M.D	-	100	-	-
2012	M.D	-	100	-	-
2013	M.D	-	100	-	-
2014	M.D	-	50	50	-
2007	Diploma	-	-	-	-
2008	Diploma	-	-	-	-
2009	Diploma	-	-	-	-
2010	Diploma	-	100	-	-
2011	Diploma	-	100	-	-
2012	Diploma	-	-	100	-
2013	Diploma	-	100	-	-
2014	Diploma	-	100	-	-
2015	M.D.	-	50	50	
2015	Diploma	-	--	100	

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil**

35. **Student progression**

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil, DM / M Ch / DNB	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	Nil
• Campus selection	
• Other than campus recruitment	Nil
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	2 (50%)
from universities from other States	2 (50%)
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**38. Present details of departmental infrastructural facilities with regard to****a) Library**

➔ Total books: 134

➔ Journals: 02(Print) –IADVL, IJD.

➔ Journals available on HELINET consortium, Science Direct, LWW-37 journals

b) Internet facilities for staff and students

Available LAN, 6 laptops, 2 Desktops, 1 Printer

c) Total number of class rooms

1.

d) Class rooms with ICT facility and ‘smart’ class rooms

1 (01 LCD projector and LAN).

e) Students’ laboratories

01 side laboratory for postgraduate students.

f) Research laboratories**39. List of doctoral, post-doctoral students and Research Associates**

a) from the host institution/university : Nil

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

Post graduate students are getting financial assistance in the form of monthly stipend from the university.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No

42. Does the department obtain feedback from

y. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the feedback will be taken from faculty during monthly faculty development meeting, the inputs are analysed and the same is forwarded to academic council for incorporation in the curriculum.

z. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, at the end of the course, feedback is taken from the students which are analyzed and presented in the departmental meeting and will be utilized to promote continuous improvement in view of recent advances. In light of the feedback, changes are made for future batches.

aa. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback will be utilized to promote & improve up on dermatosurgical and cosmetological procedures.

43. List the distinguished alumni of the department (maximum 10)

- i) Dr.Harish M.R- Professor & Head of the department, Mandya Institute of Medical Sciences
- ii) Dr.Chandra Naik- Practicing Internal medicine at New York, USA.
- iii) Dr.Nayeem Sadhath Haneef- Professor at Kamineni Medical College, Telangana.
- iv) Dr.Rajashekar.T.S- Professor and Head of the department, Sri Devaraj Urs Medical College, Kolar

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ Post graduate students participate regularly in Seminars/CME/Workshops
 - ➔ Research methodology workshop
 - ➔ Post graduate orientation programs
 - ➔ Clinicopathological conference
- External experts are involved as and when needed.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Undergraduate:	Postgraduate:
<ul style="list-style-type: none"> • Lectures, • Clinical Case discussion, • Demonstrations, • Student seminar 	<ul style="list-style-type: none"> • Journal Clubs • Subject seminars • Pedagogy • Spotter discussion • Clinical case presentations • Case based discussion • (Interdepartmental)

	<ul style="list-style-type: none"> • Hands on training in • dermato-surgery & cosmetological procedures
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46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Under graduate	Post graduate
Clinical Internal Assessments	Objective evaluation of seminar, journal club and case presentation done by post graduate students
Viva-Voce	Regular student feedback
Regular student feedback	Periodic internal assessment examination (Theory and Clinical)
	Observing and reporting non-academic performance of post-graduate and under-graduate students
	Periodic review of dissertation once in 3 months
	Log book evaluation once in a week

47. Highlight the participation of students and faculty in extension activities.

- ➔ Students and faculty participate in “Swachh Bharat Abhiyan”
- ➔ Mega Health camps
- ➔ School health camps

- ➔ Participation in observation of important days like- World leprosy day, World HIV day.

48. Give details of “beyond syllabus scholarly activities” of the department.

The department is actively involved in training District Medical Officers and health workers in management of sexually transmitted diseases in association with District Training Centre Kolar.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- ➔ Yes, accredited by NAAC-2006
- ➔ ISO 9001:2000.
- ➔ CME programs of the department are accredited with one to two credit hours by KMC (Karnataka Medical Council) accreditation committee.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ A study on “Etiological agent of foot intertrigo” revealed bacteria as the most common etiological agent rather than candidal species.
- ➔ A study on “Early onset male androgenetic alopecia and cardiovascular risk factors” showed that androgenetic alopecia can predict the occurrence of cardiovascular risk factors much earlier in Indian males when compared to western counterparts.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- i) Running speciality clinics. (Contact dermatitis & Pigmentary clinic)
- ii) Tertiary centre for management of dermatological emergencies
- iii) Well qualified faculty with good communication skills among staff.
- iv) Well-planned teaching learning activities.
- v) Good Infrastructure

Weakness:

- i) Lack of LASER equipment.
- ii) Lack of facilities for Immunofluorescence studies.

Opportunity:

- i) Research in various fields of Dermatology, Venereology and leprosy
- ii) Utilization of Genomic and central research laboratory for research in Genodermatoses.
- iii) Incentive for scientific
- iv) publications, Conferences/CME

Challenges:

- i) Starting cosmetology and dermatosurgery fellowships
- ii) Creating awareness regarding the importance of first consultation with a dermatologist regarding skin disorders among the rural population.
- iii) Disseminating information about the availability of various Aesthetic procedures among general public

52. Future plans of the department.

- i) To provide Laser therapy in the department.
- ii) To start Pediatric dermatology clinic.

Evaluative Report of the Department of Radio-Diagnosis

1. **Name of the department** - RADIO-DIAGNOSIS
2. **Year of establishment** - 1988
3. **Is the department part of a college/Faculty of the university?** -
Department is part of faculty of the university.
4. **Names of programs offered (UG, PG, PharmaD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
 1. MBBS
 2. MD (PG degree)
 3. DMRD (PG diploma)
 4. Ph.D
 5. B.Sc Imaging Technology
5. **Interdisciplinary programs and departments involved**
B.Sc Imaging Technology and Ph.D along with Department of Allied Health Sciences.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. –**
None
7. **Details of programs discontinued, if any, with reasons-** Nil
8. **Examination System: Annual/Semesters/Trimester/Choice Based Credit System.**
➔ The summative assessment is as follows:

MBBS	- annual assessment
PG Master Degree (MD)	- at the end of three years
PG Diploma (DMRD)	- at the end of two years
B.Sc Imaging Technology	- at the end of each semester

9. Participation of the department in the courses offered by other departments.

Department	Course	Activity
Medicine, Orthopaedics, Ophthalmology and OBG	MD, MS	Faculty members of the department of Radio-diagnosis are co-guides where dissertations have Radiology as an important component
Surgery, Orthopaedics and OBG	MD, MS, PG Diploma	PG students are posted to department of Radio-Diagnosis to learn applications of various imaging modalities
Pathology	MD	Clinico Pathological Conference (CPC)
Multiple departments (depending upon the topic of discussion)	MD, PG Diploma	Interdepartmental PG Symposium
Medicine, Surgery, OBG, Orthopaedics, Paediatrics, ENT, Ophthalmology, Anaesthesia, Pathology, Microbiology, Pharmacology and Radio-Diagnosis	MD, PG Diploma	Mortality Meeting
Medicine, Surgery, Orthopaedics, Paediatrics, ENT and OBG	MD, MS, PG Diploma	Seminars related to Radiology

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	MCI required	Filled	Actual (including CAS & MPS)
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Professor	1	4	4
Associate Professor	2	1	1
Assistant Professor	2	2	2
Sr. Resident/Lecturer	6	4	4
Jr. Resident	16	16	16

* The sanctioned posts of the University are 20% more than those required by MCI.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Teaching Experience	PG guide for
Dr. Purnima Hegde	MBBS, MD	Prof. & HOD	Radio-diagnosis	36 years	18 years
Dr. Rache Gowda .N	MBBS, MD, DMRD	Professor	Radio-diagnosis	23 yrs	4 years
Dr. V. Pattabhiraman	MBBS, MD, DMR	Professor	Radio-diagnosis	42 years	18 years
Dr. Anil Kumar Sakalecha	MBBS, MD	Professor	Radio-diagnosis	15 years	5 years
Dr. A Nabakumar Singh	MBBS, DMRD, MD	Assoc. Professor	Radio-diagnosis	9 years	-
Dr. Naveen G. Naik	MBBS, DNB	Asst. Professor	Radio-diagnosis	3 years	-
Dr. Kuku Mariam Suresh	MBBS, MD	Asst. Professor	Radio-diagnosis	4 years	-
Dr. Vinay K K	MBBS, MD	Sr. Resident / Lecturer	Radio-diagnosis	4 years	-
Dr. Srikanth	MBBS, DMRD, DNB	Sr. Resident	Radio-diagnosis	10 years	-
Dr. Anilkumar T R	MBBS	Sr. Resident	Radio-diagnosis	3 years	-
Dr. Rajeswari	MBBS, MD	Sr. Resident	Radio-diagnosis	8 years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- a) Dr. Puranchander Shetty, Vascular and Interventional Radiologist, Michigan State University, Michigan, USA.

13. Percentage of classes taken by temporary faculty-program-wise information

Nil

14. Program-wise Student Teacher Ratio

- MBBS 25:1
- PG Master Degree (MD) 1:1
- PG Diploma (DMRD) 1:1
- BSc Imaging Technology 2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
MRI Technicians	2	2	2
CT Technicians	5	3	3
X-ray Technicians	5	4	4
Clerk/Asst. Computer Operator	5	5	5
Staff nurse	2	2	2

16. Research thrust areas recognized by major funding agencies.

- ➔ Foetal Medicine
- ➔ Musculoskeletal Imaging
- ➔ Imaging in oncology
- ➔ Neuro and spinal imaging
- ➔ Imaging in trauma
- ➔ Radiation protection
- ➔ Cross sectional body imaging

17. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give

the names of the funding agencies, project title and grants received project-wise.

“Pattern of traumatic brain injury and its sequelae in patients utilizing services at Medical College Hospital in Kolar” – University Funding.
Dr. Purnima Hegde is a co-investigator.

18. Inter-institutional collaborative projects and associated grants received

- Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Project title: “An evaluation by MRI, Computed Tomography and Serology in the diagnosis of Neurocysticercosis” was funded by SDUAHER with principal investigator being Dr. Umesh Krishnamurthy & Co-investigators Dr. S.R. Prasad and Dr. Komal Chamaria. The project was funded by the Institution. The project is completed and paper has been published.

20. Research facility / centre with

- **State recognition**
- **National recognition**
- **International recognition**

The department has state-of-the-art imaging lab consisting of modern imaging modalities including MRI and CT.

21. Special research laboratories sponsored by / created by industry or corporate bodies.

- Nil

22. Publications :

- ➔ Number of papers published in peer reviewed journals :32
- ➔ National : 23
- ➔ International : 09
- ➔ Scopus : 03
- ➔ Pub Med : 09
- ➔ Web of Science : 04
- ➔ ISI Impact factor : 0-1.535
- ➔ Citation index : 0-1
- ➔ SJR : 0.202-0.63
- ➔ SNIP : 0.349-0.969

23. Details of patents and income generated Nil.

24. Areas of consultancy and income generated

CT, MRI and other Radiological services with expert opinion for medical establishments in surrounding areas. Income generated is about INR 12 lakhs per annum.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad.

- ➔ Dr. Purnima Hegde participated in the International conference of Radiology Society of North America at Chicago in Nov 2008.

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
- d) any other (specify),

- ➔ Dr. Umesh Krishnamurthy Prof. & HOD (2007-11) served as joint secretary in the Indian Radiology & Imaging Association (IRIA).

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Staff members are encouraged to present papers at state, national and international conferences/CMEs – The University provides funds for such activities.
- ➔ Faculty members are trained in various aspects of teaching and research by the University Department of Medical Education –
 - Workshop on preparing MCQs
 - Workshop on Research Methodology
 - Workshop on mentoring the mentor

28. Student projects

- ➔ **Percentage of students who have taken up in-house projects including inter-departmental projects**—All MD students undertake dissertation as part of their curriculum.
- ➔ About 50% of postgraduate students take up research projects other than their dissertations.
- ➔ Percentage of students doing projects in collaboration with other universities / industry / institute – Nil

29. Awards / recognitions received at the national and international level by

- Faculty – Dr. Umesh Krishnamurthy was awarded best secretary of state branch at National conference of Indian Radiology & Imaging Association

30. Seminars / Conferences / Workshops organized and the source of funding (National / International) with details of outstanding participants, if any

Activity	Year	Outstanding participants	Funding
----------	------	--------------------------	---------

State level annual conference	2010	Dr. Srinivasa Babu, Prof of Radiology	Registration and university support
CME on MRI	2012	Dr. Radesh, Dr. Uday Patil, Senior Radiologists	Registration and university support
CME on Endocrinology	2013	Dr. Kollur, Nuclear Medicine Specialist, Bangalore Dr. Sanjay Vishwamitra, Sri Sathya Sai Hospital	Registration and university support
CME on Interventional Radiology	2014	Dr. H R Aravinda, Assoc. Prof, NIMHANS	Registration and university support
World Roentgen Day	8 th Nov since 2012		
Workshop on Uterine Artery Embolization	Feb 2015	Dr. Puranchander Shetty, Vascular and Interventional Radiologist, Michigan	University support
CME – Emergency Radiology	21 st August 2015	Resource persons <ul style="list-style-type: none"> • Dr. Mahesh • Dr. Anand 	Registration and University Report

31. Code of ethics for research followed by the departments

- ICMR code of ethics is followed

32. Students profile program-wise :

Name of the program (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MD (RadioDiagnosis)					
2007		1	-	100%	
2008	1012		1	100%	100%
2009	1559	1	1	100%	100%
2010	1050	3	1	100%	100%
2011	929	2	2	100%	100%
2012	1067	4	-	100%	-
2013	1047	2	2		
2014	1130	3	1		
2015	-	1	3		
DMRD					
2007		2	-	100%	
2008	1012	2	-	100%	
2009	1559	2	-	100%	
2010	1050	2	-	100%	
2011	929	1	1	100%	100%
2012	1067	1	1	100%	100%
2013	1047	1	1	100%	100%
2014	1130	1	1		
2015	-	1	1	-	-

33. Diversity of students

Name of the program (refer to question no.4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
PG Degree	8.4%	50%	33.3%	8.4%
PG Diploma	25%	25%	50%	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

- Dr. Bhargav Pandya of DMRD 2011 batch has written USMLE and is awaiting results.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	12.5%
PG to M.Phil, DM / M Ch/ DNB	Nil
PG to Ph.D	Nil
Ph.D.to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	-- 70%
Entrepreneurs	30%

36. Diversity of staff

UG	
from the same university	0
from other universities within the State	75%
from universities from other State	25%
from universities outside the country	--

PG	
from the same university	0
from other universities within the State	50%
from universities from other State	50%
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., DM, M, Ch, Ph.D., D.Sc. and D.Litt. during the assessment period.

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library:

- Departmental library

It has 159 books

12 e-journals related to Radiology

b) Internet facilities for staff and students

- There are 14 computers and 5 laptops for both staff and students
- All the systems are connected through LAN with internet facility and 2 Wi-Fi routers.

- c) Total number of class rooms—4.
- d) Class rooms with ICT facility and ‘smart’ class rooms: Yes.
Centralized smart class room facilities available.
- e) Students’ laboratories: Museum has more than 900 X-ray, CT & MRI case studies in addition to various other exhibits.
- f) Research laboratories: Two dedicated workstations are available for patient care, education and research.

39. List of doctoral, post-doctoral students and Research Associates

From the host institution / university – Mr. Sivarajan – Ph.D student.

40. Number of post graduate students getting financial assistance from the university

- ➔ All Post graduate students are given financial assistance in the form of monthly stipend.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

B.Sc in Imaging Technology:

- ➔ The B.Sc programme was started to meet the shortage of staff and also to provide education and occupational opportunities to young people of surrounding areas.
- ➔ Before the development of the new programme it was discussed within the department in presence of all faculty members. Need and justification was then discussed at the Board of Studies meeting and finally in the Academic Council.

42. Does the department obtain feedback form:

- a. Faculty on curriculum as well as teaching-learning-evaluation and how does the department utilize the feedback?

All teaching activities are evaluated at departmental faculty meetings. Inputs are then discussed at the Board of Studies and suitable changes are presented at the Academic Council.

- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback from students regarding each faculty member is collected. The performance of the faculty member is then assessed by the head of the department.

- c. Alumni and employers on the programs offered and how does the department utilize the feedback?

The department collects feedback and makes suitable alteration in teaching methodologies, patient care and research activities.

43. List the distinguished alumni of the department (maximum 10)

- ➔ Dr. Aravinda H R is currently Associate professor at NIMHANS, Bangalore. He is actively involved in Neuro & Interventional Radiology.
- ➔ Dr. Bharath Reddy P is currently Assistant Professor at Mallareddy Medical College, Hyderabad
- ➔ Dr. Sindhoori Komma is currently Senior Resident at Rajiv Gandhi Institute of Medical Sciences, Kadapa

44. Give details of student enrichment programs (special lectures / workshop / seminar) involving external experts.

- ➔ Orientation program.
- ➔ Research methodology program
- ➔ Microteaching program
- ➔ Annual CMEs on various topics are conducted. Senior teachers of state and national repute participate
- ➔ Various guest lectures are organized regularly (including on World Roentgen Day).

- ➔ Annual State level Conference of Radiology Association conducted at various centres in Karnataka. Students are expected to attend the conference and present papers and posters.
- ➔ Annual conference of Indian Radiology & Imaging Association conducted at various cities in India. Students are expected to attend the conference and present papers and posters.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

UG Teaching (MBBS):

1. Lectures
2. Practical demonstration

PG Teaching:

1. Seminars
2. Journal clubs
3. Web based case discussion
4. Evaluation and analysis of departmental cases.
5. Microteaching/ Pedagogy

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

1. Objective assessment of each postgraduate student's presentation of seminar, journal club, etc by faculty members.
2. Periodic evaluation of log books by concerned faculty member.
3. Annual internal evaluation.
4. Workplace based assessment.

47. Highlight the participation of students and faculty in extension activities.

- Students and faculty participate in medical camps conducted by the institution.
- Students and faculty participate in medical exhibitions conducted by the institution
- Students and faculty participate in Swachh Bharath programme, which is a socially-driven national initiative

48. Give details of “beyond syllabus scholarly activities” of the department.

- Students are encouraged to attend monthly scientific programmes conducted by the state chapter of Indian Radiology & Imaging Association.
- Students are encouraged to attend various Resident Education programmes

49. State whether the program / department is accredited / graded by other agencies? If yes, give details.

- The department as part of the hospital and college has been evaluated and accredited by ISO 9001:2000 & NAAC in 2006.
- AERB accreditation for quality assessment of X-ray and CT machines.
- CMEs conducted are accredited by Karnataka Medical Council (KMC) and participants are provided with credit hours for their participation.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Project comparing existing and low-dose CT protocol for evaluation of paranasal sinuses showed that low-dose CT can be utilized without any loss in diagnostic accuracy.
- Project comparing sensitivity of CT and MRI in diagnosing neurocysticercosis did not show significant difference between the two modalities.
- Project comparing anthropometry, BMI and CT scan demonstrated that CT scan could be used as an independent risk marker for cardiovascular disease.

51. Detail five major Strengths, Weakness, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. Department has more than the required professors, thus strengthening the teaching and learning activities.

2. State-of-the art diagnostic imaging equipments, which are of benefit not only to the hospital departments, but also to medical centres in Kolar and surrounding districts of Karnataka, Tamil Nadu and Andhra Pradesh.
3. Department of Radio-diagnosis is a service department providing support to almost all departments. It also provides diagnostic imaging services in research activities of other departments.
4. Regular teaching programme.
5. Department is encouraged and supported by the university and management in conducting conferences, CME's and Workshops.

Weakness:

The faculty and students need to be more active in research and publications.

Opportunities:

To provide excellent diagnostic services to the community, thus reducing need for patients to go to cities.

Challenges:

Attrition of technical and support staff

Difficulty in obtaining funding for research projects

52. Future plans of the department.

- The department plans to establish Interventional Radiology.
- There is a plan to acquire an advanced ultrasound machine with elastography capabilities, which will help in patient care and also greatly enhance research activities.

Evaluative Report of the Department of Genral Surgery

1. Name of the Department : General Surgery

2. Year of establishment : 1988

3. Is the Department part of a college/faculty of the university?

Yes, the Department is faculty of the university

4. Names of programs offered (UG, PG, Pharm.D, Integrated Masters; M.Phil., Ph.D.,

Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

Under Graduate-	Post Graduate
MBBS	-MS (GENERAL SURGERY)

5. Interdisciplinary programs and departments involved

Program	Department
B.Sc. Operation theatre technology (O.T).	Department of Allied health science

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

-Nil

7. Details of programs discontinued, if any, with reasons

-Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Under Graduate	Post Graduate
Annual	At the end of course (3years)

9) Participation of the department in the courses offered by other departments

Undergraduates

Department.	Course	Activity
Anatomy	M.B.B.S	Case discussion with clinical modules

Postgraduates

Anatomy	M.S	- Interdepartmental Continuing Medical Education(CME) program. - Rotational postings of 1 st year PGs
Pathology	M.D	- Clinico-pathological conference - Central mortality meet - Co-guide for dissertations of PG students - Rotational postings of 1 st year PGs
Microbiology	M.D	Co guide for dissertation of PG students
Radiology	M.D	- Interdepartmental teaching program - Rotation postings during 1st yr
Anaesthesia	M.D	- Rotation postings during 2nd yr - ICU mortality meet - Central mortality meet
ENT	M.S	- Live workshop - Inter departmental case discussion/symposium
Medicine	M.D	- CPC Program - Interdepartmental Clinical case discussion - Central mortality meet
Orthopaedics	M.S	- Interdepartmental teaching program - Central mortality meet - Rotational postings of 2nd year PGs

10. Number of teaching posts sanctioned, filled and actual**(professors/Associate Professors/Asst.**

Professors/Others)

	Sanctioned	MCI requirements	Filled	Actual (including CAS & MPS)
Professors	01	01	04	04
Associate Professors/Reader	06	05	02	02
Asst. Professors	11	06	09	09
Lecturer	-	-	-	-
Tutor/Clinical Instructor	-	-	-	-
Senior Resident	09	09	07	07

Sanctioned posts of the university are 20% more than MCI requirements, irrespective of the cadres

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	Guide since	Experience as Guide in years
1	Dr.Mohan Kumar.K.	MBBS, MS.	Prof.&HOD	General Surgery	25 Years	1996	19
2	Dr.A.Bhaskaran	MBBS, MS.	Professor	General Surgery	24 Years	1996	19
3	Dr.Sreeramulu. P.N	MBBS, MS.	Professor	General Surgery	17 Years	2004	11
4	Dr.K.Krishna Prasad	MBBS, DNB	Professor	General Surgery	20 Years	2004	11
5	Dr.Shashirekha.C.A.	MBBS, MS.	Assoc. Prof.	General Surgery	7 Years	2014	01
6	Dr.Prakash Dave	MBBS, MS, DNB, MNAMS.	Assoc. Prof.	General Surgery	7 Years	--	--
7	Dr.Asadulla Beig	MBBS, MS.	Asst. Prof.	General Surgery	3 Years	--	--
8	Dr.Pavan.B.K.	MBBS, MS.	Asst. Prof.	General Surgery	2 Years	--	--
9	Dr.Gaurav Prasad	MBBS, MS.	Asst. Prof.	General Surgery	2 Years	--	--
10	Dr.D.Srinivasan	MBBS, MS.	Asst. Prof.	General Surgery	2 years	--	--
11	Dr.Pramod.T.	MBBS, MS.	Asst. Prof.	General Surgery	3 Years	--	--
12	Dr.Vikranth Suresh	MBBS, MS.	Asst. Prof.	General	3 Years	--	--

	Nandurkar			Surgery			
13	Dr.Sudhamshureddy.E	MBBS, MS.	Asst. Prof.	General Surgery	1 year	--	--
14	Dr.Arun Manche Gowda	MBBS, MS.	Asst. Prof.	General Surgery	1 year	--	--
15	Dr.MaheshKumar.B.R	MBBS, MS.	Asst. Prof.	General Surgery	2 years	--	--
16	Dr.Balaji.Y.	MBBS, MS.	Sr. Resident	General Surgery	7 Years	--	--
17	Dr.Venugopal.K.N.	MBBS, MS.	Sr. Resident	General Surgery	7 Years	--	--
18	Dr.Naveen.T.K.	MBBS, MS.	Sr. Resident	General Surgery	5 Years	--	==
19	Dr.Sathish Kumar.B.V.	MBBS, MS.	Sr. Resident	General Surgery	2 years	--	--
20	Dr.Nikhil Kumar.K.Oswal	MBBS, DNB.	Sr. Resident	General Surgery	1 year	--	--
21	Dr.Somyaa Khuller	MBBS, DNB.	Sr. Resident	General Surgery	1 year	--	--
22	Dr.P.Anubala	MBBS, MS.	Sr. Resident	General Surgery	1 year	--	--

12. List of senior visiting Fellows, adjunct faculty emeritus professors

–Nil

13. Percentage of classes taken by temporary faculty – program wise information

– Nil

14. . Program-wise Student Teacher Ratio :

Under Graduate	Post Graduate
25:1	1:1

**15. Number of academic support staff (technical) and administrative staff:
sanctioned, filled and actual**

Sl. No	Name of the department and designation	Required	Available	Shortage
--------	--	----------	-----------	----------

1	Technical Asst/ Technician	3	3	-
2	Laboratory Attenders	4	1	3
3	Store Keeper	1	-	1
4	Steno- Typist	1	1	-
5	Record Clerk	2	-	2
	Total	11	5	6

16. Research thrust areas as recognized by major funding agencies –

- ➔ Diabetic Foot Care
- ➔ Breast Cancer
- ➔ Deep Vein Thrombosis
- ➔ Post-operative Surgical Site Infections.
- ➔ Peripheral Vascular Diseases
- ➔ Blunt Trauma Abdomen
- ➔ Polytrauma
- ➔ Chronic Ulcers of Foot
- ➔ Peritonitis

17. Number of faculty with ongoing projects from a) National b)

International funding agencies and c) Total grants received – Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration –Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc. total grants received

–Nil

20. Research facility/Centre with -

State recognition --

National recognition --

International recognition --

➔ *Imaging lab*➔ *Clinical lab*➔ *Central Lab: Genome lab*➔ *CCSS (Centre for Clinical Skills and Simulation lab)***21. Special research laboratories sponsored by / created by industry or corporate bodies --****22. Publications:**

Number of papers published in peer reviewed journals (national / international) : 124

Monographs -Nil

Chapters in Books -Nil

Books edited -Nil

Books with ISBN with details of publishers -Nil

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO hosts, Medline, etc.)

-Nil

Publications

National	International	Indexed	Non indexed	Scopus	Pub med	Total
86	44	124	00	14	44	124

➔ Citation Index (Scopus)–Range - 0-5

➔ SNIP - 0.349 – 1.342

➔ SJR-NIL - 0.16 – 0.913

➔ ISI Impact Factor – 0.466- 2.05

→ H-index

- 1.2

Sl. No	Title of the paper	Authors	Journal	ASI impact factor
1	Unreported location and presentation for a parasitic ovarian dermoid cyst in indirect inguinal hernia	N S Shetty ¹ S Vallabhaneni ² A Patil ² M M Babu ¹ A Baig ¹	Hernia 2013;17(2): 263-265	2.087
2	A Review of Blood Transfusion Requests in RL Jalappa Hospital and Research Centre for Blood and Blood Components	Venkatachalapathy T S ¹ Subhashish Das ²	Journal of Blood Disorder & Transfusion 2012; 3(2): 1-3 http://dx.doi.org/10.4172/2155-9864.1000119	1.378
3	Spontaneous Expulsion of benign Phyllodes	Rajshekhar C. Jaka Kariyappa Mohan Kumar Kodaganur S. Gopinath*	The Breast Journal 2009; 15(3): 309	1.279
4	Clinico-etiological profile and outcome of electric burns at RLJH, a tertiary care centre of south india	Ambikavathy Mohan Kumar Srinivasan Bhaskaran Ashokan	Indian Journal of burns December 2014; 22(1)	1.13
5	Most Easy on the Pocket Offloading Device Costing < 1\$ for Rural Diabetic Foot Ulcers	Vijay P Agrawal Sreeramulu P N	Surgery: Current Research 2012; 2(4): 1000124	0.537

23. Details of patents and income generated – Nil**24. Areas of consultancy and income generated- Consultation, Services extended at BEML Hospital KGF** - Nil**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad.**

Faculty

Name of Faculty	Awards/ recognitions
Prof.A.Bhaskaran	FMAS/FICS/FIAGES/FAIS
Prof.Sreeramulu.P.N	FMAS/FAIS

Doctoral / post doctoral fellows

Name of Doctoral / post doctoral fellows	Awards/ recognitions
Dr.GauravPrasad	DMAS/FMAS
Dr.Pavan.B.K	FMAS

30. Seminars / Conferences /Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Yes, to enrich knowledge/skills and to motivate faculty, Department organises CME/workshops/Guest lectures in association with other relevant Superspeciality departments.

Source of finding – Self and through academy.

Program	CME	WORKSHOPS	GUEST LECTURE
Total	19	5	13

31. Code of ethics for research followed by the departments –Yes

Follows ICMR code of ethics.

32. Student profile program-wise

Name of the Program	Applications Received	YEAR	Selected		Pass percentage	
			Female	Male	Female	Male
	740	2007-08	72	78	95	90
	770	2008-09	69	81	96	94
	890	2009-10	83	67	100	90

MBBS	730	2010-11	77	73	98	92
	1116	2011-12	86	64	94	100
	1929	2012-13	70	71	92	90
	3820	2013-14	63	87	95	100
	2051	2014-15	66	84	75	75
Total	12046		583	599		

Name of the Program	Applications received	Year	Selected		Pass percentage	
			Female	Male	Female	Male
M.S	1015	2007-08	00	04	0	100
	1012	2008-09	01	03	100	67
	1559	2009-10	00	04	0	75
	1050	2010-11	01	05	100	100
	929	2011-12	01	05	100	100
	1067	2012-13	00	06	0	100
	1047	2013-14	00	06	-	-
	1130	2014-15	00	06	-	-

33. Diversity of students

Name of the Program	YEAR	% of students from same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.S(General surgery)	2007-08	00	50	50	0
	2008-09	0	75	25	0
	2009-10	0	75	25	0
	2010-11	0	50	50	0
	2011-12	34	33	33	0
	2012-13	0	84	16	0
	2013-14	16	68	16	0
	2014-15	0	50	50	0

34)How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT,

NCLEX, CGFNS, IELTS and other competitive examinations? Give details category - NIL

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil, DM/M.Ch/DNB	33
PG to Ph.D	Nil
Ph.D to Post-Doctoral	Nil
Employed	100
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates Of the same university	18%
From other universities within the state	70%
From universities from other states	12
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

38. Present details of departmental infrastructural facilities with regard to

Infrastructural facilities	
Library	Total Books –Titles:36,Copies:194 -Journal- total subscribed -Print =07, -E –Journal (Online)=13, -E books=nil - Helinet
Internet facilities for staff and students	With wifi connectivity
Computers	3
Laptops	20

Printers	2
Total number of class rooms	2
Class rooms with ICT facility and smart class rooms	Centralized- 4
e classroom and e podium	Centralized
Students laboratories	-
Research laboratories -	-
Infra structure-	Department Museum equipped with charts, specimens, instruments, models.

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university - Nil

b) From other institutions/universities - Nil

40. Number of post graduate students getting financial assistance from the university

All post graduates students receive monthly stipend.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. -

Nil

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes – Feedback is routinely obtained from faculty in the monthly department meeting. The department has a curriculum development committee which also meets biannually to discuss about the changes to be made. These changes are forwarded to Board of Studies.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Student feedback forms are obtained annually and the observations/suggestions made in the feedback forms are discussed in department meet and implement such changes as and when required.

c) Alumni and employers on the programs offered and how does the department utilize the feedback? ----

43) List the distinguished alumni of the department =

Dr. Rajashekar. C. Jaka	Onco and Robotic Surgeon, Manipal Hospital. Bangalore
Dr. Durgaprasad Reddy	Cardiothoracic surgeon, Vydehi medical college hospital
Dr. Rajashekar Mohan	Professor of Surgery, SDM medical college, resource person in CME/Workshop
Dr. Aravind David	Educationist, Rosemary institute. Tirunelveli.
Dr. Girish Gowda	Cardiothoracic surgeon, Sri Jaydeva Institute

44. Give details of student enrichment programs (special lectures/workshops/ seminar) involving external experts. –

Student enrichment programs involve encouraging them to participate in programs like CME/Workshops (CPCR training)/surgical quiz/Guest lecture.

Under graduates	Post graduates
CME	CME
-Workshops(CPCR training program) -Surgical skill lab	-Workshops -Surgical skill lab
- Surgical quiz -Guest lectures -Encouragement to make models and charts to the department museum -Seminars and weekly assignments	-Surgical quiz -Guest lecture. -Seminars, symposium, CPC -Encouragement to make models and charts to the department museum

45. List the teaching methods adopted by the faculty for different programs including clinical teaching

UNDER GRADUATES	POST GRADUATES
Bed side clinics	Bed side clinics

Demonstration	Demonstration
Small group discussion	Live demonstration in operation theatre
Power point presentation	Journal club
Didactic lecture	Seminar
Audio visual aids(operative procedure)	-case discussion -Pedagogy
Live demonstration in operation theatre	Mock exams for final year post graduates
Tutorials/Weekly assignment	Clinical audit
Work placed based assessment	-Work placed based assessment -Operative surgery
Clinical models	UG teaching program

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UNDERGRADUATES	POSTGRADUATES
By regular assessment of the students.	By regular assessment of the students.
By conducting Internal assessment tests in theory and clinicals	By conducting Internal assessment tests in theory and Clinicals
Monitoring of clinical records	Monitoring of log books
Counselling given to students by professionals	-Assessment of student performance in seminar/Journal club/case discussion using checklist.
-Mentorship program -Workplace based assessment	
-Academic performance record (cumulative records) -Students feedback is given and performance is appraised and slow achievers are counselled accordingly	-Workplace based assessment -Non academic performance record -Quarterly review of dissertation work.

47. Highlight the participation of students and faculty in extension activities-

By participation in:

- Major and minor health camps e.g.: cancer detection camp.
- Outreach programs /national health programs.

- c) YRC, NSS activities -Swach bharat abhiyan programs wherein environmental cleanliness is maintained.
- d) AIDS awareness program.
- e) Students and staff are encouraged to take part in blood donation camps as a move to encourage the awareness amongst general public regarding the safety and need for the blood and blood products.

48. Give details of “beyond syllabus scholarly activities” of the department.-

Participation in:

- DEMEDCON (National UG Conference 2013-15) to inculcate interest in the field of general surgery among undergraduates.
- ATLS (Advanced trauma life support) and CPR program.
- Hands on surgical skills training to create an interest amongst students to take up surgery
- Science exhibition for national science day in which students were involved in making models and charts

49. State whether the program/department is accredited/graded by other agencies? If yes, give details.

- Yes
- ISO Certification-2006, ISO 9001:2000
- NAAC accreditation -2006.
- Internal Quality Assurance Cell (IQAC) as part of post NAAC accreditation conducts annual assessment of the department.
- Accreditation of CME program by Karnataka medical council.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. – THE DEPARTMENT CONDUCTS

Outcome of the results obtained in the dissertation is implemented clinically.

Eg. 1) Simple low cost care for diabetic foot using Eptoin, Hydrocolloid gel and Honey.

2) Faster healing of tropic ulcers using offloading dressing.

3) Avoiding and reducing cost of surgery by using tamsulosin in distal ureteric calculi.

4) Different studies on peritonitis have led to following observations

➔ To Develop antibiotic policy for SSI's. Ex=3rd generation cephalosporin reduces the rate of SSI'S.

➔ PDS has advantages compared to prolene in laparotomy wound closure Implementation of the observations has significantly reduced treatment costs which is a boon for poor patients. The outcomes are also significant and comparable with standard care.

51. Detail five major strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department-

Strengths:

➔ Periodically Conducting hands on skills workshops in skill lab.(CCSS)

➔ Adequate well trained, experienced faculty capable of handling all surgical procedures.

➔ Good infrastructure in Operation Theatre/ imaging lab/clinical lab/ central lab.

➔ Good interpersonal relationship amongst the faculty of the department and interdepartmental relationship.

➔ Support from management and administration in carrying out departmental activities.

➔ Complementing sub specialty departments like plastic surgery/pediatric surgery/neurosurgery/urology.

Weakness:

➔ Need a basic science research scholar/assistant to supplement quality research work.

- ➔ Inability to get approval for funding of research activities from national and international agencies.

Opportunities:

- ➔ To develop good trauma and emergency care centre.
- ➔ To appoint research assistant committed to improve quality of clinical research
- ➔ To start fellowship programs in field of endoscopy, laparoscopic surgery, and vascular surgery.

Challenges:

- ➔ To retain faculty
- ➔ To keep faculty enriched and empowered
- ➔ To be a centre of excellence

52. Future plans of the department.

- ➔ Comprehensive Diabetic foot care
- ➔ To start fellowship courses in minimal access surgery.
- ➔ To develop trauma care centre

Evaluative report of the Department of Orthopaedics

1. **Name of the Department** : Orthopaedics
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Faculty of the University [Faculty of Medicine]
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
 - A) Under Graduate program
vii) MBBS
 - B) PG Program
vi) MS Ortho
 - C) Post Graduate Diploma
i) D. Ortho.
5. **Interdisciplinary programs and departments involved** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** Nil
7. **Details of programs discontinued, if any, with reasons** Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**
 - ➔ MBBS : Annual
 - ➔ MS Orthopedics :End of the Course
 - ➔ D.Ortho. : End of the Course

9. Participation of the department in the courses offered by other departments

DEPARTMENT	COURSE	ACTIVITY
Surgery	MS	One Month Postings
Pathology	MD,MS,PG Diploma	CPC
Pathology, Radiology & Orthopaedics	MS,MD,PG DIPLOMA	Inter –Dept PG Symposium
Medicine, Surgery, Obstetrics and Gynaecology, Orthopaedics, Paediatrics, Ent, Ophthalmology Anaesthesia, Microbiology, Radiology	MS,MD,PG Diploma	Mortality Meeting
Radiology, Surgery, Orthopaedics	MS,MD,PG Diploma	Seminars Related to Inter –Dept
Community Medicine, Pharmacology, Genetics		Co –Guides in PG Dissertation

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned 20% more than MCI	Filled	Actual (including CAS & MPS)
Professor	1	3	3
Associate Professor/Reader	3	2	2
Assistant Professor	5	5	5
Lecturer	-	-	-
Tutor	-	-	-
Senior Resident	5	5	5

11. Faculty profile with name, qualification, designation, area of

specialization, experience and research under guidance

S. No	Name	Qualification	Designation	Area of Specialization	Experience	Research under Guidance
1.	Dr. Arun H.S.	Ms Ortho	Prof & Head	Trauma, Replacment & Scopy	14 Yrs 5 Mnt	4 Yrs
2.	Dr.P.V.Manohar	Ms Ortho	Prof & HOU	Trauma, Spine& Replacement	24 Yrs 11 Mnt	18 Yrs
3.	Dr. B. Sheikh Nazeer	Ms Ortho	Professor & HOU	Trauma & Paed Ortho	25 Yrs. 10 Mnt	15 Yrs
4.	Dr.Siddram N Patil	Ms Ortho, Mch Ortho	Prof.	Trauma & Replacement	12 Yrs 7Mnt	8 Yrs
5.	Dr.Naga Kumar	Ms Ortho	Associate Prof.	Trauma	6 Yrs. 2 Mnt	1 Yr
6.	Dr. Prabhu E.	Ms Ortho	Assist. Prof.	Trauma & Illizarov	3 Yrs. 6 Mnt	-
7.	Dr.Abdul Hadi	D Ortho, Dnb	Assist. Prof.	Trauma & Paed Ortho	2 Yrs 2 Mnt	-
8.	Dr.Anil Kumar	D Ortho, Dnb	Assist. Prof.	Trauma, Replacement & Pelvic Acetabular Surgeries	2 Yrs. 3 Mnt	-
9.	Dr.Hari Prasad	D Ortho, DNB	ASSIST PROF	TRAUMA, REPLACEMENT & SPINE	4 Yrs. 6 Month	-
10.	Dr.Aneesh Kumar	MS ORTHO	ASSIST PROF	TRAUMA	1 year 4 month	-
11.	Dr.Mahesh	D Ortho, DNB	SENIOR RES	TRAUMA	1Year 3Month	-
12.	Dr.Murali Krishna	MS ORTHO	SENIOR RES	TRAUMA & REPLACEMENT	1 Yr	-
13.	Dr.Narendra	D Ortho	SENIOR RES	TRAUMA	1 Yr	-
14.	Dr. Badrinath	D Ortho	SENIOR RES	TRAUMA	1 Yr	-
15.	Dr. Vishal.M. Huggi	D Ortho	SENIOR RES	TRAUMA	2 M	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name	Specialization	Qualification
Dr. Chandra Mouli	Replacement surgeon	MBBS, MS ORTHO (PGI CHANDIGARH)
Dr. Mahesh. B	Spine and scoliosis surgeon	MBBS, MS ORTHO (AIIMS NEW DELHI)
Dr. Jagadesh P.C.	Arthroscopic shoulder surgeon	MBBS, D ORTHO, DNB
Dr. Hemanth	Knee arthroscopic surgeon	MBBS, D ORTHO, DNB
Dr. Niranjana S. R.	Knee arthroscopic surgeon	MBBS, MS ORTHO

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

SL. No.	Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1.	UG		150		25:1
2.	PG MS		18		1:1
3.	PG Diploma		6		1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No	Designation	Required	Available	Shortage
01	Technical assistant/ technician	01	01	-
02	Computer operator/ clerk	01	01	-
03	Department attender	01	01	-

16. Research thrust areas as recognized by major funding agencies

Research thrust areas are

- ➔ Anterior and Posterior cruciate ligament reconstruction.
- ➔ Meniscal surgeries
- ➔ Total hip replacement
- ➔ Total knee replacement
- ➔ Ilizarov and limb reconstruction surgeries
- ➔ Shoulder arthroscopy and rotator cuff repair
- ➔ Pedicle screw fixation of spine.
- ➔ Hand surgeries
- ➔ Polytrauma management
- ➔ Pelvis & Acetabular surgeries

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

v) National collaboration : Nil

w) International collaboration

Customized knee replacement with Zimmer company in collaboration with international university. (Australia)

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

University applied for DSIR recognition and got pending status to include under UGC to get financial assistance from funding agencies, on account of pending case on deemed to be Universities.

20. Research facility / centre with

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil
- Imaging lab, Genome Lab

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**22. Publications:**

- * Number of papers published in peer reviewed journals : 12
- * National : 05
- * International) : 07
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers: Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Scopus : 05
- * Pub Med : 07
- * Web of Science : 05
- * Scopus Citation Index – range / average : 0-3
- * SNIP : 0.102-1.01
- * SJR : 0.117-0.454
- * Impact Factor – range / average : 0.64-0.882
- * h-index : 5-9

23. Details of patents and income generated : Nil**24. Areas of consultancy and income generated : Nil**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

- ➔ Dr. Arun H.S.- 2004- Fellowship in joint replacement APOLLO-INDRAPRASTHA HOSPITAL, NEW DELHI .
- ➔ Dr. Hariprasad S.- Completed fellowship in adult Knee Reconstruction and Sports Medicine at MEDANTHA MEDICITY, NEW DELHI.
- ➔ Dr. Prabhu E. – Pursuing fellowship in joint replacement SACRED HEART HOSPITAL, HALLYM UNIVERSITY, SOUTH KOREA.

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
- d) any other (specify)
- i) Dr.Arun.H.S – E.C. member of Bangalore Orthopaedic society- 2014-15.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Various programs are conducted to satisfy the scientific hunger of the faculty and to recharge them like

- CPC
- CME and workshops
- Guest lectures
- Symposiums
- NTTC-PONDICHERRY

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : 100%
- ➔ percentage of students doing projects in collaboration with other

universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.: Nil

Sr. No.	Name of Conference/workshop (with date/month/year)	source of funding	Outstanding Participants	Total No. of Delegates

31. Code of ethics for research followed by the departments

The ICMR code of ethics is followed.

32. Student profile program-wise:

Name Of The Program	Year Of Examination	Applications Received	Selected	Number Of Candidates Passed	Pass %
			Male		
Ms Ortho	2010-2011	3	3	3	100
	2011-2012 (May)	3	3	2	66
	2011-2012 (Nov)	1	1	1	100
	2012-2013 (May)	5	5	5	100
	2012-2013 (Nov)	1	1	0	0
	2013-2014(May)	6+1	6+1	5+1	83+100
	2013-2014 (Nov)	1	1	1	100
	2014-2015 (May)	5	5	5	100

	2014-2015 (Nov)	1	1	-	-
D Ortho	2010-2011	2	2	2	100
	2011-2012	2	2	2	100
	2012-2013	2	2	2	100
	2013-2014	2	2	2	100
	2014-2015	2	2	2	100

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ms Ortho	16.6%	33.3%	27.7%	22.2%
D Ortho	0	100	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Student Progression	Percentage Against Enrolled
UG TO PG	16.6%
PG TO M.PHIL, DM/M CH /DNB	-
PG TO PH.D	-
PH.D TO POST DOCTORAL	-
EMPLOYED <ul style="list-style-type: none"> CAMPUS SELECTION OTHER THAN CAMPUS RECRUITMENT 	- - -

ENTREPRENEURS

-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	9.09%
from other universities within the State	63.63%
from universities from other States	27.27%
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : 01**38. Present details of departmental infrastructural facilities with regard to**

g) Library

- Department library consists of 176 books
- OPEN ACCESS JOURNALS- Journal of Orthopaedic Surgery and Research, Indian Journal of Orthopaedics.

h) Internet facilities for staff and students

Yes

i) Total number of class rooms

3 (Dept. Exclusive) & 3 shared

j) Class rooms with ICT facility and 'smart' class rooms

2

k) Students' laboratories

l) Research laboratories

Yes

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

All post graduates have been given financial assistance in the form of monthly stipend.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, we obtain feedback from our faculty from monthly conducted faculty meetings & curriculum developments meetings before development of new programme.

42. Does the department obtain feedback from

bb. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- ➔ Feedback on curriculum revision
- ➔ Feedback on teaching learning evaluation
- ➔ Feedback on seminars and journal clubs

All feedback is discussed in the monthly department meet and any significant changes will be forwarded to the board of studies and Academic Council which finally incorporates the changes into the curriculum.

cc. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- ➔ Periodic feedback from the students will be taken on the teaching learning activity.
- ➔ Feedback from the students is submitted to the Director of academics and a copy of the same is maintained in the department and after evaluation in the monthly departmental

meeting, changes are implemented.

dd. Alumni and employers on the programs offered and how does the department utilize the feedback?

All the alumni of our department are sent feedback forms in the form of questionnaires through mails, regarding to strengths and weakness of the department and also suggestions to improve upon the post graduate teaching- learning methods.

43. List the distinguished alumni of the department (maximum 10)

S. No	Name	Qualification	Current Position	Specialisation
1.	Dr. Gopal Reddy	MS Ortho	Sunshine Hospital Hyderabad	Replacement Surgeon
2.	Dr. Niranjana S R	MS Ortho	Consultant Orthopaedic Surgeon Australia	Replacement And Arthroscopic Surgeon
3.	Dr. Azeem Jabbar	MS Ortho	Orthopaedic Surgeon CMC Vellore	Orthopaedic Oncology Surgeon
4.	Dr. Raja G	D Ortho Mch Ortho	Orthopaedic Surgeon	Arthroscopic And Replacement Surgeon
5.	Dr. Madhuchandra	MS Ortho	Orthopaedic Surgeon BGS Global Hospital	Complex Trauma And Replacement Surgeon
6.	Dr. John Pradeep	D Ortho, FRCS	Senior registrar	Hip surgeon, Exeter UK
7.	Dr. Rehnaaz	Ms Ortho	Consultant arthroscopic surgeon	Abu- Dhabi

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ CME
- ➔ Guest lectures
- ➔ Workshops on bone modules
- ➔ Cadaveric workshop

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

UNDERGRADUATE	POSTGRADUATE
---------------	--------------

<ul style="list-style-type: none"> • Lectures • Bed side clinics • Seminars • Group discussions • Case presentations • Case based discussions • PBL • Evidence based sessions 	<ul style="list-style-type: none"> • Demonstration of skill using bone models • DOPS(Direct Observation of Procedural Skill) • Seminars • Group discussions • Case presentations • Case based discussions • PBL • Evidence based sessions • Journals in digital lab • Video demonstration of surgical procedure • Microteaching
---	--

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The department ensures that the students are objectively monitored regarding their teaching learning activities by their performance in

- ➔ Seminars
- ➔ Journal clubs

They are also monitored subjectively by weekly checking of their

- ➔ Log books.

For MS / D Ortho students

- ➔ Work place base assessment
- ➔ Case base discussion
- ➔ Mini Clinical Evaluation Exercise

For both UG and PG's

- ➔ Well organised internal assessment
- ➔ OSCE, providing objectives for them.

UG Objectives

- ➔ Focus on common problems seen in outpatient and emergency setting
- ➔ To work solo or as a member in a team to provide treatment to a patient
- ➔ Participate in investigations, management and performance of basic procedures
- ➔ To be able to provide basic medical care/treatment in a rural/urban setting

PG Objectives

- ➔ To train the post graduates into specialist doctors, enabling them to start their own practise
- ➔ To inculcate interest for higher learning
- ➔ Extensive faculty development training
- ➔ Continuous formal structured assessment
- ➔ Skill centred training
- ➔ Log book maintenance

47. Highlight the participation of students and faculty in extension activities.

- ➔ Medical camps
- ➔ Medical exhibition
- ➔ Specialty camps- joint replacement, paediatric orthopaedic camps, disability camps
- ➔ Live surgery conferences
- ➔ State and National conferences
- ➔ Swach Bharath Abhyaan 2 hours /week

48. Give details of “beyond syllabus scholarly activities” of the department.

- ➔ Yoga- for backache patients

- ➔ Presenting papers in conference
- ➔ Participating in quizzes
- ➔ Participation in activities of Bangalore Orthopaedic Society
- ➔ Cadaveric workshop

49. **State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

- ➔ College is accredited with ISO certification (ISO 9001-2000) in year 2006.
- ➔ Academy is accredited with NAAC.
- ➔ CME accredited by KMC

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- ➔ A study of Expert tibial nailing for proximal tibial fractures showed increased stability and good functional outcome indicating it to be an ideal implant for these proximal tibia shaft fractures.
- ➔ A study of management of unstable peritrochanteric fractures by 95 degree blade plate led to stable fixation and good functional outcome indicating that even though it is a very old design implant it is still a good option to use on unstable fractures.
- ➔ A comparative study of management of lateral epicondylitis by infiltration of long acting steroid and autologous blood injection showed autologous blood infiltration to provide a better outcome than steroids.
- ➔ A study of management of distal femoral intra articular fractures by locked compression plate showed excellent fixation with increased stability, allowing early mobilisation leading to a good functional outcome.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ A very good dedicated team of orthopaedic surgeons capable of handling all complex cases
- ➔ Well-staffed and equipped operation theatres with around the clock facilities
- ➔ Good imaging technology and equipment
- ➔ Wide range of cases for surgical exposure with trained faculty to enable good teaching learning experience
- ➔ Regular teaching programmes and periodic assessment of the students.

Weakness:

- ➔ Lack of orthopaedic oncology support
- ➔ Lack of bone densitometer
- ➔ Inability to manage trauma associated with vascular injury.
- ➔ Follow up is problem due to lack of awareness due to illiteracy and poverty.

Opportunity:

- ➔ Lots of opportunity in view of OSTEOARTHRITIC cases but for the affordability.
- ➔ We are also trying to rope in some company or persons who will sponsor the needy like replacement surgeries.
- ➔ To incorporate the modern teaching facilities
- ➔ Support from the department to pursue higher education like fellowships

- ➔ Interaction with distinguished persons of the profession, during various CMEs.

Challenges:

- ➔ Provision of cost effective healthcare.
- ➔ Implementation of the various government health insurance schemes and projects
- ➔ Counselling the patients regarding treatment due to low literacy rates.
- ➔ Unable to intervene between the patient and the osteopath.

52. Future plans of the department.

- ➔ Upgrade the department into one with high standards in trauma care.
- ➔ Initiate training the staff in orthopaedic oncology.

Evaluative report of the Department of Ophthalmology

1. **Name of the Department** : Ophthalmology
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Yes, Faculty of University.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
i) MBBS
B) PG Program
i) MS Ophthalmology
C) Post Graduate Diploma
i) Diploma in Ophthalmology
5. **Interdisciplinary programs and departments involved**
B.Sc. Ophthalmic technology course under department of Allied Health Sciences.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**
➔ MBBS : Annual
➔ Postgraduate: At the end of course
➔ B.Sc. Ophthalmic Technology: Semester
9. **Participation of the department in the courses offered by other departments**

DEPARTMENT	COURSE	ACTIVITIES
Paediatrics	MD	Co guide in dissertation.
Micro biology	MD	Co guide in dissertation.
Pharmacology	MD	Co guide in dissertation.

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned (As per MCI)	Filled	University Sanctioned (SDUAHER)	Actual (including CAS & MPS)
Professor	1	3	2	
Associate Professor/Reader	2	-	2	
Asst. Professor	3	4	4	
Tutor/ Clinical Instructor	-	-	-	
Senior Resident	4	2	4	
Total	10	09	12	

*Sanctioned posts of the university are 20% more than MCI requirement, irrespective of the cadres.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Quali- fication	Desig- nation	Specialization	No. of Years of Experience	Research Under Guidance
Dr. K. Kanthamani	MBBS, MS	Professor & HOD	General Ophthalmology	26 years	11 years
Dr. M.S Padamajothi	MBBS, MS	Professor & HOU	General Ophthalmology	22 years	13 years
Dr. D. Krishnamurthy	MBBS, MS	Professor	General Ophthalmology	30 years	18 years
Dr. Usha. B.R	MBBS, DNB, MBA	Asst. Professor	General Ophthalmology	2 years	-
Dr. Venugopal	MBBS, MS	Asst. Professor	General Ophthalmology	5 years	-
Dr. Ranjitha C S	MBBS, MS, FRCS	Asst. Professor	General Ophthalmology	3 months	-

	(Glasgow)				
Dr.Rashmi G	MBBS, MS	Asst. Professor	General Ophthalmology	3 months	-
Dr. Iffath Zia	MBBS,DO	Sr. Resident	General Ophthalmology	4 years	-
Dr. Manjunath. H.R	MBBS,DO	Sr. Resident	General Ophthalmology	4 years	-

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors**
Nil

13. **Percentage of classes taken by temporary faculty – program-wise information** :Nil

14. **Program-wise Student Teacher Ratio**

SL. No.	Name of the program	Students Teacher - ratio
1	MBBS	25:1
2	Post Graduate	2:1

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

Sl. No.	Designation	Sanctioned	Filled	Actual
1	Research assistant[technical]		-	
2	Computer operator & Clerk*		1	
3	Lab Attendants		-	
4	Sweepers		2	

16. **Research thrust areas as recognized by major funding agencies**

- i) Community Ophthalmology
- ii) Cataract Surgery
- iii) Glaucoma

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.**

Sl. No	Project	Investi Gators	Project No	Funding	Grants received
1	Study of phacocapsulotomy in preventing anterior capsular tear extension in phacoemulsification of white intumescent cataract in comparison with needle aspiration	Dr. Narendra. P. Datti Dr. Dilip Kumar K Dr. Preeti Biradar	SDUAHER/Res. Proj /76/2013-14	University	Rs: 1,32,717/-
2	Comparative study of intraoperative complications of capsular tension ring implantation versus no implantation in phacoemulsification of cataracts associated with pseudo exfoliation syndrome.	Dr. Narendra. P. Datti Dr. Preeti Biradar Dr. Dilip Kumar K	SDUAHER/Res. Proj /77/2013-14	University	Rs: 12,660/-
3	Platelet indices in patients with retinal venous occlusive diseases	Dr. Krishnamurthy Dr. Preethi B	SDUAHER/Res. Proj /93/2013-14	University	-

18. Inter-institutional collaborative projects and associated grants received

- ➔ National collaboration
- ➔ Rapid assessment of avoidable blindness in Kolar district, Karnataka in collaboration with Centre for Cellular and Molecular Biology, Hyderabad.
- ➔ ROP Screening in collaboration with Narayana Nethralaya, Bengaluru.
- ➔ International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received : Nil

20. Research facility / centre with

- x) State recognition : Nil
- y) National recognition : Nil
- z) International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**22. Publications:**

Year	International	National	Indexed	Non Indexed	Scopus	PubMed	Total
2007 - 2015	13	28	41	0	2	13	41

Sl No	Name of Faculty	Citation Index	H Index	I-Index
1	Dr. Narendra Datti	25	2	1
2	Dr. Krishnamurthy D	09	-	-

Prized article:

Sl.no	Title of the paper	Authors	Journal	ASI impact factor
1	Changing scenario of cataract blindness in Kolar district, Karnataka, South India	Dr.B.S.Guruprasad, Dr.Narendra.P.Datti, Dr.B.G.Ranganath, Dr.B.R.Shamanna.	Ophthalmic Epidemiology 2013;20(2):89-95	2.18
2	Retinopathy of Prematurity in a Rural Neonatal Intensive Care Unit in South India- A Prospective Study	Bhavana Hung, Anand Vinekar, Narendra Datti, Pushpalatha K, Sherine Braganza, Susheela Channaiah, Krishnamurthy D, Bhujanga Shetty	Indian Journal of Paediatrics July 2012; 79(7): 911-915.	0.919
3	Assessment of Avoidable Blindness using the Rapid Assessment of Avoidable blindness Methodology	Guruprasad BS, Datti N P, BGRanganath, BR Shamanna, Tejal SJ.	North American Journal of Medical Sciences. 2012;4:383-393	-

ee. Citation Index – range / average (Scopus) : 0-3

- | | |
|---|---------------|
| ff. ISI Impact Factor – range / average | : 0.867-.148 |
| gg. SNIP | :0.584-0.871 |
| hh. SJR | : 0.341-0.639 |
| ii. h-index | : 2 |
23. **Details of patents and income generated** : Nil
24. **Areas of consultancy and income generated** : Nil
25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad** :Nil
26. **Faculty serving in**
- a) National committees b) International committees c) Editorial Boards d) any other (specify) :Nil
27. **Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**
- ➔ Basic medical education technology.
- ➔ Research methodology.
- ➔ Workshop and CMEs.
- ➔ State and national level conferences.
28. **Student projects**
- i. **percentage of students who have taken up in-house projects including inter-departmental projects**
- 100% of MS students undertake dissertation projects.
- ii. **percentage of students doing projects in collaboration with other universities / industry / institute** : Nil
29. **Awards / recognitions received at the national and international level by**
- ➔ **Faculty** : Nil
- ➔ **Doctoral / post doctoral fellows** : Nil
- ➔ **Students** : Nil
30. **Seminars/ Conferences/Workshops organized and the source of**

funding (national / international) with details of outstanding participants, if any.

- ➔ International workshop on “Prevention and management of diabetic retinopathy” was conducted on 19-12-2007.
- ➔ Funded by SDUAHER.
- ➔ Following were the outstanding participants in abovementioned workshop.

- a) Dr. Shyam Kodati,
Consultant Ophthalmic Surgeon-Watford General Hospital (UK)
- b) Dr. V.R. Pandurangi
Internal Coordinator CAMHADD (UK)
- c) Dr. S. Chandrasekhar Shetty
Vice Chancellor, SDUAHER.
- d) Dr. Pierre Huguet
Consultant, Diabetes Centre Northern General Hospital, Sheffield (UK)
- e) Dr. Adria Scott
Consultant, Diabetes Centre Northern General Hospital, Sheffield (UK)
- f) Dr. K.M. Prasanna Kumar,
Consultant Diabetologist, Ramaiah Medical College Bangalore

31. Code of ethics for research followed by the departments

Ethical Committee established based on ICMR guidelines.

32. Student profile program-wise:

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
	Permitted	Male	Female	Male	Female
UG Jan 2012		52	55	90.38%	100%
UG July 2012		30	12	93.33%	91.6%
UG Jan 2013		52	63	94.23%	100%
UG July 2013		24	16	87.5%	87.5%
UG Jan 2014		49	69	89.7%	95.6%
UG July 2014		34	23	91.1%	91.3%
PG MS Ophthalmology		5	11	100%	100%
PG DOMS Ophthalmology		2	06	100%	100%
B.Sc Ophthalmic		0	4	0	100 %

Technology					
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33. Diversity of students

Name of the Program (refer to question no.4)	% of students from the same university	% of students from other universities within same country	% of students from other countries
POSTGRADUATE			
MS ophthalmology	0	100	0
DOMS	0	100	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Students progression	Percentage against enrolled
UG to PG	-
PG to M.Phil, DM / M Ch /DNB	-
PG to Ph.D	-
Ph.D to Post – Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	01 (11%)
from other universities within the State	08 (89%)
from universities from other States	-
from universities outside the country	-

37. **Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :** Nil
38. **Present details of departmental infrastructural facilities with regard to**
- a) Library**
- Total books: 142
 - Journals: all free access journals, HELINET consortium, Science Direct, LWW, JP Digital
 - 25 National journals (Hard copy)
 - DVDs & CDs : 92.
- b) Internet facilities for staff and students**
- WiFi & LAN
- c) Total number of class rooms**
- 2
- d) Class rooms with ICT facility and ‘smart’ class rooms**
- 2 LCD projector, 1 TV and 1 OHP projector
- e) Students’ laboratories** :Nil
- f) Research laboratories** :Nil
39. **List of doctoral, post-doctoral students and Research Associates**
- a) from the host institution/university** : Nil
- b) from other institutions/universities** : Nil
40. **Number of post graduate students getting financial assistance from the university.**
- All postgraduates receive stipend.
41. **Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**
- YES. There was a perceived need among faculty to pursue research in a

specialized area. The department and institution had experts to guide with infrastructure to support the scholarly activity. This need was discussed in depth at the faculty meeting, put forward for discussion at the Board of Studies meeting, from there to University statutory bodies and approved by Academic Council.

42. Does the department obtain feedback from

- **Faculty on curriculum as well as teaching-learning-evaluation?**
If yes, how does the department utilize the feedback?

Yes, Feedback is taken on curriculum and teaching learning evaluation and sent to BOS and alterations done accordingly.

- **Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, At the end of the course, feedback is taken from the students which are analysed and presented in the departmental meeting. In light of the feedback, changes are made for future batches.

- **Alumni and employers on the programs offered and how does the department utilize the feedback?**

Yes, Feedback taken from the Alumni and incorporation done from suggestions.

43. List the distinguished alumni of the department (maximum 10)

- ➔ Dr. Sudarshan- Uvea consultant, Sankara nethralaya, Chennai.
- ➔ Dr. Karthik R – VR Surgeon, Bangalore.
- ➔ Dr. Karthik S- VR Surgeon, Madurai.
- ➔ Dr. Sandeep P- Asst Professor, Govt. Medical College, Belgaum.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- International workshop on “Prevention and management of diabetic retinopathy” was conducted on 19-12-2007.

CME's conducted:

- ➔ “Eye Banking and corneal Grafting” - Sept.2008
- ➔ “Pediatric Ophthalmology” - April 2009
- ➔ “Awareness of Diabetes and Diabetic Retinopathy” – Nov.2009
- ➔ “Eye Donation Fortnight Day Celebration” – Sept. 2009
- ➔ “Kerato-Refractive Surgery” – June 2011.
- ➔ “Eye banking and cornea grafting” - Sept. 2012
- ➔ “Glaucoma” – March 2013.
- ➔ “Eye donation and corneal grafting” – August 2013.
- ➔ “Glaucoma Update” – March 2014.
- ➔ “Eye donation Awareness” - Sept. 2014
- ➔ “Recent updates in cataract surgery”- April 2015.

45. **List the teaching methods adopted by the faculty for different programs including clinical teaching.**

Undergraduate:	Postgraduate:
<ul style="list-style-type: none"> • Didactic Lectures • Clinical Demonstrations • Case discussion • Tutorials • OSCE and OSPE 	<ul style="list-style-type: none"> • Subject seminars • Case Presentation • Journal Clubs • Symposium • Video Surgical Skill demonstration

46. **How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Undergraduate	Postgraduate
<ul style="list-style-type: none"> • Internal Assessments – Theory and Practicals. • Counselling for poor performers 	<ul style="list-style-type: none"> • Log book evaluation. • Assessment of seminar/case presentation/journal club with the help of a checklist. • Internal assessment examination conducted every 6 months. • Observing and reporting on the post graduate student's non-academic attributes. • Review of dissertation once in 6 months.

	<ul style="list-style-type: none"> • Completion certificate from external postings
--	---

47. Highlight the participation of students and faculty in extension activities.

Students and faculties participate in community outreach programs such as

- ➔ Cataract surgery camps (6 per month)
- ➔ Diabetic retinopathy camps.
- ➔ School health screening camps.
- ➔ General health camps.
- ➔ Collection of eyeballs.

Year	Cataract surgeries	DR Screened	ROP Screened
2007	868	1270	-
2008	1059	511	324
2009	1425	830	393
2010	1024	361	323
2011	1085	81	290
2012	1565	240	233
2013	989	120	250
2014	1303	194	355

48. Give details of “beyond syllabus scholarly activities” of the department.

Students are encouraged to attend and participate in:

- ➔ Small research projects.
- ➔ Science exhibition.
- ➔ Paper/ poster presentation in conferences.
- ➔ Publications in scientific journals.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- ➔ Accredited by ISO 9001:2000 certified as per Certificate Registration No.12 100 28315 TMS.
- ➔ NAAC Certified on 21st May 2006.
- ➔ Eye bank is accredited by Eye bank association of India in Nov. 2007
- ➔ CME programs accredited 2 credit hours by KMC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ➔ Vertical chopping technique is found superior as compared to horizontal chopping or divide and conquer technique of nucleotomy in phacoemulsification of cataracts associated with pseudoexfoliation.
- ➔ On comparison of iris claw lens and scleral fixated intraocular lens, we observed good visual outcome and low incidence of complications in patients with iris claw lens.
- ➔ Capsular tension ring in pseudoexfoliative cataract helped in preventing intraoperative complications ensuring good vision.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- ➔ Trained & Dedicated Faculty
- ➔ Good Infrastructure
- ➔ Performing high volume cataract surgery
- ➔ Encouragement by the management

Weakness:

- ➔ Lack of research assistant to enhance research activities and publications.
- ➔ Difficulty in getting funded research projects.

Opportunity:

- ➔ To enhance super speciality services in retina, cornea and oculoplasty.

Challenges:

- ➔ To create awareness about eye donation, diabetic retinopathy and glaucoma.

52. Future plans of the department.

- ➔ Conducting Short term fellowships (2 months) in small incision cataract surgery.
- ➔ Long term fellowships (1-11/2 yrs) in specialties like retina& oculoplasty
- ➔ To develop Teleophthalmology services.
- ➔ To enhance student research programs funded by external agencies.

Evaluative Report of the Department of Obstetrics and Gynaecology

- 1. Name of the Department:** Obstetrics and Gynaecology.
- 2. Year of the establishment:** 1988
- 3. Is the Department part of a College/ Faculty of University:**
Yes, Faculty of the university
- 4. Names of Programmed Offered (UG, PG, PharmD, Integrated masters, M Phil, PHD, Integrated PHD, Certificate, Diploma, PG Diploma, D.M/MCH, Super speciality fellowships, etc):**

Undergraduate course: MBBS
Postgraduate course: MS Obstetrics and Gynaecology
Diploma in Obstetrics and Gynaecology
- 5. Interdisciplinary programmes and department involved:** Nil
- 6. Courses in collaboration with other universities, industries, foreign instructions, etc :** Nil
- 7. Details of Programs discontinued, if any, with reasons:** Nil
- 8. Examination System : Annual/ Semester/ trimester/ choice based credit system**

COURSE	EXAMINATION SYSTEM
MBBS	Annual System
MS Obstetrics and Gynaecology	At the end of Postgraduate course of 3 years
Diploma in Obstetrics and Gynaecology	At the end of Postgraduate course of 2 years

- 9. Participation of the department in the courses offered by other departments:**

Department	Course	Activity
Community Medicine, Pathology, Paediatrics	MD	Co- guide

Allied Health sSciences	M phil	Co- guide
Pathology, Medicine, Surgery, Pharmacology, Radiology, Urology, Paediatrics	MD, Diploma	CPC
Paediatrics, Anaesthesia, Medicine, Surgery, Pathology, Radiology	MD, Diploma	Central mortality meeting Maternal mortality Perinatal mortality meeting
Pathology, Medicine, Surgery, Pharmacology, Radiology, Paediatrics	MD, Diploma	Inter Departmental Symposium
Anesthesia	MD, Diploma	ICU case discussion
Paediatrics , Anaesthesia , Radiology , Oncology (Kidwai Memorial institute of oncology) Emergency Medicine	MS OBG, DGO	Rotational Departmental Postings
Community Medicine	MD	One month postings
Allied Health Sciences		Research

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/Others):**

Department	Faculty	Teaching staff Sanctioned* as per MCI	Teaching staff Available	Actual (including CAS & MPS)
O.B.G	Professor	1	8	
	Assoc. Professor	4	0	
	Asst. Professor/Lecturer	9	10	
	Tutor/Reg./Sr.Res.	5	2	
	Total	19	0	
	*Sanctioned posts of the University are 20% more than MCI requirement, irrespective of the cadres	4		
	G.total	23	20	

11. Faculty Profile with name, qualification, designation, area or specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance
Dr.Munikrishna.M.	MBBS,MD,DGO	Professor & HOD	O.B.G	19Y	14 yrs
Dr.Narayana Swamy.M.	MBBS,MD,DGO	Professor	O.B.G	26Y 2M	21 yr
Dr.Pushpa.P.Kotur	MBBS,MD	Professor	O.B.G	23Y 6M	18 yrs
Dr.Hemalatha.S.Mahantshe tti	MBBS,MD	Professor	O.B.G	23Y 7M	18 yrs
Dr.Sheela.S.R.	MBBS,MD	Professor	O.B.G	18Y 4M	13 yrs
Dr.Sunita.V.	MBBS,MD	Professor	O.B.G	17Y 3M	12 yrs
Dr.Gomathy.E	MBBS, MS	Professor	O.B.G	8Y	1 yr
Dr.Manjula.H.M	MBBS, MS	Asst. Professor	O.B.G	6Y 5M	
Dr.Latha.G.S	MBBS, MS	Asst. Professor	O.B.G	2Y 4M	
Dr.Deepika.N	MBBS, MS	Asst. Professor	O.B.G	1Y 11M	
Dr.Talasila Sruthi	MBBS, MS	Asst. Professor	O.B.G	1Y 9M	

Dr.Ramya.M.R	MBBS, MS	Asst. Professor	O.B.G	8M	
Dr.Prashanth.B	MBBS, MS, DNB	Asst. Professor	O.B.G	7Y 3M	
Dr.Sunitha.T	MBBS, MS	Asst. Professor	O.B.G	2M	
Dr.Nagashri.M.N	MBBS, DNB	Sr.Resident	O.B.G	2Y 4M	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors.

- ➔ Dr. Puranchander Shetty , MD Radiodiagnosis.
Hurley Medical Centre, Flint, Michigan, U.S.A.
- ➔ Dr. Satish Ramachandra Rao
Department of Medicine, Division of Nephrology & Hypertension
Centre for Renal Transplant Medicine
Stein Clinical Research, California.

13. Percentage of classes taken by temporary faculty – program-wise information. :Nil

14. Program-wise Students Teacher Ratio.

Program	Students Teacher Ratio
Undergraduate course : MBBS	25:1
Postgraduate course : MS OBG, DGO	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Academic support staff (technical) and administrative staff	Sanctioned	Filled	Actual
Antenatal medical officers-Lecturer /	1	1	1

Asst. prof			
Maternity and Child Welfare Officer-cum-Lecturer / Asst. Professor	1	1	1
Social worker	2	1	1
Technical Assistant	2	1	1
Technician		1	1
Lab attenders	2	1	1
Stenographer	1	1	1
Record clerk	1	1	1
Store Keeper	1	1	1

16. Research thrust areas as recognized by major funding agencies:

Preeclampsia-eclampsia
 Anemia in pregnancy
 Abruptio placenta
 Gestational diabetes
 Recurrent pregnancy loss
 Induction of labor
 Preterm labour
 Premature rupture of membranes
 Post partum hemorrhage
 Cervical cancer
 Fibroid uterus

17. Number of faculty with ongoing projects from a) National collaboration b) International funding agencies & c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

a) National collaboration - Nil
 b) International funding agencies - Nil
 c) Total grants received - Nil

All projects are funded by SDUAHER / Self Funded.

No. of Faculty involved with research projects : 6
 No. of Projects in this University : 12
 No. of projects completed : 2

See Annexure I for Projects List.

18. Inter -institutional collaborative projects and associated grants received a) National collaboration b) International collaboration.

a) National collaboration - Nil
 b) International collaboration - Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICET, etc.; total grants received : Nil

20. Research facility / center with –

State recognition - Nil
 National recognition - Nil
 International recognition - Nil
 University established facility/center
 Genomic laboratory
 Central laboratory
 Imaging laboratory

21. Special research laboratories by /created by industry or corporate bodies. – Nil

22. Publications:

➔ Number of papers published in peer reviewed journals (national/international)

YEAR	International journal	National journal	Indexed journal	Non indexed	Scopus	Pub med	WoS	Total
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				journal				
Total	19	41	60	0	9	17	11	60

→ Monographs –Nil

→ Chapters in books

Faculty	Name Of The Text Book	Chapter Edited	Page No
M.Narayanaswamy	Obstetrics For Postgraduates And Practitioners	Anaemia In Pregnancy	99-106
M.Narayanaswamy	Gynaecology For Postgraduates And Practitioners	1) Genital Prolapse 2) Fibromyoma Of Uterus	443-447 459-472

→ Books edited

Faculty	Book	Year
M. Narayanaswamy	Gynaecology For Undergraduates. The Five Fingers	2006
M. Narayanaswamy	Obstetrics For Undergraduates. The Five Fingers	2006
M. Narayanaswamy	Midwifery	2008

→ Books with ISBN with details of publishers

→ Gynaecology for Undergraduates. The five fingers

ISBN : 8172252277, 9788172252274

PUBLISHER: Bi Publications Pvt Ltd.

54 Janpath, New delhi-110001

→ Obstetrics for undergraduates. The five fingers.

ISBN : 81-7225-228-5

PUBLISHER: Bi Publications Pvt Ltd.

54 Janpath, New delhi-110001

→ Midwifery

ISBN : 978-81-7225-314-1

PUBLISHER: Bi Publications Pvt Ltd.

54 Janpath, New delhi-110001

- ➔ Number listed in international data base(for eg Web of science, scopus, humanities international complete, Dare database- international social sciences directory, EBSCO host, Medline, etc.)

Articles Pubmed Indexed: 17

Articles Scopus Indexed: 09

See Annexure II for the List of all Articles

- ➔ Scopus Citation index- range / average

Citation index range: 0-1

- ➔ SNIP- 0.004-1.506

- ➔ SJR- 0.102-1.632

- ➔ ISI Impact factor- Range / Average

ISI Impact Factor range : - 0.88-4.59

- ➔ H- index

Range	Average	Highest
0-1	1	1

Sl.no	Name of Faculty	H-index of author
1	Dr.Narayanaswamy.M	1
2	Dr.Sheela.S.R	1
3	Dr.Sunita.V	1
4	Dr.Gomathy.E	1

Prized articles:

- ➔ Singh G, Sunita V: Double uteri with cervicovaginal agenesis. Fertil Steril 2016, 2008: 2013–2015.
- ➔ Parimala S, Gokul B N, Sheela S R, Sriramulu P N, Beena P M. Necrotising fasciitis due to multidrug resistant Acinetobacter Baumannii; Treatment options. J Clin Biomed Sci 2012; 2: 87-89.
- ➔ Gomathy E, Sheela S R, Lakshmi G. Uterus didelphys with unilateral vaginal obstruction having single pregnancy in her right horn : A case report. J Clin Biomed Sci 2013; 3:143-45.

➔ Vidyashree, Munikrishna M. Comparative study of 25µg versus 50µg of intravaginal misoprostol for induction of labor. J Clin Biomed Sci 2013; 3:129-32.

Mannem Chethana, Harendra Kumar ML , Munikrishna M.

Endometrial Changes in Uterine Leiomyomas. J Clin Biomed Sci 2013;3 :72-79.

23. Detail of patents and income generated

– Nil

24. Areas of consultancy and income generated

Training of medical officers of Kolar District. An average income of Rs 60,000 is generated per year.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

- Nil

26. Faculty serving in

- a) National committees b) Internal committees c) Editorial Boards d) any other (specify) :Nil

27. Faculty recharging strategies (Refresher/orientation programs, workshops, training programs and similar programs.)

- a. CME
- b. Work shops
- c. Conferences
- d. Medical Education Technology Workshops
- e. Faculty have been trained in research methodology
- f. Some of our staff underwent special training in ultrasonography, gynaec endoscopy, gynaec oncology.
- g. Some of our staff underwent NTTC training in JIPMER.

28. Students projects

- ➔ Percentage of students who have taken up in – house projects including inter-departmental projects.
- ➔ UG (1 student)
- ➔ PG 100% (Inclusive of Dissertations)
- ➔ Percentage of students doing projects in collaboration with other universities/industry/institute - Nil

29. Awards /recognition received at the national and international level by

- ➔ Faculty:
 - Prof M Narayanaswamy
 - ‘Dr. Amarendranath Dan’ prize for best paper in MCH case, AICOG-2010
 - Awarded fellowship of ICOG
- ➔ Doctoral / post-doctoral fellows - Nil
- ➔ Students – Nil

30. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Seminars/Conferences/Workshops organized by the department and are funded by the university.

No of CMEs organized by the Department of obstetrics and gynaecology is **8**.

No. of workshops organized by the Department of obstetrics and gynaecology is **4**

No. of guest lectures is **6**

Total CME/ Workshop & other programs conducted

Year	CME	WORKSHOPS	GUESTLECTURE
2009	01		
2010	01		
2011	01		02
2012	01		02

2013	03	03	02
2014		00	
2015	01	01	

See Annexure IV for the List of CMEs and workshops conducted by the Department

31. Code of ethics for research followed by the departments :

Ethical Committee established based on ICMR guidelines.

32. Students profile program-wise:

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UNDER GRADUATE COURSE					
Jan 2012	1929	47	54	100%	100%
July 2012		13	12	100%	100%
Jan 2013	3820				
July 2013		12	3	33.33%	66.66%
Jan 2014	2051				
July 2014					
POST GRADUATE COURSE					
	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2008-09 Degree	1012	0	2	-	100%
2008-09 Diploma		1	3	100%	100%
2009-10 Degree	1559	0	3	-	66.66%
2009-10 Diploma		0	4	-	75%
2010-11 Degree	1050	1	5	100%	100%
2010-11 Diploma		0	3	-	66.66%
2011-12 Degree	929	0	4	-	100%
2011-12 Diploma		0	3	-	100%
2012-13 Degree	1067	0	6	-	83.33%
2012-13 Diploma		0	3		100%
2013-14 Degree	1047	0	6	Yet to appear for exams	
2013-14 Diploma		0	3	-	100%
2014-15 Degree	1130	0	6	Yet to appear for exams	
2014-15 Diploma		1	2		

33.Diversity of students

Name of the Program (Refer to question no.4)	From the Same State	Out side the State	Out Side the Country	
2007-08	33 %	67 %	0 %	

2008-09	16 %	81 %	3 %	
2009-10	32 %	56 %	12 %	
2010-11	40 %	50 %	10 %	
2011-12	43 %	42 %	15 %	
2012-13	31 %	56 %	13 %	
2013-14	27 %	62 %	11 %	
2014-15	26 %	73 %	1 %	
Name of the Program (Refer to question no.4)	% of students from the same University	% of students from other universities within the State	% of students from Universities outside the State	% of students from other countries
PG				
2007-08	Degree	100%		
	Diploma	75%	25%	
2008-09	Degree	33.33%	66.66%	
	Diploma	25%	75%	
2009-10	Degree		100%	
	Diploma	50%	25%	
2010-11	Degree	16.66%	33.33%	
	Diploma		33.33%	
2011-12	Degree	66.66%	33.33%	
	Diploma	66.66%	33.33%	
2012-13	Degree	33.33%	66.66%	
	Diploma	33.33%	66.66%	
2013-14	Degree	16.66%	83.33%	
	Diploma	33.33%	66.66%	
2014-15	Degree	50%	50%	
	Diploma	33.33%	66.66%	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

– Nil

35. Students progression

Students progression	Percentage against enrolled
UG to PG	6%
PG to M.Phil, DM / M Ch /DNB	0
PG to Ph.D	0

Ph.D to Post – Doctoral	0
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	

36.Diversity of staff

Percentage of faculty who are graduates of the same university		PERCENTAGE
From other universities within the state	15	75%
From the universities from other states	5	25%
From the universities outside the country	--	--

37. Number of faculty who were awarded M.Phil, DM, Ph.D, D.Sc, and D.Litt. during the assessment period

– Nil

38. Present details of departmental infrastructural facilities with regard to

Library	<p>Total number of books on OBG in library : 2612</p> <p>Total number of books in OBG Department: 248</p> <p>Journals:</p> <p>International and national In Print version subscribed: 4 International and national Online E- Journals subscribed: 10</p> <p>Total free online journals: 39</p> <p>E- books : 59</p> <p>CD's and DVD's on OBG: 11</p> <p>HELINET consortium,</p> <p>Science Direct,</p> <p>LWW,</p> <p>JP Digital</p>
Internet Facilities for staff and students	<p>Available.</p> <ul style="list-style-type: none"> • WiFi & LAN • All PGs provided with laptops • All faculty having personal laptops for teaching and research activities

	<ul style="list-style-type: none"> • 2 desktops with laser printers
Total number of classrooms	<ul style="list-style-type: none"> • 5 common lecture galleries • 2 seminar rooms • 1 demonstration room
Classrooms with ICT facility and smart classrooms	All class rooms equipped with smart classroom facility with LCD facilities
Student laboratories	<p>SKILL LAB</p> <p>DEPARTMENTAL MUSEUM :</p> <ul style="list-style-type: none"> • Specimens -33 • Mannequins for demonstrations: 6 (3 Maternal pelvis & 3 fetuses) • Models- 4
Research laboratories	<ul style="list-style-type: none"> • Central research laboratory • Genome laboratory

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institutions/university ---NIL
- b) from other institutions/universities ---NIL

40. Number of post graduate students getting financial assistance from the university-

All PGs receive stipend.

41. Was any need assessment exercise undertaken before development of new programs – if so highlight the methodology. NIL

42. Does the department obtain feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes how does the department utilize the feedback?
Feedback is discussed and analysed during faculty and departmental monthly meetings, then presented before the Board of Studies and final approval is given by the Academic council.

- b) Students on staff, curriculum, and teaching learning evaluation and how does the department utilize the feedback?

Annual feedback is obtained from the UG students and PG students every year.

- c) Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback is obtained from the alumni and is utilized to make the essential changes in the teaching-learning modules.

43. List the distinguished alumni of the department (maximum 10)

Sl. No	NAME	YEAR OF PG	PRESENT POSITION
1	Dr. Malathi	2010-11	Asst. Professor, Sri Venkateshwara Institute of Medical Sciences, Dept of OBG, Tirupati
2	Dr. Pooja	2011-12	Asst. Professor, Vydehi Medical College, Bangalore
3	Dr. Himabindu	2009-10	Fellowship in Fetal Medicine consultant in Bangalore city medical centre
4	Dr. Chandramouli	2010-11	Asst. Professor, MVJ medical college, Bangalore
5	Dr. Ashwini	2011-12	Asst. Professor, MVJ medical college, Bangalore
6	Dr. Shylaja	2005-06	Trained in Fetal medicine at Medi scans Chennai Consultant, Cloud 9 Bangalore
7	Dr. Dr. Vidyashri Pooja	2010-2011	Fellowship , ICOG Gynaec-Endoscopy Senior resident, KMC Manipal, Mangalore

44. Give the details of the students enrichment programs (special lectures/ workshops/ seminars) involving external experts.

CMEs, Workshops, Guest lectures, Quiz, CPC, Conferences, provide opportunities to interact with the external experts.

In house orientation courses, CPCs, Interdepartmental symposiums are conducted for the benefit of both UG's and PG's .

Refer to Annexure IV, VI for details of the CMEs, Workshops, Guest lectures, Interdepartmental symposiums.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Undergraduate <ul style="list-style-type: none"> • Didactic Lectures • Clinical Case discussion • Group discussions • Tutorials • Practical demonstrations • Student counselling & • Mentorship programmes for poor achievers. 	Postgraduate <ul style="list-style-type: none"> • Seminars/Symposia • Case discussions • Journal club • Pedagogy • Grand rounds • Daily clinical audit • Maternal mortality audit • Perinatal mortality audit • Obstetric drills • Panel discussions • Interdepartmental symposia • Internal rotation (interdisciplinary)& External postings • Objectives for external postings of post-graduate students formulated • Student counselling
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46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Undergraduate <ul style="list-style-type: none"> • Evaluation of student record books • Internal assessment tests -theory and practicals & Viva Voce. • Academic performance record. • Strict adherence to teaching schedules. • Performance of UG's discussed in monthly departmental meet. • Updating the student performance to the parents at the end of each semester 	Postgraduate <ul style="list-style-type: none"> • Assessment with scores of students for performance/presentations • Log book review • Thesis reviews with half yearly progress report • Monthly Internal assessments • Annual and pre-final theory & practical viva-voce assessments • Daily clinical audit. • Work based assessment. • Strict adherence to teaching schedules. • Performance of PG's discussed in monthly departmental meet.
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47. Highlight the participation of students and faculty in extension activities:

MCH camps

General health camps

Cancer detection camps
Women empowerment programs
ARSH program
Swachh Bharat Abhiyan Programme-2 hours per week
Mother's day celebration programs

48. Give details of “beyond syllabus scholarly activities” of the department.

- Faculty as Resource persons/guest lectures and attended conferences /workshops attended/paper presentations.
- Conferences /workshops attended/paper presentations by PGs
- DEMEDCON- inter and intra college conference for UGs.
- Participated in Science exhibition 2015 for the public
- YOGA program

See Annexure V, VIII for the conferences /workshops attended/paper presentations presented by the postgraduates and staff members.

49. State whether the program/department is accredited /graded by other agencies?

Yes.

Accredited by **ISO 9001 : 2009** and **NAAC** Certified 2006.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Paternal MTHFR mutation C677T is also a cause for recurrent spontaneous abortions.
- Xanthine oxidase as a new marker in early understanding of preeclampsia.

3. Higher levels of TSH and low levels of T3, T4 and dyslipidemia are more pronounced and significant in pre-eclampsia group than normotensive group.
4. Serum inhibin levels are increased in pre-eclampsia and rise with the severity of disease.
5. Leptin and LDH levels are elevated in cases with pre-eclampsia.
6. Oral nifedipine is preferred to control blood pressure in severe pre-eclampsia. Injection Labetalol is used in unconscious or drowsy patients.
7. Umbilical coiling index is a predictor of perinatal outcome.
8. Induction of labor in pregnancy beyond 40 weeks is associated with less perinatal morbidity compared to spontaneous labor.
9. Universal screening for hypothyroidism should be done in first trimester to reduce adverse pregnancy outcome.
10. Misoprostol 50mcg intravaginally is more efficacious than 25mcg intravaginal misoprostol but it appears to be less safe both for the mother and the fetus.

51. Details of five major strengths, weaknesses, opportunities and challenges (SWOC) of the department.

STRENGTHS OF OUR DEPARTMENT

- ➔ Well Qualified, Experienced Faculty.
- ➔ Daily clinical audit - since 20 years, which helps postgraduates and junior faculty to manage cases better.
- ➔ Ours is a tertiary referral center for critical obstetric cases in and around Kolar district.
- ➔ Increasing number of deliveries and patients admissions over a period of time.
- ➔ Workshop for medical and paramedical personnel on Helping Mother Survive. (to reduce PPH & maternal mortality).

- ➔ MCH camps every Wednesday's at three near PHC's.
- ➔ Training programme of MOs is run by the department.
- ➔ Recognized centre for ICTC.

WEAKNESSES

- ➔ Difficulty in starting fetal medicine unit owing to poverty in the region.
- ➔ Difficulty in establishing an elaborate infertility setup due to the non-affordability of the patients.
- ➔ Inability to retain junior faculty.
- ➔ Inadequate time for research work as more time is spent on treating high risk obstetric patients.

OPPORTUNITIES

- ➔ Advanced molecular research in diseases like preeclampsia (availability of Genome laboratory and tie-up with institutes of excellence)
- ➔ Starting more student based research projects.
- ➔ Enforcement of department museum.

CHALLENGES

- ➔ Creating awareness regarding cervical cancer screening.
- ➔ Educating the society regarding safe motherhood, institutional deliveries, family planning.
- ➔ To establish subspecialities like gynaec oncology and gynaec endoscopy.
- ➔ To become a centre of excellence in regard to teaching – learning and clinical care.

52. Future plans of the department.

- ➔ To develop speciality care in Gynec oncology to cater to rural patients.
- ➔ To further strengthen the quality of teaching, training and research to provide value based education.
- ➔ Encourage Research Projects sponsored by national/international funding agencies.

Evaluative report of the Department of Urology

1. **Name of the Department** : Department of Urology
2. **Year of establishment** : 2001
3. **Is the Department part of a college/Faculty of the university?**
Part of faculty of University
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)** : Nil
5. **Interdisciplinary programs and departments involved** : Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System** : Nil
9. **Participation of the department in the courses offered by other departments**

MS General Surgery 2 month rotation posting

Sl. No.	Department	Program	Activity
1.	Undergraduate Course	MBBS	Teaching Theory
2.	Post Graduate Course	MS(General surgery)	Theory One month clinical posting, seminars, journal clubs, CPC, Case discussion, Operative urology.

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual
Professor	1	2	
Associate Professor	1	1	
Assistant Professor	2	3	
Senior Resident	2	Nil	
Junior Resident	4	Nil	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience
Dr. Ratkal Chandrashekar	MBBS,MS,M.Ch	Prof. & HOD	Urology	30yrs
Dr. Ravish	MBBS, MS, M.CH	Professor	Urology	8 yrs
Dr. Vinay Patil	MBBS,MS, M.Ch	Associate Prof.	Urology	10 yrs
Dr. Mohan	MBBS,MS, M.Ch	Assistant Prof.	Urology	8 yrs
Dr. Govardhan	MBBS,MS, DNB	Assistant Prof.	Urology	10 yrs
Dr. Girish H	MBBS,MS, DNB	Assistant Prof.	Urology	04 yrs

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

:Nil

14. Program-wise Student Teacher Ratio

SL No	Name of the program	Batch & Semester	Total Number of	Number of teachers	Students per Teacher
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.			students program wise	involved in teaching activity	er - ratio
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15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
14)	Research assistant[technical]			
15)	Computer operator & Clerk*	1	1	
16)	Lab Attendants			
17)	Sweepers			

16. Research thrust areas as recognized by major funding agencies

→ Genito- urinary fistulae

→ Reconstructive Urology: Urethroplasty

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :Nil

18. Inter-institutional collaborative projects and associated grants received

aa) National collaboration : Nil

bb) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- ➔ state recognition : University establish Genomic Lab
- ➔ national recognition : Cell Biology Lab
- ➔ international recognition : Imaging Lab

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications:

- * Number of papers published in peer reviewed journals (national / international) : 12
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : .
- * Citation Index – range / average : 5:5
- * SNIP : Nil
- * SJR : Nil
- * Impact Factor – range / average : Nil
- * h-index : 1:1

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad** :Nil
26. **Faculty serving in**
 - a) National committees b) International committees c) Editorial Boards
 - d) any other (specify) :Nil
27. **Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**
 - ➔ Attending Workshops, Conferences, CME,s.
28. **Student projects**
 - ➔ percentage of students who have taken up in-house projects including inter-departmental projects : Nil
 - ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil
29. **Awards / recognitions received at the national and international level by**
 - ➔ Faculty : Nil
 - ➔ Doctoral / post doctoral fellows : Nil
 - ➔ Students : Nil
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.** :Nil
31. **Code of ethics for research followed by the departments**
 - ➔ Institutional ethics committee guidelines.
 - ➔ As per ICMR guidelines
 - ➔ Schedule Y of drugs & cosmetic act.
 - ➔ As per MCI guidelines
32. **Student profile program-wise** : Nil
33. **Diversity of students** : Nil

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.** : Nil

35. **Student progression**

Nil

36. **Diversity of staff**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	100%
from universities from other States	Nil
from universities outside the country	Nil

37. **Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period** : Nil

38. **Present details of departmental infrastructural facilities with regard to**

- a) Library : 50 Books
- b) Internet facilities for staff and students : Present
- c) Total number of class rooms : 1
- d) Class rooms with ICT facility and 'smart' class rooms : 1
- e) Students' laboratories : Available
- f) Research laboratories : Available

39. **List of doctoral, post-doctoral students and Research Associates**

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

40. **Number of post graduate students getting financial assistance from the university.** : Nil

41. **Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

Nil

42. **Does the department obtain feedback from**

jj. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

kk. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

ll. Alumni and employers on the programs offered and how does the department utilize the feedback?

43. **List the distinguished alumni of the department (maximum 10)**

Nil

44. **Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

Attend CPC

45. **List the teaching methods adopted by the faculty for different programs including clinical teaching.**

- ➔ Theory classes,
- ➔ Case discussions,
- ➔ Seminars journal clubs
- ➔ Operative Sessions.

46. **How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Question –answer session at end of the lectures.

47. **Highlight the participation of students and faculty in extension activities.**

Attend Health Camps Conducted by SVVARNA AROGYA SURAKSHA TRUST

48. **Give details of “beyond syllabus scholarly activities” of the department.** :Nil

49. **State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

→ NAAC Certification.

→ ISO 1900:2006 Certification

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

Applied for the MCh Urology program.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength :

- i) State of art equipments in departments with availability of Saline TURP, Laparoscopic instruments, laser, ESWL machine & Urodynamic lab.
- ii) Highly experienced teaching staff.
- iii) Experience is handling all subspecialty in urology.
- iv) Good support from University, hospital & also allied branches.
- v) Good imaging lab.

Weakness:

Opportunity:

- i) Starting Mch Urology program
- ii) Acquiring large volume of patient input.
- iii) Opening up research areas.

Challenges:

- i) Training technicians in specialized areas like operating C-Arm & ESWL.

52. Future plans of the department.

- i) To start MCh in Urology
- ii) To acquire research programs in place

Evaluative report of the Department of Psychiatry

1. **Name of the Department** : Department of Psychiatry
2. **Year of establishment** : 1994
3. **Is the Department part of a college/Faculty of the university?**
Yes
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) Under Graduate program
viii) MBBS
5. **Interdisciplinary programs and departments involved**
 - ➔ The department of Psychiatry conducts and participates in postgraduate Inter- departmental
 - ➔ Symposium, Clinico pathological meet and Mortality meeting in association with department of
 - ➔ Medicine, Physiology, Pharmacology, Dermatology and Paediatrics.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**
As per MCI Regulations
9. **Participation of the department in the courses offered by other departments**
MD Postgraduate from the Department of Medicine, Physiology,

Pharmacology and Dermatology are posted to Department of Psychiatry in regular basis (as part of external posting).

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor/Reader	1	Ad given to fill up vacancy	-
Assistant Professor	1	1	1
Lecturer	1	1	1
Tutor/Clinical Instructor	3	3	3
Senior Resident	1	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of experience	No of MD student guided for the last four years
1.	Dr. Mohan Reddy M	MBBS,MD	Professor & Head	Mood disorders, deaddiction medicine	15 yrs	03
2.	Dr. Mona Nongmeikapam	MBBS,MD	Assistant Professor	Child and adolescent psychiatry	05 yrs	Nil
3.	Dr. Ruth Sneha C	MBBS,MD,DPM	Lecturer	ECT, Geriatric psychiatry	05 yrs 8 mnts	Nil
4.	Dr. Jagadish S.N	M.Sc, Ph.D	Clinical psychologist /Assistant Professor	Sexual medicine	03 yrs	Nil

5.	Dr. Srinivas Reddy	MBBS	Senior resident		06 yrs	Nil
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12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors**
Nil

13. **Percentage of classes taken by temporary faculty – program-wise information** : Nil

14. **Program-wise Student Teacher Ratio**

SL. No.	Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1	MBBS	V and VI semester	15	3	5 : 1

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual**

Sl. No.	Designation	Sanctioned	Filled	Actual
18)	Academic support staff	01	01	
19)	Administrative staff	01	01	

16. **Research thrust areas as recognized by major funding agencies**

- ➔ Community Psychiatry
- ➔ Stress Management
- ➔ Counselling & Psychotherapy
- ➔ Mood Disorders
- ➔ Suicides
- ➔ Voltametric analysis

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sr. No.	Name of Conference/workshop (with date/month/year)	source of funding	Outstanding Participants	Total No. of Delegates
1	World Suicide Prevention Day	SDUAHER	168	05
2	World Mental Health Day	SDUAHER	145	05

18. Inter-institutional collaborative projects and associated grants received

cc) National collaboration : Nil

dd) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

➔ State recognition : Nil

➔ National recognition : Nil

➔ International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil

22. Publications:

➔ Number of papers published in peer reviewed journals : 12

➔ National : 09

➔ International : 03

➔ Monographs : Nil

- ➔ Chapters in Books : Nil
- ➔ Books edited : Nil
- ➔ Books with ISBN with details of publishers : Nil
- ➔ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)

- ➔ Citation Index – range / average : 0-01
- ➔ ISI Impact factor : 0-4.152
- ➔ SNIP : 0.303-1.43
- ➔ SJR : 0.216-1.099
- ➔ h-index : 3018

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated**

The facility of EEG is available in the department. The monthly income of Rs.24.000/- is generated.

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad** : Nil

26. **Faculty serving in**

a) National committees

IPS (Indian Psychiatric Society) Members:-

- ➔ Dr. Mohan Reddy M
- ➔ Dr. Mona Nongmeikapam
- ➔ Dr. Ruth Sneha C

IMA (Indian Medical Association) Member:-

- ➔ Dr. Mohan Reddy M

b) International committees : Nil

c) Editorial Boards

JEMEDS (Journal of Evolution of Medical and Dental Sciences)

- ➔ Dr. Mohan Reddy M

d) any other (specify)

ICMR: MRC - UK Research project reviewer : Dr. Mohan Reddy M

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

National Research Methodology workshop, Evidence based medicine workshop, orientation workshop in mentorship of Medical students.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : Nil
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sr. No.	Title of Research Projects	Names of Investigators/Co-Investigators	Funding Agency	Grant Sectioned	Grant Received
1	“Use of Medical Student Stressor Questionnaire (MSSQ) in Assessing the incidence of Stress among undergraduates in a Medical College, Kolar and Quantifying the Wastage – A Longitudinal Study”	Dr.Mohan Reddy.M	SDUAHER	8,000/-	Nil
2	“Psychiatric Morbidity in Intensive Care Unit Patients”	Dr.Mohan Reddy.M	SDUAHER	8,000/-	Nil
3	“Awareness and Attitude towards mental illness among a Rural Population”	Dr.Mohan Reddy.M	SDUAHER	8,000/-	Nil

31. Code of ethics for research followed by the departments

Yes, as laid down by the Institutional ethical committee.

32. Student profile program-wise : Nil

33. Diversity of students : Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	As per CET Conducted by SDUAHER.
PG to M.Phil.DM/M.ch/DNB	Nil
PG TO Ph.D.	Nil
Ph.D. to Post- doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Nil
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	4
from universities from other States	1
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc.

and D.Litt. during the assessment period : 1

38. Present details of departmental infrastructural facilities with regard to

- a) Library : **Yes**
- b) Internet facilities for staff and students : Available
- c) Total number of class rooms
2 Case Demonstration and Seminar hall
- d) Class rooms with ICT facility and 'smart' class rooms :
Yes

e) Students' laboratories :Yes

f) Research laboratories :Yes

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : Nil

b) from other institutions/universities : Nil

40. **Number of post graduate students getting financial assistance from the university.** :Nil

41. **Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

No new programs has been initiated from the department.

42. **Does the department obtain feedback from**

mm. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, The feedback will be utilized to improve PG and UG teaching program

nn. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, feedback will be utilized to promote continuous improvement in view of recent advances. Curriculum updates are made on need basis.

oo. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback will be utilized to promote & improve up the teaching learning activities, curricular updates and quality patient care.

43. **List the distinguished alumni of the department (maximum 10)**

Nil

44. **Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.**

Regular workshops/Seminars/CME are being held for enriching the skill and knowledge of students.

45. **List the teaching methods adopted by the faculty for different programs including clinical teaching.**

The teachers assigned to each programme adapt following teaching methods in single or in combination to improve the students learning:

- ➔ Seminars
- ➔ Journal Club
- ➔ Case Presentation
- ➔ Group Discussion

46. **How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Regular student feedback and periodic internal assessment examinations are conducted.

47. **Highlight the participation of students and faculty in extension activities.**

- ➔ Students and faculty participate in “Swachh Bharat Abhiyan”
- ➔ The staff also participates in providing Community Psychiatry Health Services to general public on every Tuesday in different taluks in Kolar district as part of ‘MANOCHAMANYA PROGRAMME’.

48. **Give details of “beyond syllabus scholarly activities” of the department.**

The faculty and the students participate regularly in Camps, Exhibition and Awareness Programs organized by the university

49. **State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

CME programs of the department is accredited with 2 credit hours by KMC Accreditation Committee.

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

By doing research, the knowledge gained is utilized for providing the best teaching learning experience and to promote evidence based medicine for patients.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength :

- ➔ Running specialty clinics.(Child Psychiatry, Community Psychiatry, De-addiction Clinic and Geriatric Psychiatry on specific days of the week)
- ➔ Well qualified faculty

Weakness:

- ➔ To improve upon the outpatients and maintain inpatient bed occupancy above 80% most of the time.

Opportunity:

- ➔ Research in various fields of Psychiatry

Challenges:

- ➔ Starting fellowship programs in Counselling and Psychotherapy

52. Future plans of the department.

- ➔ To start MD (Psychiatry) Course in the department.
- ➔ To provide Psychiatric Rehabilitation services to the Community.

Evaluative report of the Department of Paediatrics

1. **Name of the Department** : Paediatrics
2. **Year of establishment** : 1988
3. **Is the Department part of a college/Faculty of the university?**
Yes, the faculty of University
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
 - A) Under Graduate program
 - ix) MBBS
 - B) PG Program
 - vii) MD Paediatrics
 - C) Post Graduate Diploma
 - i) DCH
5. **Interdisciplinary programs and departments involved** : Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
 - MBBS - Annual
 - MD/DCH - At the end of the course
9. **Participation of the department in the courses offered by other departments**

Course	Department	Activity
MBBS	Pre and Para clinical	Vertical teaching
MD	Pathology	CPC PG Rotation Postings Co Guide for theses

MD	Biochemistry, Pathology, Pharmacology, Medicine, Surgery, Radiology, OBG Dermatology, Community Medicine	Interdepartmental PG Symposium PG Rotation Postings Co Guide for theses Mortality Meeting PG integrated teaching
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**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned *(Academy)	Sanctioned (MCI)	Filled	Actual (including CAS & MPS)
Professor	3	1	3	3
Assoc Prof	4	4	2	2
Asst Prof	4	4	3	2
Others (Senior Residents)	5	5	4	4
Others (Junior Residents)	13	13	13	13
Total	29	27	24	24

*sanctioned posts of university are 20% more than MCI requirement
irrespective
of cadres

**11. Faculty profile with name, qualification, designation, area of
specialization, experience and research under guidance**

Sl No	Name	Qualificatio n	Designatio n	Specialisat ion	Years of experience as on April 2015	Research guidance
1	Dr. K.N.V. Prasad	MBBS, MD, MRCPCH(U K)	Professor & HOD	Paediatrics	11 Y 11 M	4 MD
2	Dr.BeereGowda. Y.C.	MBBS, MD	Professor	Paediatrics	11 Y 11 M	8 MD
3	Dr.SudhaReddy.V .R	MBBS, MD	Professor	Paediatrics	7 Y 10 M	3 MD
4	Dr.J.Krishnappa	MBBS, MD	Assoc. Professor	Paediatrics	7Y 1M	1 MD
5	Dr.Bhanuchand.P	MBBS, MD	Assoc. Professor	Paediatrics	7Y	Nil
6	Dr.YellappaGowd a.N	MBBS, MD	Asst. Professor	Paediatrics	2 Y 10 M	Nil

7.	Dr.James Danil.S	MBBS,MD	Asst. Professor	Paediatrics	1 Y	NIL
8.	Dr.Anusha Deepthi	MBBS,MD	Asst Professor	Paediatrics	Fresher	Nil
8	Dr.Ambresh.R	MBBS, DCH	Sr.Resident	Paediatrics	3 Y 11 M	Nil
9	Dr.Ramanjaneya. G	MBBS, MD	Sr.Resident	Paediatrics	7 Y 1 M	Nil
10	Dr.Satheesha.S.R	MBBS, DCH, DNB	Sr.Resident	Paediatrics	1 Y 3 M	Nil
11	Dr.Satish.K	MBBS, DCH	Sr.Resident	Paediatrics	8 Y 9 M	Nil
12	Dr.ChallaHarisha	MBBS	Jr.Resident	Paediatrics	2 Y 11M	Nil
15	Dr.PuvadaSuvarnaRekha	MBBS	Jr.Resident	Paediatrics	1Y 9M	Nil
16	Dr.Siddarth Garg	MBBS	Jr.Resident	Paediatrics	1Y 11M	Nil
17	Dr.KaushikChidibomma	MBBS	Jr.Resident	Paediatrics	1Y 10M	Nil
20	Dr.Roshith.J.Kumar	MBBS	Jr.Resident	Paediatrics	1Y	Nil
21	Dr.Jyothi.A	MBBS	Jr.Resident	Paediatrics	1Y	Nil
22	Dr.Abhishek.P	MBBS	Jr.Resident	Paediatrics	11M	Nil
23	Dr.BinduChowdaryMullapudi	MBBS	Jr.Resident	Paediatrics	1Y	Nil
24	Dr.MalikireddyHimaBindu	MBBS	Jr.Resident	Paediatrics	11M	Nil
25	Dr. Rani.K.N	MBBS	Jr.Resident	Paediatrics	25 Y 7 M	Nil
26	Dr. Shruti Appaji	MBBS	Jr.Resident	Paediatrics	1 Y	Nil
27	Dr. Kusuma.N	MBBS	Jr.Resident	Paediatrics	1 Y	Nil
28	Dr. Shaik Sanaulla	MBBS	Jr.Resident	14-03-1983	1 Y	Nil
29	Dr. Vinay Kumar.R	MBBS	Jr.Resident	17-04-1984	15-06-2015	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

:Nil

14. Program-wise Student Teacher Ratio

Sl No	Name of program	Batch & Semester	Total No. of students program Wise	No. teachers involved in teaching Activities	Student teacher Ratio
1	MBBS	2012-13 VIth, VIIIth & IXth Semester	153	14	10.9:1
		2013-14 IIIrd, VIth, VIIIth & IXth Semesters	300	12	25:1
		2014-15 IVth, VIth, VIII & IXth Semesters	387	10	38.7:1
		2015-16 IVth, VIth, VIII & IXth	225	08	28.1:1
2	MD Paediatrics	2012-13	3	5	0.6:1
		2013-14	3	5	0.6:1
		2014-15	3	5	0.6:1
		2015-16	3	5	0.6:1
3	DCH	2012-13	2	5	0.4:1
		2013-14	2	5	0.4:1
		2014-15	2	5	0.4:1
		2015-16	2	5	0.4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
20)	Academic support staff	01	01	01
21)	Administrative staff	01	01	01

16. Research thrust areas as recognized by major funding agencies

- NEONATAL Research
ROP screening in new born

- NUTRITIONAL Research
Vitamin D supplementation
Micronutrient fortification for Immunity Status
- GENETICS AND DYSMORPHOLOGY Research
Molecular studies in congenital malformations

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl No	Title of Research Project	Name of faculty	Funding agency	Grants received (Rs)
1	Randomized Trial of two different doses of Vitamin D Supplementation and Risk of Acute Respiratory Infection in children in Rural Kolar – SDUAHER	Dr K N V Prasad, Dr Sudha Reddy VR	SDUAHER	5,00,000/-
2	Randomized Trial of effect of micronutrient of fortified biscuit on immunity status among school children in Rural Kolar (Karnataka)	Dr K N V Prasad	ITC, India	Applied for grant
3	Molecular studies in congenital malformations with incompatible and non-reflective cytogenetic findings	Dr K N V Prasad, Dr J Krishnappa	ICMR-DHR	Applied for grant

18. Inter-institutional collaborative projects and associated grants received

ee) National collaboration

ROP screening of newborns in collaboration with Narayana Nethralaya and Dept of Ophthalmology SDUMC ; funded by SDUAHER.

ff) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Molecular studies in congenital malformations with incompatible and non-reflective cytogenetic findings– applied for ICMR-DHR funding

20. Research facility / centre with

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :

- Genomic Central Research Laboratory- SDUAHER
- Skills Laboratory - SDUAHER

22. Publications:

- * Number of papers published in peer reviewed journals : 49
- * National : 29
- * International : 20
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Scopus : 10
- * PubMed : 18

- * Web of Science :09
- * Citation Index(Scopus) : 0-12
- * SNIP :0.004-0.904
- * SJR : 0.102-0.613
- * ISI Impact factor : 0.466-1.579
- * h-index : 0.3

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated**

Sl No	Title	Topic	Speaker	Date
1.	TOT for medical officers	Navajath Shishu Suraksha Karyakrama	Dr. BereGowda YC	From 2010 to till date every Quarterly

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad** :Nil

26. **Faculty serving in**

- a) National committees b) International committees c) Editorial Boards
d) any other (specify)

Dr Sudha Reddy V R -National Editorial Advisory Board- Indian Journal of Maternal, Fetal& Neonatal Medicine, Red Flower Publications

Dr .J. Krishnappa –Editorial Board member JCBS - 2013

- any other (please specify)

Dr BeeregowdaYC, Vice President, IAP Intensive Care Karnataka Chapter

Dr Beeregowda YC, Executive member, IAP Infectious Diseases, Karnataka Chapter

27. **Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

- ➔ Faculty of the department is regularly encouraged to attend workshop and seminars such as Basic MET workshop, Advanced

Course in Medical Education Technology, WPBA, Mentorship programmes, Research Methodology workshop and Soft skills workshop which has led to enrichment of skills of the faculty.

- ➔ Faculties are regularly attending Conferences, CMEs & Workshops conducted by other universities and institutions

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects
- ➔ 100% of MD students – Thesis;
- ➔ 50% of DCH students – Dr Abhishek - Vitamin D supplementation
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute :Nil

29. Awards / recognitions received at the national and international level by

Faculty

- Dr K N V Prasad – Membership of Royal College of Paediatrics and Child Health, UK.
- Dr.Sudha Reddy.V.R – Fellowship in Medical Education (MCI) 2015
- Doctoral / post doctoral fellows
- Dr.James Danel S – Fellowship in Neonatology (NNF) 2015

Doctoral / post doctoral fellows

Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl No.	Name of Conference/ Workshop(With date/Month/Year)	Source of Funding	Out standing participants	Total No. of Delegates
1	19-04-2011 Delivering a 12 th Silver Jubilee Guest Lecture <u>Topic:</u> “Abdominal wall defects in Newborn” By- Dr. Sanjeev Reddy, Neonatologist, University Hospital of North Stafford Shire, United Kingdom	SDUAHER	1	135
2	17-08-2011 CME on “Infectious diseases”	SDUAHER & IAP	4	156
3	22-12-2011 CME on “Lab in Paediatric Rheumatology and Recent advances in Orthopaedics”	SDUAHER	3	115
4	17-04-2012 CME on “Acute Otitis Media” <u>By:</u> - Dr. Natesh, Assoc. Prof. of Paediatrics, BMC Bangalore	SDUAHER	1	88
5	22-06-2012 CME & Workshop on “Common PICU Problems”	SDUAHER & IAP	4	164
6	10-10-2012 CME on “Inborn errors of metabolism”	SDUAHER	3	132
7	19-02-2013 CME on “Paediatric Respiratory Problems”	SDUAHER	4	144
8	11-09-2013 CME on “Neonatal Care – For Rural Health Care Providers”	SDUAHER & NNF	3	162
9	22.01.2014 Workshop on “New guidelines on PPTCT and EID of HIV”	SDUAHER	2	142
10	16.03.2014 Vaccines Update CME	SDUAHER & IAP	5	172
11	10.09.2014 CME on “Infectious Disease”	SDUAHER & IAP	4	170
12	27/01/2015 <u>Dr Praveen Ballabh, MD,</u> Professor of Paediatrics, Director, Vascular Neurosciences Laboratory, Maria FareriChildrens Hospital, Westchester Medical Centre, Valhalla, New York Guest Lecture on “ Germinal Matrix Haemorrhages in Premature Neonates”	SDUAHER	1	18

13	26/03/2015 Dr Sujatha Jali, MD, professor of Paediatrics, Director, Paediatric Diabetes Centre, JNMC, KLE University, Belgaum. 26/03/2015- Guest Lecture on Guidelines for management of IDDM.	SDUAHER	1	20
14	20-04-2015 CME on “Advances in Paediatric Critical Care”	SDUAHER & IAP	5	196
15	21.09.2015 CME on “ Safe OPD Paediatric Practice “	SDUAHER & IAP	2	188

31. Code of ethics for research followed by the departments

Central ethical committee registered under DCGI according to Schedule Y.

32. Student profile program-wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG(batch 2007-08)		52	47	93.6%	100%
UG(batch 2008-09)		53	54	96%	100%
UG(batch 2009-10)		56	59	96%	100%
UG(batch 2010-11)		59	59	97%	100%
UG(batch 2011-12)		75	57	96.5%	100%
PG2007					

33. Diversity of students

Name of the Program	% of students from other Universities within state	% of students from Universities outside the state	% of students from Universities outside the country
MBBS (batch 2007-08)	50	100	-
MBBS (batch 2008-09)	25	121	4
MBBS (batch 2009-10)	48	81	21
MBBS (batch 2010-11)	61	73	16
MBBS (batch 2011-12)	65	63	22
MBBS (batch 2012-13)	47	74	20
MBBS (batch 2013-14)	40	94	16
MBBS (batch 2014-15)	39	111	02
MD	10	-	

34. How many students have cleared Civil Services and Defense Services

examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

USMLE Part 1: Dr Kiran Reddy

35. Student progression

Student progression	Percentage against enrolled
UG to PG	04/13 (30.7%)
PG to M.Phil, DM / M Ch / DNB	Dr Sharath (DM-Neonatology)
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	100%
• Campus selection	-
• Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of staff

Percentage of faculty who are graduates		
	UG	PG
of the same university	36.6%	18.2%
from other universities within the State	54.5%	63.6%
from universities from other States	9%	18.2%
from universities outside the country		9%

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

g) Library

Paediatric departmental library books- As on 05/05/2015 – 168 books.

List of journals subscription for the year 2014-2015

➔ Journals-6

➔ Online journals-17

- h) Internet facilities for staff and students :Yes
- i) Total number of class rooms :3
- j) Class rooms with ICT facility and 'smart' class rooms :2
- k) Students' laboratories Bed side lab; Clinical skills lab for UGs.
- l) Research laboratories
Skills lab; Genomic & Proteomics lab; Allied health sciences lab

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

13 all PGs.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from

pp. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Based on the feedback, modifications in the curriculum and syllabus are intimated to the BOS for consideration and submitted to Academic council for final approval

qq. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Students' feedback is discussed in the monthly departmental meetings and appropriate changes are implemented.

rr. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, in the Academic Council meetings, duly implemented by the

changes advised by director of academics.

43. List the distinguished alumni of the department (maximum 10)

- ➔ Dr. Anil Chacko – Consultant Paediatrician, Sick Kids Hospital, Toronto.
- ➔ Dr. MD Harsha – Consultant Neonatologist, Australia.
- ➔ Dr. Arun Kumar-Assistant Prof(Pediatric oncology) Kidwai Institute of Medical Sciences and Research, Bangalore

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- ➔ Students Participate in CMEs, Conferences and Workshop at institutional Level and elsewhere
- ➔ Students Participate in university guest lectures

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- ➔ For UGs: Didactic lectures, Tutorials, Bedside clinical teaching, Demonstration
- ➔ For PGs: Long case presentation, Short case presentation, Subject seminar, Journal Club, Perinatal mortality case discussions, Monthly mortality and morbidity discussions; Pedagogy, Bedside discussions.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Undergraduate	Postgraduate
<ul style="list-style-type: none"> • Part completion tests • Internal Assessments • Viva-Voce • Mentoring of students • Counselling for poor performers • Updating the student performance to the parents at the end of each semester • Formative assessments (OSPE) and Work place based assessment • Student & faculty feedback. 	<ul style="list-style-type: none"> • Log book evaluation • Assessment of seminar/journal club with the help of a checklist • Evaluation by yearly internal examination. • Observing and reporting on the post graduate student's non-academic attributes • Formative assessments (OSPE) and Work place based assessment • Student & faculty feedback.

47. Highlight the participation of students and faculty in extension activities.

Students and Faculty participate in the following extension activities regularly-

- ➔ ORS day - SDUMC-29th July
- ➔ Breast Feeding Week - SDUMC-1st week of August
- ➔ Childrens Day-SDUMC-14th November
- ➔ World TB day - SDUMC-24th March
- ➔ Swatcha bharath-SDUAHER

48. Give details of “beyond syllabus scholarly activities” of the department.

- ➔ Faculty are actively involved in IAP-KDB & BPS activities
- ➔ Faculty generate public awareness by writing in newspapers & appearing in TV programmes
- ➔ Conduct school and public camps for creating awareness for health,
- ➔ Faculty contribute to college newsletter–Sankeerna regularly

- ➔ Participates in IAP Quiz yearly,
- ➔ Presentation of papers and posters by UG and PG students
- ➔ DeMedCon medical students' conference
- ➔ National Research Seminars-Yearly
- ➔ Participating in Science exhibitions
- ➔ Participating in orientation courses

49. **State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

- ➔ UG and PG course recognised by MCI
- ➔ NAAC 2006

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- ➔ Conducting research in problems of rural children,
- ➔ Innovative PG dissertation work,
- ➔ Publishing papers which highlight the rural emphasis

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength :

- i) Highly motivated and qualified faculty,
- ii) Well equipped 3 Intensive care units giving the best care in the community
- iii) Subsidized paediatric care with availability of Govt. Health schemes,
- iv) Well planned teaching learning activity with good coordination among faculty

Weakness:

- i) Sub-speciality Paediatrics
- ii) Research with grants from international agencies,

Opportunity:

- i) Well equipped Genomic lab within the campus
- ii) Well equipped library with availability of various facilities
- iii) Incentives for research

Challenges:

- i) To give pediatric care for uncared
- ii) Developing Paediatric sub-specialities
- iii) To get externally funded research projects
- iv) To involve UG s in research activities

52. Future plans of the department.

Plans for Clinical Care

- i) To improve, enrich and standardize the care in NICU and PICU with the goal to make intensive care as one of the best in the state,
- ii) To improve the Paediatric subspeciality follow up with a goal to start dedicated care for chronic systemic disorders in paediatrics.
- iii) To prepare evidence based protocols for childhood acute & chronic diseases management.
- iv) To develop a state of the art Paediatric Emergency department

Plans for Teaching

- i) To introduce OSCE as an evaluation tool in Summative University Exam for UG`s..
- ii) To introduce WPBA as formative assessment tool for the PG`s.
- iii) To enhance use of skill lab for both UG and PG teaching.

Plans for Research

- iv) To start research projects which get external funding (national/international).
- v) To involve under-graduates more in research of ICMR funding.
- vi) To start research in teaching and learning activity of paediatrics.

Evaluative Report of the Department of Otorhinolaryngology

1. Name of the Department

Otorhinolaryngology

2. Year of establishment

1988

3. Is the Department part of a college/ faculty of the university?

Faculty of the university

4. Names of the programs offered

- ➔ Undergraduate course: MBBS
- ➔ Postgraduate course: MS (ENT) and DLO
- ➔ Postdoctoral Fellowship in Head and Neck Oncosurgery
- ➔ PhD- Head and Neck Oncology

5. Interdisciplinary programs and departments involved.

Faculty member is a member of Board of Studies and co guide for M.Phil. And Ph.D. students, Department of Allied Health Sciences.

6. Course in collaboration with other universities, industries, foreign institutions, etc.

:Nil

7. Details of programs discontinued, if any, with reasons

:Nil

8. Examination system: Annual/semester/Trimester/Choice Based Credit System

- ➔ MBBS- Annual
- ➔ DLO- completion of the course-2yrs
- ➔ M.S (ENT)- completion of the course- 3 years
- ➔ Fellowship in head and neck Oncosurgery- completion of the course 2years.
- ➔ Ph.D.- completion of the course- 3years/5years

9. Participation of the Department in the courses offered by other departments

PG Courses Benefitted	Type of Participation	Details
M. S General Surgery	Clinical Case Discussions in Head and Neck Oncology	Helping PGs in Head and Neck Cases
M. D. Radiodiagnosis	Co Guide	Dissertations based on Head and Neck Topics Providing Clinical Data, Discussion and Guidance.
M. D. Pathology	Co Guide	Dissertations based on Head and Neck Topics Providing Clinical Data, Discussion and Guidance.
M. D. Pharmacology	Co Guide	Dissertations based on Head and Neck Topics Providing Clinical Data, Discussion and Guidance.

SPECIALITY CLINICS involving Specialists from other departments (Once a Week)

Clinic	Departments Involved	PG Courses Benefitted	Details
Joint Head and Neck Oncology Clinic	ENT and Head and Neck Surgeon, Medical Oncologist, Radiation Oncologist, Pathologist, Plastic Surgeon.	M. D (Pathology) M. S (General surgery)	Comprehensive Teaching and Problem Based learning for PGs as part of Joint Clinic in Head and Neck Oncology
Congenital Malformation Clinic	ENT and Head and Neck Surgeon, Pediatric Surgeon, Pediatrician, Audiologist.	M. D (Pediatrics) D. C. H (Pediatrics)	Comprehensive Teaching and Problem Based learning for PGs in ENT and Head and Neck Malformations

Participation in Clinico pathological conference SYMPOSIUMS involving Medicine, Surgery, Pathology, Radiotherapy, Radio diagnosis

Participation in Mortality Meetings

10. Number of the teaching posts sanctioned, filled and actual

	Sanctioned as per MCI	Available
Professor	1	2
Associate Professor/Reader	2	3
Assistant Professor/Lecturer	3	2
Lecturer/Sr. Resident	4	4
Total	10	
Sanctioned Posts of University are 20% more than the MCI Requirement, irrespective of cadres	2	
Grand Total	12	11

11. Faculty profile with name, qualification, designation, area of specialization and experience

Name	Qualification	Designation	Specialization / area of interest	Years of Experience	Experience as PG guide
Dr. Azeem Mohiyuddin S.M	MBBS, MS, Sekhsaria Fellowship in Head Neck OncoSurgery (TMH)	Prof and HOD	ENT, Head and Neck Surgery, pediatric airway emergencies, reconstructive surgery	19yrs,6 months	10 Years 6 Months
Dr. K. C. Prasad	MBBS, MS, Fellowship in Otology	Professor	ENT, Otology and endoscopic sinus surgery	10yrs,7 months	4 Years
Dr. Vinay Babu	MBBS, MS,	Associate Prof	ENT, Otology and endoscopic sinus surgery	7yrs, 10months	3 Years

Dr. Sagayaraj.A	MBBS, MS, Fellowship in Head Neck OncoSurgery	Associate Prof	ENT, Head and Neck Surgery, microvascular and reconstructive surgery	07yrs, 8months	3 Years
Dr.Chandrakala.S	MBBS, MS,	Associate Prof	ENT, Otolaryngology and endoscopic sinus surgery	06yrs, 11months	6 months
Dr. Merchant Shuaib Farooq	MBBS, MS, Fellowship in Head Neck OncoSurgery	Assistant Prof	ENT, Head and Neck Surgery, reconstructive surgery	02yr,10 months	–
Dr Kouser Mohammadi	MBBS, MS,	Assistant Prof	ENT	1yr,11 months	–
Dr Sindura S	MBBS, MS,	Senior Resident/Lecturer	ENT	1yr,10 months	–
Dr Prashanth Babu A	MBBS, MS,	Senior Resident/Lecturer	ENT	11 months	–
Dr Lakshmi Narayana	MBBS, MS,	Senior Resident	ENT	9 months	–
Dr Divya Jyothi	MBBS, MS,	Senior Resident	ENT	9 months	–

12. List of Senior Visiting Fellows, adjunct faculty, emeritus professor

- ➔ Dr Ravindra Padmakar DeoMS, DCCF (Gustave Roussy cancer institute, Paris), FICS Visiting Head and Neck Oncologist
- ➔ Dr Tapas Kumar Kundu (letter of invitation issued)Head of Transcription & Disease Laboratory and Molecular Biology & Genetics UnitJawaharlal Nehru Centre for Advanced Scientific Research, Bangalore

13. Percentage of classes taken by temporary faculty- program wise information : Nil

14. Program wise student-teacher ratio

Sl. No.	Name of the Program	Batch and Semester	Total No. of Students Program wise	No. of teachers involved in teaching activity	Student-Teacher Ratio
1	MBBS	4 th Sem	43	11	4:1
		6 th Sem	20	11	2:1
		7 th Sem	117	11	9:1
2	MS	1 st Year	4	5	1:1
		2 nd Year	4	5	1:1
		Final Year	4	5	1:1
3	DLO	1 st Year	2	5	1:1
		Final Year	2	5	1:1
4	Fellowship in Head & Neck Oncology	1 st Year	2	2	1:1
		Final Year	2	2	1:1

15. Number of academic support staff(technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Audiologist/Speech Language Pathologist	1	1	1
Technician/ Clerk	1	1	1
OPD Nurse	1	1	1
OT Nurse	2	2	2
OT Technician	1	1	1
Attenders	2	2	2

16. Research Thrust areas

- ➔ Peripheral vertigo and its management
- ➔ Micro surgery of the ear and endoscopic surgeries of the ear
- ➔ Endoscopic paranasal sinus and skull base surgery
- ➔ Neonatal deafness screening and early intervention
- ➔ Surgical management of Obstructive sleep apnea
- ➔ Surgical and non-surgical voice conservation in advanced laryngeal cancer
- ➔ Management of locally advanced oral cancer
- ➔ Epigenetics and tumor suppressor gene studies in oral cancer

- ➔ Reconstructions in head and neck- congenital defects and defects after resection of cancers
- ➔ Endoscopic removal of pediatric bronchial foreign bodies
- ➔ Phonosurgeries and management of voice disorders
- ➔ Surgeries for airway stenosis

17. No. of faculty with ongoing project from a) national b) international funding agencies and c) total grants received. Give the names of the funding agencies project title and grants received project wise.

S.No	Title of Topic	Principal investigator
1	Role of Otoendoscopes as an adjunct tool in canal wall up mastoidectomy for cholesteatoma.	Dr Chandrakala
2	Evaluation of central compartment lymph nodes for metastasis in thyroid cancer with No neck nodes	Dr Azeem Mohiyuddin S M
3	Evaluation of supramandibular facial lymph nodes for metastasis in carcinoma buccal mucosa	Dr Azeem Mohiyuddin
4.	Quantitative assessment of interleukin-6 levels in benign, premalignant and malignant lesions of oral cavity.	Dr Azeem Mohiyuddin
5.	Perioperative nutrition – Impact on wound healing in head and neck cancer patients.	Dr Divya jyothi
6.	Evaluation of change in threshold of smell after tracheostomy	Dr Azeem Mohiyuddin
7.	Prevention of Surgical Site infection in Head and Neck Surgery: Chlorhexidine vs Povidone Iodine	Dr Azeem Mohiyuddin
8.	Effect of Neoadjuvant chemotherapy on locoregional control in locally advanced Oral cancers.	Dr Azeem Mohiyuddin
9.	Studies on Histone and Non-Histone Protein Modifications in Oral Cancer: Implications in Therapeutics	Dr Tapas K Kundu and Dr S.M Azeem Mohiyuddin

Funding agency : SDUAHER

18. Inter institutional collaboration projects:

*Sri Devaraj Urs Academy of Higher Education and Research, Kolar
(Institution Deemed to be University)*

National Collaboration Projects: 3

1	Jawaharlal Nehru Centre for advanced scientific research, Bangalore	Studies on Histone and Non-Histone Protein Modifications in Oral Cancer: Implications in Therapeutics.	Ongoing
2	Indian institute of Science	Involvement of TSC genes and differential expression of other members of the mTOR signaling pathway in oral squamous cell carcinoma	Published
3	Indian institute of science	Primary Microcephaly Gene MCPH1 Shows Signatures of Tumor Suppressors and Is Regulated by miR-27a in Oral Squamous Cell Carcinoma	Published

International Collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE etc. :Nil

20. Research facility/ Centre with

➔ State recognition:

➔ National recognition:

1. Genomics and central research lab in our university, Department of Cell biology and Molecular Genetics
2. Collaborating and taking assistance from the Jawaharlal Nehru centre for advanced scientific research, for the ongoing research project.

➔ International recognition :

➔ University level :

1. Temporal bone dissection lab
2. Hospital central laboratory involving pathology, microbiology and biochemistry departments

3. Simulation and skill lab
4. Medical records department.
5. Imaging facilities – MRI, CT, Ultrasonography

21. Special research laboratories sponsored by/ created by industry or corporate bodies:

Nil

22. Publications

- ➔ Number of papers in peer reviewed journals (national/international): 35
- ➔ +3 (accepted for publication)

- ➔ Monographs : Nil
- ➔ Books: Dr. Vijay Govind Raj: Author of book- “ENT made easy”.
Dr. G. K Narayan: Author of book- “Ear Surgery”.

- ➔ Chapters in books : Nil

- Books edited : Nil
- Books with ISBN with details of publisher-

- ➔ G.K NARAYANA - EAR SURGERY, ISBN : 9380316097

- ➔ VIJAY GOVIND RAJ – ENT made easy, ISBN :

- Number listed in International Data bases(for e.g Web of science, scopus, humanities International complete, Dare Database –Interntational Social Sciences Directory, EBSCO HOST,Medline, etc)-23

- ➔ Citation index- range/ average : 1-71/4.3

- ➔ SNIP :

- ➔ SJR:

- BMC – cancer SJR-1.6 (1 article)
- Indian journal of otology – SJR- 0.13 (2 articles)
- Indian journal of surgical oncology- SJR – 0.188 (3 articles)
- Plos one –SJR-1.7 (1 article)

- ➔ European archive of otorhinolaryngology –SJR-0.54 (1 articles)

- ➔ Impact factor:

10 Articles are published in Journals with Impact Factor

Range	Average*	Highest
0.038-3.6	1.5	3.6

*Average impact factor of articles in Journals with Impact Factor

➔ Indexed Articles

Year	No. of Publications	Scopus Indexed	PubMed Indexed	Indexed by Other agencies
Before 2007	7	5	4	7
2007	-	-	-	-
2008	1	1	1	1
2009	-	-	-	-
2010	4	3	1	3
2011	1	-	-	1
2012	3	1	1	3
2013	11	1	1	11
2014	4	3	2	4
2015	2	1	1	2

Articles PubMed Indexed: 11

Articles Scopus Indexed: 15

See Annexure III for the List of Article Indexed by PubMed

➔ Citations: 9 articles are cited. Total Citations: 149

Article Wise Citations:

Range	Average	Highest
0 – 69	4.25	71

Author wise citations:

Range	Average	Highest
0 – 121	13.5	128

h-Index:

Range	Average	Highest
0-4	1.3	4

i-10 Index

Range	Average	Highest
0-3	0.3	3

23. Details of patents and income generated

:Nil

24. Areas of Consultancy and income generated:

Weekly visit and ENT and Head and Neck Consultations at BEML Hospital KGF from Jan 2011 to April 2012.

25. Faculty selected nationally / internationally to visit other laboratories/ institutions/ industries in India and Abroad.

- ➔ Faculty member underwent training in Microvascular free tissue transfer at Amrita Institute of medical sciences, Kochi in Feb 2015
- ➔ Teaching Faculty members have participated as invited faculty in national and All India Workshops and CMEs in ENT and Head and Neck Surgery – 40 times

26. Faculty serving in National, International committees and editorial boards

- ➔ Dr S M Azeem Mohiyuddin Reviewer of Indian Journal of Surgical Oncology

Selector for Head and Neck Oncology Fellowship in Kidwai Memorial Institute of Oncology, Bangalore

Former Executive Committee member of AOI Karnataka Chapter

All the faculty are members in various academic bodies.

27. Faculty recharging strategies (Refresher/ orientation programs, workshops, training programs and similar programs).

- ➔ Faculty are encouraged to attend conferences, workshops, CMEs of state, national and International Level.
- ➔ Faculty periodically attend UDOM workshops and Training Programmes.
- ➔ 1 Faculty has attended NTTC JIPMER and 2 have attended MET workshops.

28. Student Projects

- a) Percentage of students who have taken up in house projects including inter departmental projects
UG 1%
PG 100% (Inclusive of Dissertations)
- b) Percentage of students doing projects in collaboration with other universities/ industry/ institute.
Nil

29. Awards/ recognitions received at the national and international level by

a) FACULTY

i. Dr. S. M. Azeem Mohiyuddin

1. Won the Gurumurthy Gold medal for best paper among teaching faculty 3 times in annual state and south zone ENT conference – AOI (Karnataka)2004 at Mysore, AOI (Southzone) 2006 at Belgaum, AOI (Karnataka) 2007 at Mangalore.
2. For the sake of Honour Award by Rotary club, Bangalore in 2006.
3. Received Bharath Seva Ratan Gold Medal Award by GEPR at Chennai.
4. Selector for Head and Neck Oncology Fellowship Programme at KIDWAI Memorial Institute Bangalore.

ii. Dr. K C Prasad

1. Awarded Gold Medals:

- i. Dr. Purushottam Gold medal for Innovations in ENT (30th AOI Karnataka state conference-2012).
- ii. Dr.Vijayendra Gold Medal (30th AOI Karnataka state conference -2012)
- iii. Dr.K.V.Shah Gold Medal- AOICON 2014 -60th National conference of Association of Otolaryngologists of India (9-12 jan-2014) - Mysore.

iii. Dr. Sindhura S

- a) Gold medal for winning Quiz in RHINOCON 2012, Annual Conference of All India Rhinology Society.**

b) Post Doctoral Fellows

i. Dr. Prashanth Babu A

- ➔ Second place in Dr. Savior Home Post Graduate quiz competition held during 25th annual conference of North East Branch of AOI

ii. Dr. Lakshminaryana

- ➔ Gold medal in south zone conference Vijayawada quiz competition 2012.
- ➔ Runners in quiz conducted by 38th state AOI AP conference Nellore.
- ➔ Dr Singari Prabhakar Gold medal for Best presentation by junior consultant in AOIAP ENT state conference Sept 2015, Tirupathi.

c) Students

POSTGRADUATES

- ➔ Dr Oommen. M G - gold medal MS, SDUAHER- 2011
- ➔ Dr Lakshmi Menon and Dr Philip John --1st Prize in a national level head & neck oncology PG quiz 2013 at Amrita Institute of Medical Sciences, Kochi
- ➔ Dr Philip John -- Gold medal for innovation in ENT at AOI state conference at KMC Manipal in 2013.
- ➔ Dr Sheetal K -- SDUAHER Gold Medal in Surgery & Allied (MS) in 2014
- ➔ Dr Vasumathi -- SDUAHER Gold Medal in Surgery & Allied (Diploma) in 2014.
- ➔ Dr Harshitha -- SDUAHER Gold Medal in Surgery & Allied (MS) in 2015.

Undergraduates

- ➔ GOLD MEDAL IN UG QUIZ-2008

30. Seminar/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

SL. NO	Name of Conference/Workshop(with date/month/year)	Source of funding	Outstanding Participations	Total Number of Delegates
1	Topic- (1) Epigenetics & Cancer (2) Implications in Molecular Mechanism & Therapeutics,	SDUAHER	DR TAPAS KUNDU, DR P.R KRISHNASWAMY, DR S. CHANDRASHEKHAR SHETTY	
2	CME on “Cochlear implants”; Dr.ShankarB.Medikeri delivered the guest lecture. 28-08-2011	SDUAHER	DR. SHANKER MEDIKERI, DR G.K NARAYANA	40
3	CME on “Recent Advances in Otorhinolaryngology” 27-03-2012	SDUAHER	HIRANYE GOWDA	30
4	PG Teaching Programme in Head and Neck Oncology 14-02-2014 TO 15-02-2014	SDUAHER	DR AZEEM MOHIYUDDIN, DR ASHOK SHENOY, DR NANJUNDAPPA, DR RAVI P DEO, DR SAGAYARAJ, DR SANTOSH, DR PRASHANT	120
5	Endoscopic Ear Surgery – A Live Surgical Workshop. 22-04-2014 TO 23-04-2014	SDUAHER	DR R.N PATIL, DR MUTHUKUMAR, DR RAVINDRA GADAG, DR KHAJA NASEERUDDIN	40
6	CME cum Workshop on “Head & Neck Oncology-Live Workshop”. 22-08-2014 TO 23-08-2014	SDUAHER	DR AZEEM MOHIYUDDIN, DR PRATHAMESH PAI, DR SUBRAMNIAUM IYER, DR VIKRAM KEKTPURE, DR SAGAYRAJ A	50

31. Code of ethics for research followed by the department

- ➔ The department follows the ICMR guidelines for performing research on Human subjects and biological samples and the university has central ethics committee constituted as per Y schedule Drug and cosmetic act of ICMR guidelines.

- ➔ The committee has been recognized and registered with Drug Control general of India with Vide registration no. ECR/425/Inst/2013 dated 07th August 2013.

32. Student profile program- wise

Year	Program	No. of seats	Selected		Pass percentage (%)	
			Male	Female	Male	Female
2007-2008	MS	2	2	-	100	-
	DLO	2	2	-	100	-
2008-2009	MS	2	2	-	100	-
	DLO	2	-	1	-	100
2009-2010	MS	2	2	-	100	-
	DLO	2	1	1	100	100
2010-2011	MS	4	-	4	-	100
	DLO	2	-	-	-	-
2011-2012	MS	4	2	2	100	100
	DLO	2	-	-	-	-
	Fellowship	2	2	-	100	-
2012-2013	MS	4	3	1	100	100
	DLO	2	-	2		
2013-2014	MS	4	2	2		
	DLO	2	1	1		
	Fellowship	2	-	2		
	PhD	1	1	-		
2014-2015	PG	4	3	1		
	DLO	2	-	2		
	Fellowship	2	2	-		

33. Diversity of students

Year	Program	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
2007-2008	MS	-	100	-	-
	DLO	-	50	50	-
2008-2009	MS	-	50	50	-
	DLO	-	50	-	-
2009-2010	MS	-	-	-	100
	DLO	-	-	100	-
2010-2011	MS	25	50	25	-
	DLO	-	-	-	-
2011-2012	MS	-	50	50	-
	DLO	-	-	-	-
	Fellowship	-	100	-	-
2012-2013	MS	25	75	-	-
	DLO	-	-	100	-
2013-2014	MS	25	75	-	-
	DLO	-	-	100	-
	Fellowship	50	50	-	-
	PhD	-	100	-	-
2014-2015	MS	-	25	50	25
	DLO	-	50	-	50
	Fellowship	-	50	50	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations?

1 USMLE (After PG)

35. Student Progression

STUDENT PROGRESSION	PERCENTAGE AGAINST ENROLLED
UG to PG	
PG to M.Phil, DM/Mch/DNB	DLO to DNB:2 M.S to Mch :3 M.S to fellowship Head and neck Oncology : 5
PG to PhD	Nil
PhD to Post Doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	1

36. Diversity of staff

Percentage Of Faculty Who Are Graduates	
Of the same university	18.18%
From other university within the state	54.54%
From universities from other states	27.27%
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil. D.M, M.Ch. Ph. D, D. Sc. and D. Litt during the assessment period. : Nil

38. Present details of departmental infrastructural facilities with regard to.

A. Library:

- ➔ Central Library has total number of 661 books for Undergraduate, Post graduate and Faculty reference.
- ➔ Journals- Department Library has 135 Books for PG and Faculty reference.

B. Internet Facilities for staff and Students:

- ➔ We have two computers in the department. Both are furnished with Broadband Internet Facilities and Wi-Fi Connectivity. All faculty and PG students have individual Laptops.
- ➔ The Central Library has a computer section with internet facility. All students and staff has access the facility.

C. Total number of class rooms

- ➔ There are 5 class rooms shared by all the departments (for the theory classes). There are two seminar rooms in the department of Otorhinolaryngology and Head and Neck Surgery, which are utilized for PG teaching and Tutorial classes for Undergraduates.

D. Classrooms with ICT facility and smart class rooms : Nil

E. Students' laboratories : Nil

F. Research Laboratories:

- ➔ Temporal Bone Dissection Lab
- ➔ Well Equipped genome lab is getting the research needs of the department. The genome lab has the facilities for genetic analysis

Print			Online	P+O	Grand Total
Foreign	Indian	Total	Total	Total	
3	2	5	2	2	9

(PCR, Gene Frequencies), Karyotyping, FISH, Cell Culture facility.

39. List of doctoral, post-doctoral students and research associates**A) From the host institution/ university**

- ➔ One Faculty member enrolled for part time Ph.D.
- ➔ There are four faculty members who are perusing Post-Doctoral Fellowship in Head and Neck Surgery at present. And two faculty members have successfully completed the Post-Doctoral Fellowship Program in Head and Neck Surgery.

B) From other institutions/ universities : Nil

40. Number of post graduate students getting financial assistance from the university?

Monthly stipend for all PGs

41. Was any need assessment exercise was undertaken before the development of New Program?

As there is high prevalence of head and neck cancers in Kolar district a post doctoral fellowship programme in Head and Neck Oncosurgery was started after inspection by the then President of FHNO and Director of VIMS, Bellary.

42. Does the department obtain feedback from?

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- ➔ Monthly staff meeting discussion, curriculum and TLE feedback is taken and suggestions for improvement are considered. Decision is made after collective discussions. As per the changes of Units –the teaching program days were altered from 1/3/ 15.
- ➔ Suggestions are forwarded to BOS (surgery and allied) and from there to academic council.

b) Students on staff, curriculum and teaching-learning-evaluation and now does the department utilize the feedback?

- ➔ Collection of feedback forms annually before the University Exams.
- ➔ Feedback forms are analyzed in the Department Monthly meetings.
- ➔ Suggestions and improvements are discussed and implemented after discussion.

c. Alumni and Employers of programmes offered and how does the department utilize the feedback?

Yes.The department corresponds with alumni by email and phone where they give their impression of the functioning of the department, their stay here during the PG course, weaknesses and Strengths of the department and Areas where we can improve upon. The feedback is utilized for teaching learning programmes in the department.

43. List the distinguished alumni of the department (maximum 10)

Names	Designations	Achievements
Dr. Anuja D. Deshmukh	Associate professor Head and neck surgery Tata memorial hospital , Bombay	RGUHS gold medal in MS ENT – 2004 Faculty and Panelist in National level CME'S.
Dr. Vijay Govindraj	Visiting faculty (honorary) Govt medical college, Vellore	Author of book- ENT made easy. Indigenous Hand model teaching of ENT anatomy in national conferences and various medical colleges in South India Entrepreneur
Dr. Praveen Kulkarni	Final yr MCh student in surgical oncology, KMIO	One of the very few ENT surgeons to seek MCh seat in surgical oncology
Dr Afzal V P	Leading practitioner in Kannur, Kerala	Teaching Faculty at various Endoscopic sinus surgery workshops (Satish Jain hospital, Rajasthan)
Dr Naveen Kumar N	ENT surgeon in Sultanate of Oman	Gold medalist (RGUHS) 2007
Dr Harsha Vardhan	Associate Professor in M.S Ramaiah medical college	Worked as ENT resident in UK east Hastings trust hospital Feb 2003 Aug- 2004 Gloucestershire hospital Aug. 2004- Feb 2005 Feb 2005- Aug 2006 New port hospital
Dr Rohith Ranganth	Residency in head and neck surgery	United states of America
Dr Philip john K	Fellowship in head and neck oncology	Aug -2015 Regional cancer centre, Trivandrum
Dr Vijay P	MCh surgical oncology	Aug- 2015 Kidwai memorial institute of oncology, Bangalore

Other than above mentioned alumni we have 9 other alumni working as teaching faculty in various medical colleges.

44. Give details of student enrichment programs (special lectures/ workshops/seminar involving external experts)

- ➔ Hands on surgical training and clinical case discussions for PGs and Post Doctoral Fellows by visiting Head and Neck Oncosurgeon Dr. Ravindra P Deo every week.
- ➔ Micro teaching session for post graduate students (Monthly)
- ➔ Cadaver dissections for post-doctoral fellows (Weekly)

45. List of the teaching methods adopted by the faculty for different programs including clinical

Teaching.

Under graduates

- ➔ Lectures
- ➔ Clinical case presentation.
- ➔ Tutorials/ group discussion.
- ➔ Seminars
- ➔ Surgical demonstration
- ➔ Evidence based medicine - monthly

Post Graduates

- ➔ Clinical case presentation
- ➔ Seminars
- ➔ Journal Club
- ➔ Video Presentation
- ➔ Problem Based learning.
- ➔ Surgical demonstration.
- ➔ Hands on surgical training.
- ➔ Cadaver dissection.
- ➔ Grand rounds(Bedside Clinic)
- ➔ Evidence based medicine – monthly
- ➔ Digital library- seminar and journal club
- ➔ Breakfast with Professor

Head and neck fellowship.

- ➔ Cadaver dissection
- ➔ Surgical demonstration.
- ➔ Hands on surgical training
- ➔ Clinical case presentation
- ➔ Ward rounds (bedside clinics)
- ➔ Subject seminars
- ➔ Tumor board meeting
- ➔ Joint clinics in Head and Neck Oncology

46. How does the department ensure that program objective are constantly met and learning

Meeting programme objectives:

- ➔ Teaching schedule: next month's schedule in advance.
Previous month's compliance reports
- ➔ Log books reviewed.
- ➔ Dissertation reviews- 3 monthly in department, 6 monthly in university.

Monitoring learning outcomes:

a) **Undergraduates**

- ➔ Clinical end posting tests.
- ➔ Theory internal assessment exam at end of each term.

b) Post graduates

- ➔ Theory internal assessment exam every 6 months.
- ➔ Clinical internal assessment exam every 6 months.

47. Highlight the participation of students and faculty in extension activities.

Extension activities (involves faculty, PGs and interns)

- ➔ School health checkup.
- ➔ World Cancer Day (Free cancer screening camp and awareness drive for Public).
- ➔ World deafness Day (Free screening camp and awareness drive for Public).
- ➔ Health camps and mega health camps.
- ➔ Cancer detection camp. (Weekly)
- ➔ Participation in medical exhibition
- ➔ Swachha Bharat Abhiyan 2 hours per week

48. Give details of “Beyond syllabus scholarly activities” of the department.

- ➔ Participation in DEMEDCON -UG student presented a free paper from ENT department.
- ➔ Student participation in ENT Quiz

49. State whether the program / department is accredited/ graded by other agencies? If yes give details.

NO

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- ➔ High prevalence of invasive fungal sinusitis with sequestration of bone in Kolar district was observed.
- ➔ There is a high prevalence of buccal mucosal cancers especially among women in Kolar district due to the habit of using tobacco cudd.

- ➔ There is a higher incidence of spinal accessory nerve injury when sternomastoid is preserved rather than when it is sacrificed in modified radical neck dissections.
- ➔ Aspiration of whistle which is found in compressible rubber toys is common in pediatric age group in Kolar district.
- ➔ There is a low prevalence of Otosclerosis in Kolar district compared to Bangalore, probably due to high fluoride content in water.
- ➔ Selective neck dissections (Supra Omohyoid Neck Dissection) is an oncologically safe procedure in locally advanced buccal mucosa cancers with N1 neck
- ➔ Early Tracheostomy in patients requiring prolonged ventilatory support minimizes chances of airway complications like stenosis and pneumonia and facilitates early weaning from ventilator.
- ➔ Septal trans-fixation stitch was better in comparison to nasal packing following Septoplasty
- ➔ Elective dissection of the central compartment is beneficial for loco-regional control in thyroid cancers with N0 neck.
- ➔ Oral administration of Curcumin minimizes mucositis in head and neck cancer patients undergoing radiotherapy.
- ➔ Tumor depth of more than 5mm is associated with higher incidence of lymph node metastasis in oral cancer.
- ➔ Improvement in gustatory function following surgery for CSOM (Chronic suppurative otitis media).
 - a. Supraclavicular flap is an useful alternative to Pectoralis major myocutaneous flap in reconstruction of defects following resection of T2 oral cancers.
- ➔ Increased severity of trismus on using adjuvant chemo radiation when compared to radiation alone in post-operative setting in oral cancer.
- ➔ Williams 5 swallow test opens the Eustachian tube in tubal obstructions.
- ➔ Supra vital staining with Toulidine blue or protoporphyrin derivatives staining helps in guiding biopsies in field cancerization.

Dissemination of surgical knowledge and skills by

- ➔ Running Postdoctoral Fellowship program in Head & Neck Surgical Oncology.

- ➔ Allowing candidates for Observership in Head & Neck Surgery. Two candidates, Dr.Lakshminarayan and Dr. Kumar Raja have done Observership.

51. Detail five major strengths, weaknesses, opportunities and challenges (SWOC) of the department

STRENGTHS

- ➔ Provides comprehensive and state of art diagnostic and therapeutic care for all ENT ailments in a rural area.
- ➔ Provides deafness screening in new born by otoacoustic emissions screener
- ➔ Excels in micro ear surgery and micro laryngeal Surgery
- ➔ Provides endoscopic surgical treatment for diseases of Nose and Para Nasal Sinuses including skull base Surgeries.
- ➔ Treats all kinds of Foreign Body Aspiration by rigid bronchoscopy there by saving lives in pediatric age group.
- ➔ Performs rigid endoscopies to remove Esophageal Foreign bodies and Dilatation of Esophageal Strictures.
- ➔ Provides comprehensive Management of all Head and Neck Malignancies which have a high prevalence in this region.
- ➔ Routinely performs organ preservation Surgeries in Locally Advanced Laryngeal and Oral Cancers and also in difficult cases like Infratemporal Fossa and Skull Base extension
- ➔ Performs Reconstructive Surgeries after resection of Head and Neck Carcinoma and congenital Head and Neck malformations including Microvascular free tissue transfer
- ➔ Has few high impact publications
- ➔ Has ongoing collaborative research projects with centres of excellence
- ➔ Has dedicated and highly qualified faculty with 3 faculty members being Guest Faculty in various State and National level workshops in Otology and Head and Neck Surgery.
- ➔ Has well equipped audiology lab with speech language pathologist.

WEAKNESSES

- ➔ Difficulty to evolve Cochlear Implant program owing to poverty in the region.
- ➔ Difficulty in getting external funding for research projects.
- ➔ Difficulty to start MCh Head and Neck Surgery course due to inadequate patient numbers.

OPPURTUNITIES

- ➔ Advanced molecular research in head and neck cancers (availability of Genome laboratory and tie-up with institutes of excellence)
- ➔ Starting more student based research projects.
- ➔ Enforcement of department museum
- ➔ Starting Head and Neck LASER surgeries after procurement of machine as department already has trained faculty.
- ➔ Starting Certificate course in Swallowing therapy for paramedics.

CHALLENGES

- ➔ To develop telemedicine program in ENT and reach out to rural areas.
- ➔ To start Lateral Skull base surgeries in coordination with Neurosurgery department.
- ➔ To educate the local population about preventive oncology and thereby reduce the prevalence of Head and Neck cancer in Kolar district.
- ➔ To develop MoU with foreign universities and thus facilitate student and faculty exchange programs.

52. Future plans of the department.

- ➔ To ensure all faculty members are specialized in atleast one subspeciality by deputing them to premier institutes in the country/abroad.
- ➔ To have rural Head and Neck cancer registry in RLJH.
- ➔ To be the centre of excellence in Head and Neck Oncosurgery and start MCh program.
- ➔ To procure CO₂ LASER machine and enable the trained faculty to start LASER surgeries in ENT.
- ➔ To start cochlear implant program
- ➔ To collaborate with peripheral institutes in areas with high prevalence of Head and Neck cancers and develop outreach programs for them.
- ➔ To acquire a coblation apparatus and perform sleep apnea surgeries.
- ➔ Randomized controlled trials and high impact publications in otorhinolaryngology
- ➔ Student research projects in otorhinolaryngology with external funding

Evaluative reports of the Department Dentistry

1. **Name of the Department** : Department of Dentistry
2. **Year of establishment** : 1998
3. **Is the Department part of a college/Faculty of the university?**
Yes, the department comes under Sri Devaraj Urs Medical College.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
The department conducts teaching program for undergraduate (MBBS) students as per MCI regulations.
5. **Interdisciplinary programs and departments involved**
 - ➔ Our staff regularly attend Joint tumor clinic conducted in the Dept. of ENT. And also attend seminars from different departments on oral and general health pertinent topics.
 - ➔ Our department in collaboration with Department of Forensic Medicine is involved in different aspects of forensic odontology.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programs discontinued, if any, with reasons :** Nil.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System :**
Not Applicable
9. **Participation of the department in the courses offered by other departments** : Nil
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled	Actual
Professor	1	1	1
Associate professor	1	1	1
Assistant professor	1	2	2
Lecturer	-	-	-
Tutor	5	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl no	Name	Qualification	Designation	Specialization	No. of years of experience
1.	DrNarasimhan.B.N	MDS	Professor & HOD	Orthodontist	19yrs 11month
2.	Dr Mallika reddy	MDS	Assoc. Professor	Oral and maxillofacial surgeon	8 yrs 6 months
3.	Dr Deepa C	MDS	Asst. Professor	Periodontist and Implantologist	5yrs 6months
4.	Dr Harshitha K. R	MDS	Asst. Professor	Oral and maxillofacial surgeon	3yrs 2months
5.	Dr K.S. Srinath	BDS	Tutor. Asst. Dent Surgeon	Dentistry	17yrs 10months
6.	Dr Roopa K.S	BDS	Jr Dentist	Dentistry	7yrs 1 month
7.	Dr Arathi A. V	BDS	Tutor	Dentistry	1yr 3months
8.	Dr Manjula. R	BDS	Tutor	Dentistry	1yr 3months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

:Nil

13. Percentage of classes taken by temporary faculty – program-wise information

:Nil

14. Program-wise Student Teacher Ratio

Undergraduate Student Teacher Ratio : 150/8 = 18:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
22)	Staff nurse	1	1	1
23)	Attender	1	1	1

16. Research thrust areas as recognized by major funding agencies

:Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sr. No.	Title of Research Projects	Names of Investigators/Co-Investigators	Funding Agency	Grant Sectioned	Grant Received
1	Dermatoglyphic patterns in its correlation to dental fluorosis, periodontal disease among adults of Kolar District	Dr.Deepa.C Dr.Ajay Kumar Dr.Kiran.J Dr.Harshitha Dr.Srinath	Non funded	Nil	Nil
2	Sexual dissorphism of permanent molars among south Indian population	Dr.Deepa.C Dr.Ajay Kumar.	Non funded	Nil	Nil
3	Pattern of Mandibular fractures in and around Kolar District	Dr.Mallika Reddy Dr.Harshitha	Non Funded	--	--

18. Inter-institutional collaborative projects and associated grants received

gg) National collaboration : Nil

hh) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- State recognition : Nil
- National recognition : Nil
- International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil**22. Publications:**

- * Number of papers published in peer reviewed journals (national / international) : 6
- * Monographs : Nil
- * Chapters in Books : Nil
- * Books edited : Nil
- * Books with ISBN with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
- * Citation Index – range / average : Nil
- * SNIP : Nil
- * SJR :
- * Impact Factor – range / average : 0.14 -1.28
- * h-index : 2.5

Sl. no	Research paper title	Authors Names	Journal Details (In Vancouver Style Only)
1	Interproximal bone loss assessment: Comparison of conventional and digital radiographs.	Dr Deepa C, Dr.C.D.Dwarakanath, Dr A. V. Ramesh, Dr Gayathri	International Journal of Contemporary Dentistry 2012, Vol 3, No 3, 23-27.
2	Conservative management of cutaneous facial sinus tract of odontogenic origin: a case report.	Dr.Deepa C, Dr Srinath. K.S, Dr Roopa. K. S	Journal of Evolution of Medical and Dental Sciences 2013; Vol2, Issue 31, August 5; Page: 5824-5829.

3.	Deep Subfascial Approach to the Temporal Area.	Dr Deepika Kennkere, Dr Srinath K.S, Dr Mallika reddy	Journal of Oral and Maxillofacial Surgery, Volume 71, Issue 2, Pages 382-388, February 2013.
4.	Evaluation of Soft and Hard Tissue Changes after Anterior Segmental Osteotomy	Dr Harshitha.K.R, Dr Srinath.N, Dr Sunil Christopher, Dr H.Nanda Kumar	Journal of Clinical and Diagnostic Research. 2014 Sep, Vol-8(9): ZC07-ZC10
5.	Pattern of maxillofacial fractures in road traffic crashes in an Indian rural tertiary center	Dr Rijo M. Jayaraju Dr A. Sagayaraj Dr Mallika P. Reddy Dr K. R. Harshitha Dr Priyanka Majety	Panamerican Journal of Trauma, Critical Care & Emergency Surgery. May – August 2014; 3(2): 53-58
6.	Radicular cyst – a case report	Dr Harshitha K. R Dr Varsha V. K Dr Deepa C	International journal of applied dental sciences. (Accepted due for publication)

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated** : Nil

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

:Nil

26. **Faculty serving in**

a) National committees : Nil

b) International committees : Nil

c) Editorial Boards : Nil

d) any other (specify)

Dr. Mallika Reddy is a member in Implant study group, affiliate group of International Congress of Oral Implantology (ICOI), Bangalore.

27. **Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

➔ Faculties in department of dentistry attend workshops, CDE programs and national conferences.

➔ Dr Mallika Reddy has recently enrolled for a fellowship in

Implantology from the renowned International congress of oral implantology (2014-2015 batch) conducted at Mukha Faciomaxillary & Implant center, Bangalore.

Attended

a) National Conferences:

68th National Conference Conducted By Indian Dental Association On 13th – 15th Of Feb 2015 At Manpho Convention Center, Bangalore. Dr Mallika Reddy, Dr Deepa C

b) Cde Programmes Attended:

➔ Cde On “Perio-Panorama” Held At The Oxford Dental College And Hospital, Bangalore From 11th To 13th Feb 2013. Attended By Dr Deepa C

➔ Cde On “Research Prospects And Current Trends In Stomatology” Held At Rajarajeshwari Dental College And Hospital, Bangalore On 27th And 28th Feb 2013. Attended By Dr Deepa C, Dr Harshitha. K. R

➔ Cde On “First Aid & Bls (Cpr) Provider” Conducted By Prime At Krishnadevaraya College Of Dental Sciences, Bangalore On 14th & 15th Feb 2013. Attended By Dr Deepa C, Dr Harshitha. K. R

➔ Cde On “Forensic Odontology” Held At M.S Ramaiah Dental College And Research Center On 25th And 26th July 2013. Attended By Dr Deepa C.

c) Workshop Attended

On “Basic Life Support” Held At Kgf College Of Dental Sciences, Kgf On March 3rd & 4th March 2013. Attended By Dr Roopa. K. S.

d) 1st Telangana State Aomsi Conference Attended By Dr.Mallika

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : Nil
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

: Nil

31. Code of ethics for research followed by the departments

Code of ethics prescribed by ICMR and MCI are followed for research processes by the department of dentistry.

32. Student profile program-wise

: Nil

33. Diversity of students

: Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

: None from The Department

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not applicable
PG to M.Phil, DM / M Ch / DNB	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	--
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurs	--

36. Diversity of staff

Percentage of faculty who are graduates	UG	PG
of the same university	-	
from other universities within the State	8 (100%)	4 (100%)
from universities from other States	-	
from universities outside the country	-	

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : None**38. Present details of departmental infrastructural facilities with regard to**

- a) Library Yes, The department library is equipped with 85 books.
- b) Internet facilities for staff and students
:Available.
- c) Total number of class rooms :1 Tutorial/demonstrations room.
- d) Class rooms with ICT facility and ‘smart’ class rooms
Integrated co-teaching facility is available in the e-library.
- e) Students’ laboratories :Nil.
- f) Research laboratories

Well-equipped dental chair with facility for IOPA radiographs.

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

Not applicable

41. **Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.**

No new program has been initiated from the department.

42. **Does the department obtain feedback from**

ss. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the feedback will be utilize to improve UG teaching program.

tt. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, feedback will be utilized to promote continuous improvement in view of recent advances. Curriculum updates are made on need basis.

uu. Alumni and employers on the programs offered and how does the department utilize the feedback? :Nil

43. **List the distinguished alumni of the department (maximum 10)**

Nil

44. **Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.** : Nil.

45. **List the teaching methods adopted by the faculty for different programs including clinical teaching.**

i) Chair side demonstration

ii) Group Discussion

iii) Interactive lectures with Powerpoint presentation

46. **How does the department ensure that program objectives are constantly met and learning outcomes are monitored?**

Incorporating innovative teaching methods and regular student feedback

47. Highlight the participation of students and faculty in extension activities.

- ➔ Students and faculty participate in “Swachh bharath abhiyan”
- ➔ The staff also participates in providing Community Dental Health Services to general public with the help of general health camps.

48. Give details of “beyond syllabus scholarly activities” of the department.

The faculty and the students participate regularly in Camps, Exhibition and Awareness Programs organized by the university

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

ISO 9001-2000 in the year 2006 NAAC accreditation has been obtained.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

By doing research, the knowledge gained is utilized for providing the best teaching learning experience and to promote evidence based medicine for patients.

- ➔ Studies were conducted by the department on the following topics,
 - a. Conservative management of cutaneous facial sinus tract of odontogenic origin
 - b. Pattern of maxillofacial fractures in road traffic crashes in an Indian rural tertiary center
- ➔ Encouraging case based learning methods in association with other departments
- ➔ The staff continuously updates their knowledge by attending National/state conferences, workshops, CDE programs, CME program conducted in college etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength :

- i) Expertise maxillofacial trauma care
- ii) Well qualified consultants
- iii) Work in close association with other clinical department like ENT, Orthopedics, Pediatric, OBG, Surgery, Head & Neck oncology in managing clinical cases
- iv) All cases of general dentistry are successfully managed.

Weakness:

- i) Absence of technical assistance in carrying out dental laboratory work
- ii) 2. Need for orthopantomograph (OPG) radiography.

Opportunity:

- i) Resources available for carrying out research in evidence based dentistry.
- ii) Oral health rehabilitation for post-operative cases of oral cancers

Challenges:

- i) To start diploma courses in Implant dentistry and esthetic dentistry.

52. Future plans of the department.

- i) To start diploma courses in Implant dentistry and esthetic dentistry.
- ii) To provide one of the best oral health services to the Community in and around Kolar
- iii) To carry out research projects that benefits the patient community

Evaluative Report of University Department of Medical Education

1. **Name of the Department** : Medical Education Unit (MEU) /
University Department of Medical Education (UDOME)
2. **Year of establishment** :
Medical Education Unit : 1997
Upgraded to University Dept. of Medical Education : June 2014
3. **Is the Department part of a college/Faculty of the university?**
Faculty of University
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
Ph.D. in Medical Education and Faculty Development Programs
5. **Interdisciplinary programs and departments involved:**
UDOME caters to Training faculty of different departments in preparation of curriculum, teaching, learning and assessment methods.

Name of course	Department Involved
I MBBS (Orientation course)	All Preclinical Departments and MEU
II MBBS (Orientation)	Medicine, Pediatrics, Pathology, Microbiology, Biochemistry, Radiology and MEU
Interns Orientation Programme	Medicine, Pediatrics, Pathology, Microbiology, Biochemistry, Radiology and MEU
PG orientation and Research Methodology workshop	MEU
Microteaching for PGS	MEU

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

MoU with University of Illinois, Chicago.

7. Details of programs discontinued, if any, with reasons :

No Program in the department has been discontinued.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System :

Ph.D. in Medical Education: Conducted as per UGC Guidelines 2009

9. Participation of the department in the courses offered by other departments : Nil.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others): Nil

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Quali-fication	Designation	Area of Specialization	No. of Years of Experience	Research under guidance
Dr. M.B. Sanikop	MBBS, MS	Professor & Principal	Anatomy	7 Yrs 4 Mths	--
Dr. N. Sarala	MBBS, MD, NTTC & FAIMER Fellow	Professor & HOD & Director of UDOME	Pharmacology	7 Yrs 4 Mths	--
Dr. S.R. Prasad	MBBS, MD & NTTC	Professor	Microbiology	7 Yrs 4 Mths	--
Dr. V. Lakshmaiah	MBBS, MD & MET	Professor	Medicine	7 Yrs 4 Mths	--
Dr. Vinutha Shankar MS	MBBS, MD, NTTC & FAIMER Fellow	Professor & HOD	Physiology	7 Yrs 4 Mths	--
Dr. C. Muninarayana	MBBS, MD & NTTC	Professor & HOD	Comm. Medicine	6 Yrs 7 Mths	--
Dr. Suresh T N	MBBS, MD, NTTC & Advance course in Medical Education	Professor	Pathology	4 Yrs 6 Mths	--
Dr. Anil N S	MBBS, MD & NTTC	Assoc. Professor	Comm. Medicine	4 Yrs 6 Mths	--
Dr. K.N.V. Prasad	MBBS, MD & NTTC	Professor & HOD	Paediatrics	2 Yrs 4 Mths	--
Dr. M. Mohan Reddy	MBBS, MD & NTTC	Professor & HOD	Psychiatry	2 Yrs 4 Mths	--
Dr. Prasanna Kamath. B.T	MBBS, MD & NTTC	Professor	Comm. Medicine	1 Yr	--
Dr. Sudha Reddy VR	MBBS, MD &	Professor	Paediatrics	1 Yr	--

Name	Quali-fication	Designation	Area of Specialization	No. of Years of Experience	Research under guidance
	Advance course in Medical Education				
Dr. Geetha S	MBBS, MD & NTTC	Asst. Professor	Physiology	1 Yr	--

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Nil

13. Percentage of classes taken by temporary faculty – program-wise information : Not Applicable

14. Program-wise Student Teacher Ratio : Not Applicable

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
24)	Stenographer/ office assistant	1	1	1
25)	Photographer	1	2	1
26)	Menial	2	2	2

16. Research thrust areas as recognized by major funding agencies

- i) Curricular Reforms (competency based curriculum)
- ii) Microteaching
- iii) E- Learning
- iv) Evidence Based Medicine
- v) Formulation of MCQs
- vi) OSPE/OSCE
- vii) Quality Assurance in Medical Education
- viii) Workplace-based Assessment (Mini-Cex & DOPS)
- ix) Soft Skills
- x) Question Paper Setting

xi) Portfolio

xii) Leadership

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise :** Nil

18. **Inter-institutional collaborative projects and associated grants received**

ii) National collaboration : Nil

jj) International collaboration : Nil

19. **Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :** Nil

20. **Research facility / centre with**

➔ state recognition : Nil

➔ national recognition : Nil

➔ international recognition : Nil

21. **Special research laboratories sponsored by / created by industry or corporate bodies :** Nil

22. **Publications:**

* Number of papers published in peer reviewed journals (national / international) : 06

* Monographs : Nil

* Chapters in Books : 01

* Books edited : Nil

* Books with ISBN with details of publishers : Nil

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)

: 02

- * Citation Index – range / average
- * SNIP : 0.902 - 1.401
- * SJR : 0.832 - 0.982
- * Impact Factor – range / average : 0.833-2.213
- * H-index

23. **Details of patents and income generated** : Not applicable

24. **Areas of consultancy and income generated** : Not applicable

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

- i) PG orientation course, conducted by MEU faculty of SDUMC at Adichunchanagiri Institute of Medical Sciences (AIMS), Bellur, Mandya on 5th -6th August 2011, Resource faculty- Dr. Sarala N, Dr. Vinutha Shankar MS, Dr. SR Prasad, Dr. Nagesh Raju G
- ii) Workshop on Medical Education Technology, conducted by MEU faculty of SDUMC at Mysore Medical College & Research Institute, Mysore from 5th – 7th January 2012, Resource faculty- Dr. Sarala N and Dr. Vinutha Shankar MS
- iii) PG orientation course, conducted by MEU faculty of SDUMC at Adichunchanagiri Institute of Medical Sciences (AIMS), Bellur, Mandya on 19th -20th October 2012, Resource faculty- Dr. Sarala N, Dr. Vinutha Shankar MS, Dr. SR Prasad and Dr. Ashakiran
- iv) Dr. Vinutha Shankar M S, Prof. & HOD of Physiology, as FAIMER faculty of Medical Education in the South Asia Region programme, Coimbatore from March 29th – April 7th 2014.

26. **Faculty serving in**

- a) National committees b) International committees c) Editorial Boards
- d) any other (specify) - Nil

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Strategies to improve are: To train in-house faculty and depute them to centers of excellence for advanced training

MET workshop

Advance Course in Medical Education Technology

NTTC

FAIMER

International Conference on Medical Education (ICME)

International Medical Education Conference (IMEC)

Annual Medical Education Conference (AMEC)

Goal: To improve the quality of medical training by training the teachers

Objectives:

- ➔ To formulate learning objectives that help in effective teaching
- ➔ To sensitize teachers about new concepts in teaching and assessment methods
- ➔ To develop knowledge and clinical skills required for performing the role of competent and effective teacher
- ➔ To update knowledge of modern information media to enhance effectiveness of teaching
- ➔ To assist faculty to acquire competency in evaluating knowledge, practical and communication skills

Date	Workshop	External faculty	Home faculty	Total
11-03-2008 to 13-03-2008	1 st MET	-	21	21
15-09-2008 to 18-09-2008	2 nd MET	-	23	23
30-03-2009 to 02-04-2009	3 rd MET	06	13	19
09-11-2009 to 12-11-2009	4 th MET	03	18	21
01-06-2010 to 03-06-2010	5 th MET	06	16	22

25-11-2010 to 27-11-2010	6 th MET	04	16	20
28-06-2011 to 30-06-2011	7 th MET	04	19	23
28-11-2011 to 30-11-2011	8 th MET	-	17	17
27-11-2012 to 29-11-2012	9 th MET	01	24	25
25-11-2013 to 27-11-2013	10 th MET	-	29	29
26-11-2014 to 28-11-2014	11 th MET	01	25	26
	Total	25	221	246

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : Three projects (2%)
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : NIL

29. Awards / recognitions received at the national and international level by

- Faculty
 - i) Dr. Vinutha Shankar M S, Prof. & HOD of Physiology, Awarded PSG FAIMER fellowship at Regional Institute, Coimbatore --- April 2009 to 2011
 - ii) Dr. Sarala. N, Prof. & HOD of Pharmacology, Awarded PSG FAIMER fellowship at Regional Institute, Coimbatore ---April 2010 to 2012
 - iii) Dr. Ashakiran S, Professor, Dept. of Biochemistry, Awarded PSG FAIMER fellowship at Regional Institute, Coimbatore April 2011 to 2013.
- Doctoral / post doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No.	Name of Conference/workshop (with date/ month/year)	Date/Month/ year	source of funding	Outstanding Participants	Total No. of Delegates
1	Faculty Training Programme for Junior Doctors Topic: Specific Learning Objectives and Lesson Plan	15.11.2007	SDUAHER	Nil	59
2	Workshop on Curriculum Development	07.03.2008	SDUAHER	Nil	30
3	Workshop on Medical Teachers in Educational Sciences & Technology (Training of trainers)	11.03.2008 to 13.03.2008	SDUAHER	Nil	21
4	Workshop on Integrated teaching	16.04.2008 to 17.04.2008	SDUAHER	Nil	30
5	Workshop on MCQs	19.08.2008	SDUAHER	Nil	37
6	Workshop on Medical Teachers in Educational Sciences & Technology (Training of trainers)	15.09.2008 to 18.09.2008	SDUAHER	Nil	23
7	Workshop on Medical Teachers in Educational Science & Technology (Training of trainers)	30.03.2009 to 02.04.2009	SDUAHER	06	19 (1-Faculty-13)
8	CME / Workshop on Research Methodology & Scientific Communication by 1) Dr. Vikram Kumar Yeragani, Prof. of Psychiatry, Wayne State University School of Medicine, Detroit, MI, USA and Hon.Res.Professor of Cardiology, M.S.Ramaiah Institute of Cardiology, Bangalore 2) Dr.Jagadish Thirthalli, Assoc.Prof. Dept. of Psychiatry, NIMHANS, Bangalore 3)Dr.K.M.Prasanna Kumar, MD, DM, Sr.Prof. & Head Endocrinology & Diabetes, M.S.Ramaiah Medical College, Bangalore 4) Dr.Rajan Dinghe	15.05.2009	SDUAHER		45
9	Workshop on Medical Teachers in Educational	09.11.2009 to 12.11.2009	SDUAHER	03	21 (Internal – 18)

National Assessment and Accreditation Council

	Sciences and Technology (Training of trainers)				
10	Workshop on Mentorship	07.12.2009	SDUAHER		33
11	Workshop on Mentorship for Nursing faculty	09.02.2010	SDUAHER		16
12	Workshop on Medical Teachers in Educational Sciences & Technology (Training of Trainers)	01.06.2010 to 03.06.2010	SDUAHER	06	22 (Internal-16)
13	Workshop on OSCE/OSPE	03.08.2010	SDUAHER		36
14	6 th Medical Education Technology Workshop	25.11.2010 to 27.11.2010	SDUAHER	04	20(Internal-16)
15	Workshop on “Membership Programme” HODs & Departmental Registrars Conducted by – Dr.Tejinder Singh, Vice Principal CMC Ludhiana (Punjab)	06.06.2011	SDUAHER		Faculty – 31 UGs – 04
16	7 th Medical Education Technology Workshop	28.06.2011 to 30.06.2011	SDUAHER	04	Faculty – 23 Internal-19)
17	8 th Medical Education Technology Workshop	28.11.2011 to 30.11.2011	SDUAHER	Nil	17
18	Workshop on “Performance Based Assessment (PBA)” by Dr.Ara Tekian, Ph.D, MHPE, Associate Professor Medical Education, Director, Internal Affairs, University Illinois, Chicago	27.02.2012	SDUAHER	Nil	25
19	9 th Medical Education Technology Workshop	27.11.2012 to 27.11.2012	SDUAHER	Nil	25
20	Workshop on “Systematic Approach to Question Paper Setting” conducted by Dr.D.K.Srinivas, Dean (Retd) JIPMER, Pondicherry, former Consultant, Curriculum Development, RGUHS, Bangalore	16.09.2013 to 17.09.2013	SDUAHER	Nil	36
21	10 th Medical Education Technology Workshop	25.11.2013 to 27.11.2013	SDUAHER	Nil	29
22	Workshop on “Workplace-based formative Assessment & Feedback as Training Tool” conducted by Dr.D.K.Srinivas, Bangalore	06.11.2014	SDUAHER	Nil	24
23	Workshop on “Soft Skills” conducted by Mrs.Mary Keightly, Mind Associates, Dr.Vivek Chhabra, emergency Physician, U.K, Dr.Prathiba Kane, Pune	12.11.2014	SDUAHER	Nil	36
24	11 th Medical Education Technology Workshop	26.11.2014 to 28.11.2014	SDUAHER	Nil	26

***Sri Devaraj Urs Academy of Higher Education and Research, Kolar
(Institution Deemed to be University)***

25	Workshop on “Evidence Based Medicine” (EBM)	10.02.2015 SDUAHER	Nil	29	
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31. Code of ethics for research followed by the departments

The department follows the ICMR guidelines.

32. Student profile program-wise: Not Applicable

Name of the Program (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female

33. Diversity of students

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Ph.D.	1	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise : Nil

35. Student progression : Not Applicable

Student progression	Percentage against enrolled
UG to PG	--
PG to M.Phil, DM / M Ch / DNB	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	--
• Campus selection	
• Other than campus recruitment	
Entrepreneurs	--

36. Diversity of staff : Not Applicable

Percentage of faculty who are graduates	
of the same university	--
from other universities within the State	--
from universities from other States	--
from universities outside the country	--

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period - Nil**38. Present details of departmental infrastructural facilities with regard to**

- a) Library : 37 Books, Journals-69 and equipped with Scanner, Desktop and laptops.
- b) Internet facilities for staff and students : Wi-Fi enabled with Internet Facility
- c) Total number of class rooms : 02
- d) Class rooms with ICT facility and 'smart' class rooms :
Conference hall with LCD projector and internet connection.
Director's room
Office room
Board room
Medical illustration room
- e) Students' laboratories : Nil
- f) Research laboratories : Nil

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : Nil

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university. : Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. : Nil

42. Does the department obtain feedback from :

vv. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, during the core committee meetings feedback from participants will be analysed and presented to the committee, based on the suggestions modifications will be done for the subsequent workshops. Feedback will be given to the resource persons regarding the content, slide preparation and presentation skills, based on this they improve upon and incorporate the changes suggested.

ww. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, following the orientation programs for students, the feedback will be collected for each programme in regards to the content, slide preparation and presentation skills. During the core committee meeting the resource persons will be briefed about the feedback and they will incorporate the valuable suggestions.

xx. Alumni and employers on the programs offered and how does the department utilize the feedback?

Following the faculty development programs, feedback will be taken from the participants. The same will be presented the next day to the group including the resource persons and suggestions if any will be

incorporated.

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Sl. No.	Programme	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	TOTAL
1	UG orientation course for I-MBBS	01	01	01	01	01	01	01	01	08
2	UG Orientation course for II-MBBS	-	-	-	-	01	01	01	01	04
3	Orientation course for interns	02	01	01	01	01	01	01	01	09
4	PG orientation course	02	02	01	01	01	01	01	-	09
5	Microteaching workshop for PGs	-	01	02	01	01	02	01	-	08
6	Research Methodology Workshop for PGs	-	-	-	-	-	01	01	-	02
7.	Orientation & Research Methodology Workshop for PGs	-	-	-	-	-	-	-	01	01
Total										41

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- iv) Interactive Lectures
- v) Small group discussion
- vi) Microteaching
- vii) Demonstrations
- viii) Role play
- ix) Video demonstration
- x) E- Learning
- xi) Buzz sessions

- xii) Pair share
- xiii) Team based learning
- xiv) Brain storming sessions
- xv) Effective Feedback
- xvi) Self Directed Learning

Media: LCD Projector, OHP & White board with marker, Flip charts.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Feedback from participant, based on which suggestions will be incorporated

47. Highlight the participation of students and faculty in extension activities.

1. Postgraduate orientation course, conducted by MEU faculty of Sri Devaraj Urs Medical College at Adichunchanagiri Institute of Medical Sciences, (AIMS), Bellur, Mandya on 5th and 6th August 2011.

Resource faculty: Dr.Sarala N, Dr.Vinutha Shankar, M.S, Dr.S.R.prasad, Dr.Nagesh Raju.G

2. Workshop on Medical Education Technology, conducted by MEU faculty of Sri Devaraj Urs Medical College at Mysore Medical College & Research Institute, Mysore from 5th to 7th January 2012.

Resource faculty: Dr.Sarala.N and Dr.Vinutha Shankar M.S

3. Postgraduate Orientation course conducted by MEU faculty of Sri Devaraj Urs Medical College at Adichunchanagiri Institute of Medical Sciences (AIMS), Bellur, Mandya on 19th and 20th Oct. 2012

Resource faculty: Dr.Darala.N, Dr.Vinutha Shankar M.S, Dr.S.R.Prasad and Dr.Ashakiran.

4. Dr.Vinutha Shankar M.S, Prof. of Physiology as FAIMER faculty of

Medical Education in the South Asia Region programme, Coimbatore from March 29th to April 7th 2014.

48. **Give details of “beyond syllabus scholarly activities” of the department.** :Nil

49. **State whether the program/ department is accredited/ graded by other agencies? If yes, give details.**

Yes by MCI. For three days Basic Medical Education Technology Workshop we will have MCI observer from St. Johns Medical College, Bangalore from 2010 onwards.

50. **Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

OSPE, OSCE, Work Place Based Assessment, Mini Cex and Question paper setting.

51. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

Strength :

- v) Members rendering voluntary service
- vi) Seven faculty trained in Basic MET at St. Johns Medical College, Bangalore
- vii) 80% faculty trained in MET
- viii) Faculty are resource persons at other institutes
- ix) FAIMER fellows – PSG Coimbatore
- x) Faculty completed Advance course in Medical Education Technology
- xi) Faculty trained at NTTC, JIPMER, Puducherry & PGI Chandigarh
- xii) Good Infrastructure & well equipped s

Weakness:

- i) Marginal involvement of clinicians as UDOM members
- ii) Assessment of outcome of the workshop/ training

- iii) Qualitative research is less s

Opportunity:

- i) Faculty encouraged to do FAIMER fellowship and Advance Course in Medical Education Technology and Ph.D in Medical Education
- ii) Financial assistance to attend workshops, training and conferences
- iii) Annual in house training in MET
- iv) Faculty exposed to new concepts like workplace based assessment, mentorship program & evidence based medicine

Challenges:

- ii) Attrition of faculty trained in Medical Education Technology
- iii) Members having other scholarly responsibilities.

52. Future plans of the department.

- i) To conduct in house capacity building workshops to improve faculty in innovative and interactive teaching learning methods and objective assessment
- ii) To organize National level conference in Medical Education.

EVALUATIVE REPORT OF THE DEPARTMENT OF ALLIED HEALTH SCIENCES

1. **Name of the Department** : Department of Allied health sciences
2. **Year of establishment** : 2010
3. **Is the Department part of a college/Faculty of the university?** :
Faculty of University [Faculty of Allied Health sciences]
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

A) Under Graduate program

- (i) Bachelor of Science (B.Sc) in Medical laboratory Technology
- (ii) Bachelor of Science (B.Sc) in operation Theatre Technology
- (iii) Bachelor of Science (B.Sc) in Imaging Technology
- (iv) Bachelor of Science (B.Sc) in Ophthalmic technology
- (v) Bachelor of Science (B.Sc) in Renal dialysis Technology

B) PG Program

- (i) Master of science in Medical Laboratory Technology in clinical biochemistry
- (ii)) Master of science in Medical Laboratory Technology in clinical microbiology & immunology
- (iii)) Master of science in Medical Laboratory Technology in haematology and blood transfusion

C) Post Graduate diploma in Yoga practice

- (i) Post Graduate diploma in Yoga practice

D) Certificate course:

- (i) Application technology in Hospital environment
- (ii) Phlebotomy technology
- (iii) blood banking technology

5. Interdisciplinary programs and departments involved

Certificate course on Application Technology BSc, MSc and Yoga PG diploma courses of AHS. Departments of constituent Medical college, cell biology and Molecular Genetics, integrative medicine, Engineering-discipline are involved in programs

6. Courses in collaboration with other universities, industries, foreign Institutions, etc.

Certificate course on application Technology in hospital environment is in collaboration with industry INTEGRAL MEDICAL DEVICES SERVICES HEBBAGODI POST ELECTRONIC CITY BANGALORE. 560100.

7. Details of programs discontinued, if any, with reasons : NIL.

8. Examination System : Annual/Semester/Trimester/Choice Based
Credit System semester system

Note: Choice based credit system will be incorporated from academic year 2015-16 as per the UGC direction (letter No. D.O.No.F.1-1/2014 dated 12th November 2014)

9. Participation of the department in the courses offered by other departments

The department participate with the department of pathology for the conduct of Certificate course in Phlebotomy and Blood bank technology.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor/Reader	01	-	-
Assistant Professor	01	01	01
Lecturer	04	04	04
Tutor	01	01	01
Senior Resident	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl. No	Name	Qualification	Designation	Area of Specialization	No of years of experience	Research Under Guidance
01	Dr C.D.Dayanand	M.Sc Ph.D	Professor & Head	Biochemistry	26	Ph.D Guide (3 Years)
02	Dr. N.J Patil	M.D Yoga	Asst professor	Yogic science	03	-
03	Mr. T. Suresh	M.Sc.	Lecturer	Anatomy	05	-

04	Mr. NagarjunaSivaraj	M.Sc.	Lecturer	Biochemistry	1.5	-
05	Miss Mary Shobha Rani Inala	M.Sc.	Research assistant	Biotechnology	2.5	-
07	Mr Vijay	M.Sc.	Lecturer	Microbiology	2	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting Fellows

1. Dr. Satish P.Ramachandra Rao, Department of Medicine. Division of nephrology-Hypertension. Centre for renal Translational Medicine. 407 Stein Clinical Research building. La Jolla California 92093

2. Dr. N.S Murthy- Integral medical services Hebbagodi
Electronic city post Bangalore 560103

ADJUNCT TEACHING FACULTY FROM CONSTITUENT COLLEGE

Anatomy: Dr Vinay Kurkarni
Physiology: Mrs. Usha G Shenoy/ Dr. Geetha
Biochemistry: Mrs.Deena Mendez/ Mrs.Mamatha
Microbiology: Dr.Mamatha kale /DrSavitha
Pathology: Dr. Swaroop Raj / Dr. Hemalatha
Radiology: Mr. Shivarajan
Anesthesiology: Dr.Anand Thalikote/Dr Sujatha
Pharmacology: Dr.Jaikumar
Ophthalmology: Dr Krishnamurthy
Emeritus professor: NIL

13. Percentage of classes taken by temporary faculty program-wise information

SL. No.	Name of the program	Batch & Semester	No of Class prescribed	No of class taken	% of classes taken by the faculty
1	Certificate course in Application technology in Hospital environment	2014-15 batch (One semester)	48(T) 48(P)	40 40	83.3 83.3
2	Certificate course in Phlebotomy technology	-	-	-	-
	Blood banking technology Certificate course.	-	-	-	-

3	Bachelor of Science (B.Sc) in Medical laboratory Technology	2012-13 batch (V semester)	120T 120P	49 54	40 45
		2013-14 batch (IV semester)	120 T 120 P	54 49	45 40
		2014-15 batch (II semester)	125T 50P	40 25	32 50
4	Bachelor of Science (B.Sc) in operation Theatre Technology	2012-13 batch (V semester)	120T 60 P	66 20	54 33
		2013-14 batch (IV semester)	120 T 60 P	66 10	54 33
		2014-15 batch (II semester)	125T 50 P	54 20	43 40
5	Bachelor of Science (B.Sc) in Imaging Technology	2013-14 batch (IV semester)	200T	120	60
		2014-15 batch (II semester)	125P 50P	40 40	96 80
6	Bachelor of Science (B.Sc) in Ophthalmic technology	2013-14 batch (IV semester)	120T 120P	100 80	83 66
		2014-15 batch (II semester)	125P 50P	40 40	32 80
7	Bachelor of Science (B.Sc) in Renal dialysis Technology	2014-15 batch (II semester)	125P 50P	40 40	32 80
8	Post graduate diploma in Yoga Practice [PGDYP]	2014-15 batch (I Semester)	210 T 100 P	189 82	90 82
9	Master of science in Medical Laboratory Technology[MSc MLT]	2014-15 batch (I semester)	275	192	70
			235	152	65

15. Number of academic support staff (technical) and administrative staff:

sanctioned, filled and actual

Sl No	Designation	Numbers Sanctioned & actual
01	Research assistant[technical]	01
01	Computer operator & clerk*	01
02	Lab attenders	01
03	Sweepers	01

*administrative

16. Research thrust areas as recognized by major funding agencies

- 1) Proteins isolation, Purification and characterization
- 2) Enzymology,
- 3) Oxidative stress and antioxidants Research in Preeclampsia

4) Research on new markers in preeclampsia

17. Number of faculty with ongoing projects from

a) national

b) international

funding agencies and

c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

Nature of projects	No. of faculty	Ongoing*	Completed**	Grant Received *
Minor**	02	-	02	20000
Major*	05	01	--	25,00,000/-

*University funded research project [SDUAHER Res project No 59/2012-13]

Title: Novel Preeclampsia Biomarkers in Urinary and serum exosomes

**Completed:

SDUAHER Res Project No 69/2013-14

Evaluation of IMA and Urinary Nitrite in preeclampsia-a pilot study

Pradeep Kumar, C.D.Dayanand

SDUAHER Res Project No 56/2013-14

Comparative evaluation of specificity and sensitivity on bactericidal action by seed extract of Pongamia pinnata Linn on MRSA of clinical isolates

Mary shoba Rani, C.D.Dayanand

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

b) International

collaboration

a) National: Nil

b) International:

project on Serum and urinary exosomes in Preeclampsia is under

progress in collaboration with department of Medicine. Division of nephrology-

Hypertension. Centre for renal translational Medicine. 407 Stein Clinical Research

building. La Jolla California 92093 USA.

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

The University has applied for DSIR recognition and inspection in respect of the same was completed on 06.01.2011. However, on account pending case on Deemed to be Universities, This University is yet to get recognition as Scientific and Industrial research Organisation by DSIR which is one of the important criteria for obtaining funding from funding agencies. In addition pending to include under Section 2(f)/12(B) of the UGC Act 1956 to get financial assistance from funding agencies

20. Research facility / centre with

- state recognition
- national recognition
- international recognition :Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies :Nil

Note: University established proteomics laboratory to promote research

22. Publications :

SL. No.	List the authors names & in order exactly as appeared in the journal article	Title of the article	Journal name	Year of publication	Vol & issue Page Nos	Impact factor	Citation index	Citation index	h-index
2012									
1	C.D Dayanand Pradeep kumar vegi AVM Kutty	Protein carbonyl content as a stable oxidative stress marker in Type II diabetes	International Journal of Biomedical Research (IJBM)	2012	3(4) 2362-65	-	04	04	
2	C.D.Dayanand, Pradeep kumar vegi, A.V.M.Kutty	Comparison of calculated HbA1c with measured HbA1c by High Pressure Liquid Chromatography method	international journal of science innovation and discoveries (IJSID)	2012	2(6) 1-7	--	--	-	
2013									
1	C.D.Dayanand	Evaluation of comparative total proteolytic activity in plant lattices	International Journal of Life sciences, Biotechnology and Pharma Research	2013	2(1) 47-55	0.408	02	2	
2	Pradeep Kumar vegi. C.D.Dayanand, Shashidhar K.N	A trend on Gender inequality and age discrepancy in Pulmonary Tuberculosis at Kolar District-India	Asian Academic Journal of Multidisciplinary	2013	1(12) 45-51			-	
3	C.D.Dayanand, Pradeep Kumar vegi, Lakshmaiah V, AVM Kutty	Association of Ischemia Modified Albumin in terms of Hypoxic risk with carbonylated protein, Glycosylated hemoglobin and plasma insulin in Type 2 diabetes Mellitus	International Journal of Biotechnology and Biochemistry IJBB	2013	9(3) 275-84			-	
4	Mary Shoba Rani C.D.Dayanand, Jeevan Shetty, Pradeepkumar vegi, AVM kutty.	Evaluation of Antibacterial activity of Pongamiapinnata Linn on Pathogens of clinical isolates	American Journal of Phytomedicine and clinical Therapeutics	2013	1(8) 645-51	IF 0.88	06	06	
5	K.N. Venkatesh Prasad, Arvind rajha, Pradeep Kumar vegi.	A case of monozygotic twins: The value of discordant monozygotic twins in Goldenhar syndrome	Hindawi publishing corporation	2013	63 1-3	IF 0.44	--	-	
6	Patil NJ, Prabhakar K, Vijay K S, Patil D N	Effect of Carica papaya leaf extract on febrile thrombocytopen	J Clin Biomed Sci	2013	3(3) 140-42		--	-	

National Assessment and Accreditation Council

		ia in patients with Dengue							
7	Patil NJ	Samanvaya: Conference on Alternative Medicine	J.Ayurveda Integr med	2013	4(4) 252-53	Pub med	01	1	
8	K.N.venkatesh Prasad, Sanjay sharma, Rahul Chauhan, C.D. Dayanand, Pradeep kumarvegi	Prognostic role of oral atropine in the subacute phase of organophosphat e poisoning.	Niger J ExpClinBios ci	2013	1(1) 53-4	0.00	--	-	
2014									
1	C.D Dayanand* Syed M.S. Zain	Search engines in Biomedical Research	Journal & clinical of Biomedical Sciences	2014	4 (1) 259-260	-	-	-	
2	AdarshManjun ath C.D Dayanand* C. Muninarayana Pradeep kumar	Trends on oxidative stress and antioxidant status in fluoride affected areas in kolar district-India	International Journal of Advances in medicine	2014	1 (2) 1-4	-	--	-	
3	Vanishree bambrana C.D Dayanand* S. R.Sheela Pradeep Kumar vegi	Evaluation of lipid peroxidation, protein carbonyl content & total antioxidant status in pre& post-delivery of women with preeclampsia	American Journal of Pharmacy & health Research	2014	2 (II) 98-105	GIF 0.678	--	-	
2015									
01	Shiny vinalla Dayanand C.D* PushphaKuttur Pradeep Kumar Vegi	Evidence of paternal N5 N 10 methylene tetrahydrofolate reductase (MTHFR) C677T gene polymorphism in couples with RSA in kolar district A south west of India	Journal of clinical and diagnostic Research	2015	9 (2) 15-18	ISIF 1.O Scopus	--	-	
2	PatilN..J.	Designing validation and feasibility of integrated yoga therapy module for chronic back pain	International journal of yoga	2015	8 103-108	PubMed	--		
3	C.D.Dayanand, Vanishree Babarana, NagarjunaSivara j, MaryShobhaR ani Inala	Ischemia Madified Albumin is a Marker In Preeclampsia? A Case Control Study in Kolar Population- a South west of India	American Journal of Pharmacy and Health Research	2015	3(6) 84-90	IF.0.67			
4	Aparna, Dayanand C.D Sheela, NagarjunaSivara j	Maternal thyroid hormones and atherogenic potency in preeclampsia in kolar a south west of India	British journal of Medicine and Medical Research	2015	10(4) 1-8	PubMed	--		
5	Mary Shobha Rani Inala,	Evidence of antibacterial	British Journal of	2015	10(1) 1-8	PubMed			

	C.D.Dayanand, Nagarjuna Sivaraj, Beena BM, AVM Kutty	activity by flavonoids isolated from seeds of Pongamia pinnata Linn on Methicillin Resistant staphylococcus aureus from the clinical isolate.	Microbial Research						
6	Vanishree Bambrana, CDDayanand, Pushpa P Kottur	Is Xanthine Oxidase, a Marker in Pre-eclampsia? A Case-Control Study	Journal of clinical and diagnostic Research	2015	9(10) 1-3	ISIF 1.0 Pubmed			

Note 2012-15 (05 PubMed, 02 Scopus)

Number papers published in peer reviewed journals (National / International)

Year	2012	2013	2014	2015
National	02	07	03	02
International	-	01	00	04
Total	02	08	03	06
Grand Total	19			

* Monographs - -

* Chapters in Books - -

* Books edited - -

* Books with ISBN with details of publishers - -

* Number listed in International database (For e.g. Web of Science, Scopus,

Humanities International Complete, Dare Database - International Social

Sciences Directory, EBSCO host, Medline, etc.) : 01

* Citation Index – range / average

Range : 1-6

Department total : 13

average : 4.3

* SNIP - -

* SJR - -

* Impact Factor – range / average

* Range 0.6 – 1.0 /average 0.8

* h-index

Department h-index : 2.5

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to

visit other laboratories /institutions / industries in India and abroad

Institute:

- 1 Mr pradeep kumar has deputed for training Programme on Phyto-chemistry of Medicinal Plants at Regional Medical Research Center (RMRC0 – ICMR, Belgaum from 11-11-2013 to 17-11-2013.

Laboratories: Nil

Industry: Nil

26. Faculty serving in

a) National committees

b) International committees

c) Editorial Boards

d) any other (specify)

Faculty serving as Reviewer

Department staff Dr Patil N.J as reviewer for

1. Journal of Alternative and complementary Medicine (Pub med indexed)
2. Journal of Ayurveda & Integrative Medicine (Pub med indexed)
- Journal of signs and the symptoms (Pub med indexed)

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

For continuing professional development, dept encourages faculty to attend Conferences, Seminars, Workshops and Guest lectures as recharging strategies

Department has conducted a work shop on Yoga therapy a journey towards healthier life on 19-06-2012.

Guest lecture on happiness analysis by Dr.GN Srividhya on 10-04-2012.

Department staff Dr Nitin Patil involved in organising Samanvaya conference in association with department of Community medicine on Alternative Medicine between 20-21 September 2013

Department has conducted work shop by Prajapita Eswari Bramhakumari theosophical society functions on community harmony, brotherly hood and Universal peace a value education on spirituality and peace conducted Rajayoga discourse for faculty between 21st to 25 October 2013.

Department staff Dr Nitin Patil has conducted work shop at SDU School of Nursing on Introduction to Yoga therapy on 12th 13th 15 – 22nd and on 25th of November 2013.

Faculty attended a series of National Research work shop organized by the University such as

- ➔ 1st National research seminar on Developing infrastructure for bio medical research 4-5th march 2010
- ➔ 2nd national research seminar on Application of new biology to medical research in the Indian context 9-10th march 2011
- ➔ 3rd national research seminar on foetal origin of childhood and adult disease, genetic epigenetic and environment perspectives 24-25 January 2012
- ➔ 4th national research seminar on opportunities and challenges in medical research in India 8-9 march 2013
- ➔ 5th national research seminar between 25th to 26th April 2014 on “On personalized medicine- The Emerging Paradigm”.
- ➔ International Day of Yoga 21st June 2015 and Yoga Saptaha from June 20th 2015 to June 27th 2015. Organized from Department of Integrative Medicine and NSS wing. SDUAHER.

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : Nil
- ➔ percentage of students doing projects in collaboration with other universities / industry /institute : Nil

29. Awards / recognitions received at the national

and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

a) Faculty:

Mary Shobha Rani Inala*, C.D Dayanand, AVM Kutty presented a poster entitled “Evaluation of antibacterial-Activity of pongamia pinnata linn. (Awarded 2nd prize) “ in Samanvaya conference on alternative medicine at SDUMC, Kolar held on 20th& 21st September 2013.

Pradeep kumarVegi received award for best oral presentation of research paper at ACBI conducted in KMC Manipal during 2014.

Patil NJ presented a paper entitled “Papaya leaf extract- as an adjuvant therapy in dengue fever” in fourth international conference on medical plants and herbal products at John Hopkins University, USA.

b) Doctoral / post-doctoral fellows : Nil

c) Students: : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Departmental staff actively participated in conduct of university funded National Research Seminars invited eminent personalities of national and international repute

National research seminars	Theme	Date	Eminent Personalities / Outstanding participants
First	Application of new biology to medical research in the Indian context	9-10 th march 2011	<ul style="list-style-type: none"> • Padma Shri Dr. MR Satyanarayana Rao, President, Jawaharlal Nehru Centre for Advanced Scientific Research. Bangalore • Dr.S K Yachha, Professor and Head of paediatrics Gastroenterology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow.
Second	Foetal Origin Of Childhood And Adult Disease, Genetic Epigenetic and Environment Perspectives	24-25 January 2012	<ul style="list-style-type: none"> • Dr. Eric Hoffmann Director, Research Centre for Genetic Medicine, Children's National Medical Centre Washington DC, USA. • Dr. CS Yajnik , Director, KEM hospital Diabetes Centre, Pune • Dr. Anuranjan Anand, Professor of Molecular Biology and Genetics, Jawaharlal Nehru Centre for Advanced Scientific Research. Bangalore.
Third	Opportunities and Challenges in Medical Research in India	8 th - 9 th March 2013	<ul style="list-style-type: none"> • Professor P.Balaram, Director, IISC, Bangalore. • Vishwa Mohan Katoch, Secretary Department of Health Research, General ICMR, New Delhi • Padma Shri Dr. V. Mohan, Dr. Mohan's diabetic specialities, Chennai.

			<ul style="list-style-type: none"> • Dr.Subarna Roy, Regional Medical Research Centre, Belgaum. • Dr. Shivaprasad S Goudar, Director, Department of medical education research, JN medical College, Belgaum.
Fourth	On personalized Medicine- The Emerging Paradigm	25 th to 26 th April 2014	<ul style="list-style-type: none"> • Dr.Karl E Arfors, Professor, Emirates, Karolinska institute of research, Stockholm, Sweden. • Dr. Navakanth Bhat, Professor, Department of Electrical and Communication Engineering, IISC, Bangalore.

31. Code of ethics for research followed by the departments

The department follows the ICMR guide lines for performing research on Human subjects and biological

Samples and the University has Central ethics Committee constituted as per the Y schedule-Drug and cosmetic Act -1945.

The Committee has been recognized and registered under the central Drugs standard control organization with Drug Control General of India with Vide Registration No .ECR/425/ Inst /KA/2013 dated 07th August 2013.

32. Student profile program-wise

UNDER GRADUATE PROGRAMME									
Name of the Program	Application received	Selected		Examination Applied		Pass		Pass percentage (%)	
		Male	Female	Male	Female	Male	Female	Male	Female
B.Sc 2010-11									
1 st semester	13	08	05	08	05	05	04	62	80
2 nd semester				07	05	07	05	100	100
3 rd semester				07	04	06	04	85	100
4 th semester				07	04	07	04	100	100
5 th semester				07	04	07	04	100	100

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semester									
6 th semester				07	04	07	04	100	100
B.Sc 2011-12									
1 st semester	06	02	04	02	04	01	03	50	75
2 nd semester				01	03	01	03	100	100
3 rd semester				01	03	01	03	100	100
4 th semester				01	03	01	03	100	100
5 th semester				01	03	01	03	100	100
6 th semester				01	03	01	03	100	100
B.Sc 2012-13									
1 st semester	09	06	03	06	03	03	03	50	100
2 nd semester				06	03	06	03	100	100
3 rd semester				06	03	06	03	100	100
4 th semester				06	03	04	03	66	100
5 th semester				05	03	04	03	80	100
6 th semester									
B.Sc 2013-14									
1 st semester	25	08	17	08	17	08	17	100	100
2 nd semester				07	17	06	16	85	94
3 rd semester				05	19	05	15	100	78
4 th semester									
5 th semester									
6 th semester									
B.Sc 2014-15									
1 st semester	49	34	15	32	15	20	13	62	86
PGDYP14-15									
	03	02	01	02	01	02	01	100	100

33. Diversity of students

Name of the Program and batch	Total students	% of students from the same university	% of students from other universities Within the state		% of students from universities outside the state		% of students from other countries	
			Number of students	%	Number of students	%	Number of students	%
B.Sc								
2010- 11	13	-	13	100	-	-	-	-
2011-12	06	-	06	100	-	-	-	-
2012-13	09	-	09	100	-	-	-	-
2013-14	25	-	19	76	06	24	-	-
2014-15	49	-	24	49	21	43	04	8
M.Sc								
2014-15	05	-	02	100	-	-	-	-

34. How many students have Cleared Civil Services and Defence Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive Examinations ? Give details category-wise : Nil

35. Student progression

Student Progression	Enrolled	Percentage against enrolled
UG to PG		
B.Sc		
2010-11	13	03 numbers (23 %)
2011-12	06	Study period progress
2012-13	09	
2013-14	25	
2014-15	49	
PG to M.Phil, DM/MCh/ DNB	-	-
2014-15	05	First batch study period progress
PG to Ph.D	-	-
Ph.D to Post-Doctoral	-	-
Employed	Yes	
Campus selection	-	-
Other than campus recruitment	10 (8within 02 other than campus)	76.9%
Entrepreneurs	-	-

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	01 (14%)
From other universities within the state	03 (43 %)
From universities from other states	03 (43%)
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to

- a) Library: The department has library facility consist of 127 books of different titles along with 32 e-Books.
- b) Internet facilities for staff and students: department has internet with Wireless Fidelity (Wi-Fi) and Local Area Network (LAN) facilities to the staff and students in the department. 04 desk tops+03 Laser printers+02 scanners for department administration.
- c) Total number of class rooms: Department has two lecture halls one with 100 students capacity and another with 50 students capacity.
- d) Class rooms with ICT facility and 'smart' class rooms: classrooms are equipped with ICT enabled flexible teaching system[laptop+LCD projector+ white interactive board]
one conference room for departmental meetings and discussions equipped with LCD
projector with white screen
scanned question paper soft copy is made available for students immediate reference for
student assisted learning.
- e) Students' laboratories: departments of constituent medical college has laboratory for training of students for practical.
- f) Research laboratories: department has proteomics research laboratory to facilitate research by student and faculty.

39. List of doctoral, post-doctoral students and research associates

- a) **From the host institution/University**
- b) **From other institutions/universities : Nil**

40. Number of post graduate students getting financial assistance from the university

University has granted financial assistance under earn while learn scheme for needy students

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The constituent of the College has a teaching hospital with 1050 beds. The hospital Clinical laboratory services, department of radiology, Anaesthesia, Ophthalmology, Radiotherapy, Dialysis etc. used to experience shortage of skilled manpower.

The Department undertook ground work in assessment of need based programme in local, regional and national importance,

The new curriculum planning design and development begins at department levels

Draft will be discussed in detail in board of studies meeting before academic peers from other universities.

Once provisional approval is granted, the prepared curriculum presented in academic council approval for improvement and/or implementation.

This methodology is being used in curriculum enrichment to introduce any programme in emerging area or interdisciplinary area. Then the curriculum in practice subjected to revision or modifications on the basis of feedback from students and faculty.

Note: They are non-profit programmes are in line with the Philosophy of the University

42. Does the department obtain feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?
- b) Students on staff, curriculum and teaching-learning-evaluation
and how does the department utilize the feedback?
- c) Alumni and employers on the programs offered and how does
the department utilize the feedback?

43. List the distinguished alumni of the department (Maximum 10)

The first batch of the student completed the course in the year 2013-14, the students were awarded degree in the 2015 March in 5th Annual Convocation.

44. Give details of student enrichment programs (Special lectures/ workshops/ seminar) involving external experts

Students are empowered by enrichment program that strengthen the curriculum.

Students are advised to attend compulsorily guest lectures, seminars, in-house conferences organized by university by inviting external experts.

Students are also advised to take part actively in CME programmes, value added educational programmes and special lectures to acquire the knowledge.

45. List the teaching methods adopted by the faculty for different

The teachers assigned to each programme adapt following teaching methods in single or in combination to improve the students learning:

- 1) ICT enabled power point presentation by LCD projector
 - 2) Assignments
 - 3) Seminars
 - 4) Providing e-Books
- programs including clinical teaching

Providing soft copy of previous examination question papers

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Programme objectives are met by

1. Semester wise well defined academic annual calendar of Events for each course
 2. Schedule of teaching –Time table, reflection of theory and practical of curriculum
 3. Internal assessment formative Evaluation
 4. Semester end University evaluation or summative assessment
- Obligatory rotational internship at the end of course for student empowerment

47. Highlight the participation of students and faculty in extension activities

Participation of students and faculty in

- 1) National Social Service Activities(NSS) in
 - 2) National Integration Camp (NIC)
 - 3) Swatch Bharat swastha bharat abhiyan an UGC initiative for clean and healthy India
 - 4) Youth red cross activities
 - 5) National Unity day 30th October 2014
- Student participation in sports

48. Give details of “beyond syllabus scholarly activities” of the department

Department encourages to actively participate in National and International Conference, seminars, symposia and workshops.

Students are encouraged to participate in extension community outreach activity (Health camps) and also take part in active participation National Science Day exhibition.

Providing environmental awareness to manage environmental hazard.

Advised to participate in Debate /essay competition

49. State whether the program/department is accredited / graded by other agencies? If yes, give details. : No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied

By understanding the local community needs, department introduced various undergraduate programmes with add-on course generate knowledge enhancement and also employment due to their job oriented nature.

51. Detail five major strengths, weaknesses, opportunities and challenges (SWOC) of the department

Strengths :

1. Department has Research laboratory along with paramedical courses.
2. Standardization of a procedure for Isolation and analysis of Exosomes from urine and serum under collaborative research
3. Offering certificate course along with regular BSc degree for better employment opportunity.
4. Department participated in to National initiative of Allied Health Sciences[NIAHS] survey
5. Introduced Semester based job oriented vocational courses with internship for capacity building in students

Weaknesses:

- 1) Difficulty in Resource mobilisation for research from external funding agencies
- 2) Not having any breakthrough that results patent in research
- 3) Seldom availability of Allied Health science Faculty with MSc MLT/OT/IMT/dialysis

Opportunities :

1. Introduction of choice based credit system to existing semester system of curriculum

2. To have courses/research in collaboration with other Universities/ industry
3. To encourage research attitude in BSc students by project proposals submission to VGST, Karnataka.
4. Introducing a vocational certificate course along with regular degree as per National Vocational Educational qualification Frame work [NVEQF] under National skill Qualification Frame work[NSQF] as suggested by MHRD at Higher educational level.
5. To develop distinct faculty for the training of the paramedical courses by introducing Masters programme

Challenges:

- 1) To provide expertise in the advance area in the Laboratory medicine
- 2) Obtaining infrastructure of institute importance
- 3) Progression in research to make recognition of the department
- 4) Introduction of newer courses having more employability
- 5) To increase the number of students admission.

52. Future plans of the department

1. Planning to start B.Sc. in Radiotherapy / B.Sc. in emergency medicine techniques
2. Planning to Introduce PhD programme in association with Microbiology, Pathology and Biochemistry for post graduates in paramedical science.
3. Planning to initiate twinning programmes with institution of international /national importance.
4. Planning to carryout research for department recognition

Evaluative Report of The Department of Cell Biology and Molecular Genetics

- 1. Name of the Department** : Cell Biology and Molecular Genetics
2. Year of establishment : 2011
3. Is the Department part of a college/Faculty of the university?
Faculty of University [Faculty of Allied Health Sciences]

Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

A) Post Graduate Program

(i) Master of Science in Molecular Biology and Human Genetics [M.Sc.]

B) Post Graduate Diploma program

(i) Post Graduate diploma in Genomic Technology [PGDGT]

C) M.Phil. program

(i) Master of Philosophy in Molecular Cell Biology and Medical Genetics [M.Phil.]

D) Ph.D. Program

(i) Ph.D. in Cytogenetics and Molecular Biology [Ph.D.]

5. Interdisciplinary programs and departments involved

i) Master of Science in Molecular Biology and Human Genetics [M.Sc.]

ii) Master of Philosophy in Molecular Cell Biology and Medical Genetics [M.Phil.]

iii)) Post Graduate diploma in Genomic Technology [PGDGT]

Departments involved: Anatomy, Biochemistry, Microbiology, Physiology, Pathology, Paediatrics, OBG, Medicine, ENT.

6. Courses in collaboration with other universities, industries, foreign Institutions, etc.

M.Phil. and Ph.D. programs conducted by the department of Cell Biology and Molecular Genetics utilises the expertise from **industries** in order to expose the students to the modern technology in the area of Molecular genetics. The University has signed Memorandum of Understanding [MoU] with M/s Genotypic India Pvt Ltd. Bangalore. The aforesaid company is involved in providing advanced analytical genomics services to agriculture, pharmaceutical and medical sectors. Some of the advanced technologies available to us through this

collaboration are Array-CGH, Next-Generation Sequencing, Exome Sequencing and Real time-PCR.

7. Details of programs discontinued, if any, with reasons : Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Examination system is semester wise

Note: Choice based credit system will be incorporated from academic year 2015-16 as per the UGC direction (letter No. D.O.No.F.1-1/2014 dated 12th November 2014)

9. Participation of the department in the courses offered by other departments

2 weeks Rotation for M. D. Pharmacology students of SDUMC for training in Molecular Techniques associated with Pharmacogenomics. Training program in operation since 2011.

2 weeks Rotation for M. D. Microbiology students of SDUMC for training in Molecular Techniques (PCR).

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	01
Associate Professor/Reader	01	0	0
Assistant Professor	02	02	02
Lecturer	02	02	02
Tutor / Clinical Instructor	-	-	-
Senior Resident/Research assistant	2	2	02

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Area of Specialization	Experience	Research under guidance
Dr Satish Ramachandra Rao	M.Sc.Ph.D.	Professor & Head	Biochemistry	24	M.Phil/Ph.D . Guide
Dr Mitesh Shetty	M.B.B.S. M.Sc. Ph.D.	Assistant Professor	Medical Genetics	10	M.Phil/Ph.D . Guide
Dr Sharath B	M.Sc. Ph.D.	Asst. Professor	Biotechnology	05	M.Phil/Ph.D . Guide
Mr Vaigundan	M.Sc.	Lecturer	Molecular Biology/ Protein	08	

			Science		
Mrs Divya C	M.Sc.	Lecturer	Human Genetics/ Bioinformatics	07	
Dr Kiranmayee P.	M.Sc. Ph.D.	Research Associate	Molecular Biology	10	
Mrs Deepa R	M.Sc.	Research Assistant	Molecular Biology Molecular Biology	2	
Ms. Rekhashree	M.Sc.	Research Assistant		2	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors Emeritus Professor:

1. Dr. P.R KirshnaSwamy, Emeritus Professor in the Department of Cell Biology and Molecular Genetics and Scientific Advisor to SDUAHER (Former Director:-Manipal Hospital Diagnostic Services & Research, Bangalore; Former Chief of Laboratories of Pathology and Head of Research, Jaslok Hospital & Research Center, Bombay)

Visiting Fellows

1. Dr. Jayashre Wodeyar Professor of Cytogenetics Sheshadripuram. College Bangalore.

13. Percentage of classes taken by temporary faculty – program-wise information

Name of the program	Batch Semester &	Total Number of students program wise	Number of teachers involved in teaching activity	No of Class prescribed	No of class taken	% of classes taken by the faculty
Post Graduate diploma in Genomic Technology [PGDGT]	2014-15 batch (II Sem)	02	04	100 T 210 P	74 200	74 95
Master of Science in Molecular Biology and Human Genetics [M.Sc.]	2014-15 batch (II Sem)	05	04	200 T 200 P	172 146	86 73
Master of Philosophy in Molecular Cell Biology and Medical Genetics [M.Phil.]	2014-15 batch (II Sem)	01	04	100 T 210 P	74 200	74 95
Ph.D. in Cytogenetics and Molecular Biology [Ph.D.]	2014-15 batch (II Sem)	01	01	185	120	65

14. Program-wise Student Teacher Ratio

Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Teacher – students ratio
Post Graduate diploma in Genomic Technology [PGDGT]	2014-15 batch (II Semester)	02	04	2:1
Master of science in Molecular Biology and Human Genetics [M.Sc.]	2014-15 batch (II Semester)	05	04	1:1
Master of Philosophy in Molecular Cell Biology and Medical Genetics [M.Phil.]	2014-15 batch (II Semester)	01	04	4:1
Ph.D. in Cytogenetics and Molecular Biology [Ph.D.]	2014-15 batch (II Semester)	01	01	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Designation	Numbers Sanctioned & actual
Research assistant[technical]	02
Computer operator & clerk*	01
Lab attenders	01
Sweepers	01

*administrative support staff

16. Research thrust areas as recognized by major funding agencies**A. Biomarkers (Dr. Satish Ramachandra Rao)**

1. Urinary markers for kidney function (Exosomes. Proteins, Metabolites)
2. Urinary and serum markers for infectious diseases (Dengue, Leptospirosis)
3. Urinary & serum markers for other diseases (Oral cancer, Preeclampsia)

B. Genetic Disorders (Dr. Mitesh Shetty)

1. Congenital anomalies in newborn
2. Cardiac defects in children
3. Non Syndromic Hearing loss
4. Chronic Otitis Media
5. Psoriasis
6. Beta-Thalasemia
7. Congenital Ichthyosis
8. Hereditary Multiple Exostosis

C. Protein Science and Enzymology (Dr. P.R. Krishnaswamy)

1. L-Amino Acid Oxidase from *Leptospira interrogans*
2. Triosephosphate Isomerase from *Leptospira interrogans*
- D. Cancer Biology and Pharmacogenomics (Dr. Sharath B.)
 1. Oral Squamous Cell Carcinoma
 2. Uterine Leiomyoma
 3. Warfarin dosage

17. Number of faculty with ongoing projects from

- a) National
- b) International funding agencies and
- c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nature of projects	No. of faculty	On going	Completed	Grant Received* Rs. in Lakhs
University Funded	05	07	03	3.5

Completed Research Projects (Intramural Funding from SDUAHER)

1. Mutational analysis of autosomal Recessive Congenital Ichthyosis with insights into structural and functional relationship of novel transglutaminase-1 mutations
Investigators: Vaigundan D, Dr. Krishnaswamy P R, Dr. Kutty A V M.

Outcome:

- a. Vaigundan D, Kalmankar NV, Krishnappa J, Gowda YN, Kutty AVM, Krishnaswamy PR. A Novel Mutation in the Transglutaminase-1 Gene in an Autosomal Recessive Congenital Ichthyosis Patient. 2014 Bio Med Research International; 2014: article ID 706827.
2. Molecular genetic studies on Hereditary Multiple Exostoses Cases.
Investigators: Malini K, Dr. Gudi N S, Dr. Kutty A V M, Dr. Prasad CSBR.

Outcome:

- a. Malini K, Gudi NS, Kutty AVM, Balakrishna S. Mutational Analysis of Exostosin 1 and 2 Genes in Multiple Osteochondroma. Indian Journal of Pediatrics 2014: DOI; 10.1007/s12098-014-1675-1.
- b. Kalyani R, Prabhakar K, Naseer SB, Krishnamurthy DS. Multiple Hereditary Exostoses in a Family for Three Generation of Indian Origin with Review of Literature. Journal of Clinical and Diagnostic Research 2014: DOI:10.7860/JCDR/2014/8228.4942;Vol-8 (10):LD01-LD03.
3. Molecular Genetic Investigation on patients suffering from paroxysmal dyskinesias and benign familial Infantile Epilepsy

Investigators: Dr. Prabhakara S

Outcome:

- a. Prabhakara S, Anbazhagan K. Molecular analysis of PRRT2 gene in a case of paroxysmal kinesigenic dyskinesia patient. Annals of Indian Academy of Neurology 2014;17:459-62;DOI; 10.4103/0972-2327.144039

Ongoing Research Projects (Intramural Funding from SDUAHER)

1. Genomic information driven investigation of nutritional requirement of Leptospira.
Investigators: Vaigundan D, Dr. Krishnaswamy P R, Dr. Kutty AVM, Dr. Prasad SR.
2. Development of a rapid, cost-effective and non-invasive method for detection of HPV as a causative agent in cervical and head and neck dysplasia.
Investigators: Divya C, Dr. Kayvan, Dr. Gomathi
3. Evaluation of functional integrity of GH-IGF axis parameters in children of age group of 3-6 years in Kolar District. Studies based on nutritional and environmental perspectives. –
Investigators: Deepa R, Dr. Kutty A V M, Dr. Ranganath B G, Dr. Beeregowda.
4. Screening of congenital malformations in a tertiary care hospital
Investigators: Divya C, Dr. Krishnappa J, Dr. Kutty AVM.

Outcome:

Bose D, Krishnamurthy V, Venkatesh KS, Aiyaz M, Rao SN, Shetty M, Kutty AVM. Molecular Delineation of Partial Trisomy 14q and Partial Trisomy 12p in a patient with dysmorphic features, Heart Defect and Developmental Delay. Cytogenetic and Genome Research-2015; DOI; 10.1159/000381294.

5. Evaluation of polymorphism in TNF- α and CARD 14 genes in Psoriasis.
Investigators: Deepa R, Dr. Rajesh G, Dr. Kutty AVM, Dr. Sharath B.
6. Screening and molecular characterization of Beta-Thalassemia in anemic pregnant women.
Investigators: Dr. Shetty M, Dr. Sharath B, Divya B, Dr. Pushpa K.
7. Development of a rapid, cost-effective and non-invasive method for detection of HPV as a causative agent in cervical and head and neck dysplasia.

Investigators: Dr. Kayvan, Dr. Ranganath BG, Dr. Narayanaswamy M, Dr. Azeem

MSM, Dr. Gomathi, Divya B.

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration
- b) International collaboration

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, CSSR, AICTE, etc.; total grants received.

The University has applied for DSIR recognition and inspection in respect of the same was completed on 6.01.2011 however, on account pending case on Deemed to be Universities, This University is yet to get recognition as Scientific and Industrial research Organisation by DSIR which is one of the important criteria for obtaining funding from funding agencies. In addition pending to include under Section 2(f)/12(B) of the UGC Act 1956 to get financial assistance from funding agencies

GRANT APPLICATIONS

Title: 'Molecular Studies On Congenital Malformation With Incompatible Cytogenetics Finding'.

Funding Agency : Department of Health Research, Govt. of India.

Status : Pre-proposal Accepted. Full proposal under review.

20. Research facility / Centre with state recognition

- National recognition
- International recognition

University created platform for research by providing facility of its unique type with advance technology in genomics to support undergraduate / post graduate and faculty.

- **State recognition** : Nil
- **National recognition** : The University has submitted application for DSIR Recognition.
- **International recognition** : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies Nil

22. Publications

SL. No.	List the authors names & in order exactly as appeared in the journal article	Title of the article	Journal name	Year of publication	Vol & issue	Page Nos.	Impact factor	Citation index	h-index
2012									
1	PR Krishnaswamy, A V M Kutty	A Pursuit without Boundaries” Nobel Prizes on Physiology, Medicine and Chemistry	J Clin Biomed Sci	2012	2(4)	157-61	-	-	-
2	P R Krishnaswamy, A V M Kutty	Dawn of a New Era in Biomedical Science	J Clin Biomed Sci	2012	2(4)	162-66	-	-	-
3	Krishnappa J. KrishnaswamyJR. Kadandale JS, Dhanajaya CD	Familial Fanconi Anemia with bowed and dysplastic right ulna bilateral thumb aplasia: a case report	International Journal of Biological and Medical Research	2012	3(1)	1447-49	-	-	-
4	Krishnappa J Harshavardhana S.Prabhakara S Divyachidambaram	Hoffmann disease [spinal muscular atrophy type 1 very severe form]-a case report	International Journal of Advanced Biological Research	2012	2(1)	153-55	-	-	-
2013									
1	K.N. Venkatesh Prasad, Arvind Rajha, Pradeep Kumar Vegi.	A case of monozygotic twins: The value of discordant monozygotic twins in Goldenhar syndrome	Case Report in Paediatrics	2013	63	1-3	-	-	-
2014									
1	Gayathri BN Sagayaraj A Prabhakara S Suresh T N Azeem Mohiyuddin SM	Papillary Thyroid Carcinoma in a 5-year old child-Case Report	Indian Journal of Surgical Oncology	2014	5(4)	321-4	-	-	3
2	Vaigundan D Neha VK Krishnappa J Yellappa Gowda N Kutty A V M Krishnaswamy PR	A Novel Mutation in the Transglutaminase-1 Gene in an Autosomal Recessive Congenital Ichthyosis Patient	BioMed Research International	2014	DOI 10.1155/2014/706827	6	2.71	-	-
3	Kalyani R Prabhakar K Gopinath B Sheik Naseer B Krishnamurthy DS	Multiple Hereditary Exotoses in a Family for Three Generation of Indian Origin	Journal of Clinical and Diagnostic Research	2014	Vol-8(10)	LD01-3	0.13	-	6

National Assessment and Accreditation Council

		with Review of Literature (Case Report)							
2015									
1	Shiny Vinilla Dayanand C.D* Pushpha Kotur Pradeep Kumar Vegi	Evidence of paternal N5 N 10 Methylene Tetrahydrofolate Reductase (MTHFR) C677T gene polymorphism in couples with Recurrent Spontaneous Abortio in Kolar district-A south west of India	Journal of Clinical and Diagnosti c Research	2015	9 (2)	15-18	0.13	-	6
2	Malini K Gudi NS Kutty AVM Sharath B	Mutational Analysis of Exostosin 1 and 2 Genes in Multiple Osteochondroma	Indian Journal of Paediatric s	2015	DOI 10.1007/s12098-014-1675-1	-	0.9	-	30
3	Prabhakara S Kolandaswamy A	Molecular analysis of PRRT2 gene in a case of Paroxysmal Kinesiegenic dyskinesia patient (Case Report)	Annals of Indian Academy of Neurology	2015	17(4)	459-62	0.6	-	9
4	Bose D, Krishnamurthy V, Venkatesh KS, Aiyaz M, Rao SN,Shetty M, Kutty AVM.. - 2015;	Molecular Delineation of Partial Trisomy 14q and Partial Trisomy 12p in a patient with dysmorphic features, Heart Defect and Developmental Delay	Cytogenet ic and Genome Research	2015	DOI; 10,1159/000381294		1.91	-	66

Number of papers published in peer reviewed journals (National / International) Number of papers published year wise in peer Reviewed journals

Year	2012	2013	2014	2015
National	04		02	03
International		01	01	01
Total	04	01	03	04
Grand Total	12			

***Sri Devaraj Urs Academy of Higher Education and Research, Kolar
(Institution Deemed to be University)***

* Monographs	-
* Chapters in Books	-
* Books edited	-
* Books with ISBN with details of publishers	-
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)	08 (Scopus Indexed)
* Citation Index – range / average	-
* SNIP	Range 0.684-0.929/ Average 0.78
* SJR	Range 0.415-0.925/ Average 0.93
* Impact Factor – range / average	Range 0.13-2.7/ Average 1.05
* h-index	1.0

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Faculty visited other laboratories, institutions, industries for training

Institution/ Industry:

1. Mr. Vaigundan D. (Ph.D. Scholar) attended a workshop on ‘Genomics and Community Genetics’ conducted by Welcome Trust and Institute Pasteur on 19.11.2011 at Dehradun.
2. Dr. Prabhakara S. (Asst. Prof.) underwent training on ‘sequencing of PRRT2 (proline rich transmembrane protein) gene of peroxysomalkinesigenic dyskinesia with infantile convulsions’ at Department of Clinical Molecular Genetics. University de Picardia, Amiens, France (International).
3. Mr. Vaigundan D. (Ph.D. Scholar) underwent two weeks hands on training on ‘Cultivation of Leptospira’ in RMRC ICMR Project, Port Blair, Andaman in July 2013.
4. Mrs. Deepa R. (Ph.D. Scholar) underwent training at National Institute for Research in Reproductive Health, (ICMR) Mumbai on “Molecular and Cytogenetics Techniques” for one week from 21st Oct. 2013 to 26th Oct. 2013.
5. Mr. Vaigundan D. (Ph.D. Scholar) participated in hands on work shop on “Array CGH” conducted by genotypic technology, Bangalore on 1st February 2014.

26. Faculty serving in

a) National committees

b) International committees : Nil

- c) Editorial Boards
- d) any other (specify)

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Department encourages faculty to attend Workshops, Training programmes, seminars conferences to enhance and update their knowledge. The list of faculty who had undergone various kinds of training has been indicated in section 25.

Bose D. has presented poster on “Molecular Delineation of partial Trisomy 14q and partial trisomy 12p in a patient with dysmorphic features, heart defect and developmental delay” for 4 days from 14th Dec. 2014 to 18th Dec. 2014 at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore.

28. Student projects:

- Percentage of students who have taken up in-house projects including inter-departmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute

One Ph.D. student (Mrs. Divya Bose) has taken up in-house project in association with M/s. Genotypic Technologies Private Limited, Bangalore on “Cytogenetic and Molecular Studies on Congenital Anomalies in New Born Infants.”

Another Ph.D. student (Mr. Vaigundan D.) has undertaken collaborative research project with Prof P. Balaram of Indian Institute of Science, Bangalore, on “Bioinformatics studies on structure–function relationship of Transglutaminase-1 mutations”.

29. Awards / recognitions received at the national and international level by

- Faculty
 - Doctoral / Post doctoral fellows
 - Students
 1. Anitha A, Prabhakar K, Krishnaswamy PR, Raghavendra Prasad BN, Mohan Badgandi, Vijay Bhat, Mukesh Bangera K, Vaigundan D, Presented a poster entitled “An Uncommon Case of Common Variable Immuno Deficiency with Severe Growth Retardation, Endocrinological and Genomic Approaches in Diagnosis”(Awarded 1st prize -DIABETES , OBESITY, NUTRITION & ENDOCRINOLOGY) in 69th Annual Conference of the Association of Physicians of India Ludhiana, Punjab held on February 20-23, 2014.
- Doctoral / post-doctoral fellows: Nil
- Students: Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- The faculty of the department has participated in various capacities for the conduct of National Research Seminars on various themes and the university so far has conducted five such National Research Seminars. The funding for the same university
- 5th National Research Seminar between 25th to 26th April 2014 on “On personalized medicine- The Emerging Paradigm”. This scientific platform invited eminent guest speakers of national and international repute.
- 4th National Research Seminar between 8th to 9th March 2013 on “Opportunity and Challenges in Medical Research in India”.
- 3rd National Research Seminar between 24th to 25th January 2012 on “Fetal origin of Childhood and Adult Diseases: Genetic, Epigenetic and Environmental Perspectives”.
- 2nd National Research Seminar between 9th to 10th March 2011 on “Application of New Biology to Medical Research in the Indian context”.
- WORKSHOP: Karyotyping and Molecular Analysis module was conducted by the Department as a part of Diagnostic Skills (Preconference Workshop of DeMedCon 2014) on 30. May.2014. Participants included 40 MBBS students.

31. Code of ethics for research followed by the departments

The department follows the ICMR guide lines for performing research on Human subjects and biological samples and the University has Central ethics Committee constituted as per the Y schedule-drug and cosmetic act of ICMR Guidelines. The Committee has been recognized and registered with Drugs Controller General of India Vide Registration No .ECR/425/ Inst /KA/2013 dated 07th August 2013.

32. Student profile program-wise :

POST GRADUATE PROGRAMME									
Name of the Program	Application Received	Selected		Examination Applied		Pass		percentage	
		Male	Female	Male	Female	Male	Female	Male	Female
M.Sc Molecular Biology and Human Genetics 2014-15									
1 st semester	05	01	04	01	04	01	04	100	100

POST GRADUATE DIPLOMA									
Name of the Program	Application Received	Selected		Examination Applied		Pass		percentage	
		Male	Female	Male	Female	Male	Female	Male	Female
Post Graduate Diploma in Genomic Technology (PGDGT)2011-12									
1 st semester	03	02	01	02	01	02	01	100	100
2 nd semester				02	01	02	01	100	100
PGDGT 2012-13									
1 st semester	02	00	02	-	02	-	02	-	100
2 nd semester				-	02	-	02	-	100
PGDGT 2013-14									
1 st semester	01	-	01	-	01	-	01	-	100
2 nd semester			01	-	01	-	01	-	100
PGDGT 2014-15									
1 st semester	02	01	01	01	01	01	01	100	100
2 nd semester									

MASTER OF PHILOSOPHY(M.Phil.)									
Name of the Program	Application Received	Selected		Examination Applied		Pass		Percentage	
		Male	Female	Male	Female	Male	Female	Male	Female
M.Phil 2011-12									
1 st semester	02	01	01	01	01	01	01	100	100
2 nd semester				01	01	01	01	100	100
3 rd semester				01	01	01	01	100	100
4 th semester				01	01	01	01	100	100
M.Phil 2012-13									
1 st semester	02	01	01	01	01	01	01	100	100
2 nd semester				01	01	01	01	100	100
3 rd semester				01	01	01	01	100	100
4 th semester				01	01	01	01	100	100
M.Phil 2013-14									
1 st semester	02	02	-	02	-	02	-	100	-
2 nd semester				02	-	02	-	100	-
3 rd semester									
M.Phil 2014-15									
1 st semester	02	02	-	01	-	01	-	100	-
2 nd semester									
3 rd semester									

DOCTOR OF PHILOSOPHY(Ph.D.)									
Name of the Program	Application Received	Selected		Examination Applied		Pass		percentage	
		Male	Female	Male	Female	Male	Female	Male	Female
Ph.D. 2013-14 batch									
1 st semester (Ph.D course work)	03	01	01	01	01	01	01	100	100
Ph.D. 2014-15 batch									
1 st semester (Ph.D. course work under progress)	02	-	01						

33. Diversity of students

Name of the Program and batch	Total students	% of students from the same university	% of students from other universities Within the state		% of students from universities outside the state		% of students from other countries	
			Number of students	%	Number of students	%	Number of students	%
M.Sc.								
2014-15	05	-	05	100	-	-	-	-
Post graduate Diploma (PGDGT)								
2011-12	03	-	03	100	-	-	-	-
2012-13	02	-	02	100	-	-	-	-
2013-14	01	-	-	-	01	100	-	-
2014-15	02	-	02	100	-	-	-	-
M.Phil.								
2011-12	02	-	01	50	01	50	-	-
2012-13	02	-	01	50	01	50	-	-
2013-14	02	-	-	-	02	100	-	-
2014-15	02	-	02	100	-	-	-	-
Ph.D.								
2013-14	02	-	01	50	01	50	-	-
2014-15	01	-	01	100	-	-	-	-

34. How many students have Cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other Competitive examinations ? Give details category-wise.

Nil

35. Student progression

Student Progression	Enrolled	Percentage against enrolled
UG to PG	-	
PG to M.Phil, DM/MCh/ DNB	-	
2014-15	05	First batch study period progress
PG to Ph.D	-	-
Ph.D to Post-Doctoral	-	-
Employed	Yes	
Campus selection	-	
Other than campus recruitment	01	25%
Entrepreneurs	-	-

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	10%
From other universities within the state	30%
From universities from other states	50%
From universities outside the country	10%

37. Number of faculty who were awarded M.Phil., DM, M.Ch, Ph.D., D.Sc. and D.Litt during the assessment period

One faculty of the Department was awarded Post Graduate Diploma in Genomic Technology.

38. Present details of departmental infrastructural facilities with regard to

- Library:** The department has library facility consist of 30 books of various titles along with 10 e-Books.
- Internet facilities for staff and students:** University has provided internet with Wi-Fi and LAN facilities to the staff and students.
- Total number of class rooms:** Department has two lecture halls; one with 50 students seating capacity and also one conference room for departmental meetings and discussions.

- d) **Class rooms with ICT facility and ‘smart’ class rooms:** classrooms are equipped with ICT facility with interactive boards.
- e) **Students’ laboratories:** department has post graduate student’s laboratories for training of practicals in Cell Biology and Molecular Genetics.
- f) **Research laboratories:** Department has Central Genomic and Proteomics laboratories to facilitate research

39. List of doctoral, post-doctoral students and research associates

- d) From the host institution/University
- e) From other institutions / universities

	List of students from the host institution/ university	List of students from the other institution/ university
Doctoral students	1. Mr. Vaigundan 2. Mrs. Divya C Bose 3. Mrs. Deepa Rajesh 4. Ms. Chandrakala 5. Mr. Mary Shoba Rani	---
Post-Doctoral students	----	----
Research associates	1. Kiranmayee P.	----

40. Number of post graduate students getting financial assistance from the university

University has introduced financial assistance under earn while learn scheme. It also provides monthly stipend for Postgraduate diploma in genomic technology students, M.Phil students and Ph.D scholars.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The University has established the Department of Cell Biology and Molecular Genetics in order to start innovative programs in the areas of Cytogenetics and Molecular genetics as well as to carry out research in this area in relation to molecular mechanisms of diseases.

This University has a constituent medical college which provides an ideal situation for the interdisciplinary and integrative approach between basic sciences and medical sciences.

Identifying this potential of the University, the department has realised the need for generating man power for carrying out research in the area of molecular basis of diseases / medicine as there is acute shortage of basic science post graduates with human biology background.

In view of this the department felt it imperative to design the curriculum in such a way that there would be emphasis on basic medical sciences in the curriculum.

The department ensures that the faculty engaged in the teaching of the subject identified involve in the curriculum development.

The departmental Meeting outcomes are placed in the BOS for suggestion and inputs which will be presented in the Academic council for approval.

Following this the program was started.

42. Does the department obtain feedback from

- a) Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
- c) Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, Department obtains feedback from the external subject expert members, Department Staff involved in teaching learning and evaluation and also from the students. The feedbacks are analysed and the content will be discussed in the board of studies.

Feedbacks are also obtained from alumni.

43. List the distinguished alumni of the department (Maximum 10)

Nil

44. Give details of student enrichment programs (Special lectures/workshops/ seminar) Involving external experts.

Students are compulsorily required to guest lectures, seminars, on-campus conferences, workshops and training programs organized by university.

Students are also encouraged to attend of-campus conferences, workshops and training programs.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching. The teachers assigned to each programme adopt following teaching methods in isolation or in combination with other modes:

- 5) ICT enabled power point presentation by LCD projector
- 6) Assignments

- 7) Seminars
- 8) Providing e-Books

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The Department prepares program wise calendar of events in each semester and strictly adhere to the same.

This ensures that teaching learning and evaluation activities are completed timely.

The timetable of each programme is designed in such a way that all the assignments in each semester {theory, practicals etc } are covered as per the curriculum

The learning outcome of the students are assessed by periodic conduct of the formative assessment and the same is analysed to ensure that each student meets with the objectives envisaged in the curriculum/program

47. Highlight the participation of students and faculty in extension activities The students and faculty actively participate in the programmes conducted by National Service Scheme (NSS) and Youth Red Cross

- 1) National Integration Camp of NSS
- 2) Swatch Bharat Abhiyaan an initiative for clean and Healthy India (exhorted by Prime Minister of India)
- 3) Blood donation camps (Youth Red Cross activities)

48. Give details of “beyond syllabus scholarly activities” of the department

Department encourages the teaching faculty to actively participate in National and International Conferences, seminars, symposia and workshops.

Students are encouraged to participate in extension community outreach activity (Health camps) and also take part in active participation National Science Day exhibition.

49. State whether the program/department is accredited/graded by other agencies? If yes, give details.

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. The Genomic and Proteomic Laboratories attached to the Department carry out Cytogenetic and Molecular Genetic research and has published some good research articles in international journals with good impact factor. The contributions of the departments in generating new knowledge includes:

1. Vaigundan D, Kalmankar NV, Krishnappa J, Gowda YN, Kutty AVM, Krishnaswamy PR. A Novel Mutation in the Transglutaminase-1 Gene in an Autosomal Recessive Congenital Ichthyosis Patient. 2014 Bio Med Research International; 2014: article ID 706827.

Significance: The study resulted in the discovery of a novel mutation not reported before from any part of the world.

2. Malini K, Gudi NS, Kutty AVM, Balakrishna S. Mutational Analysis of Exostosin 1 and 2 Genes in Multiple Osteochondroma. Indian Journal of Paediatrics 2014: DOI; 10.1007/s12098-014-1675-1.

Significance: The discovered mutation was not reported from India prior to this study. This study highlighted the mutational hotspot nature of the locus.

3. Bose D, Krishnamurthy V, Venkatesh KS, Aiyaz M, Rao SN, Shetty M, Kutty AVM. Molecular Delineation of Partial Trisomy 14q and Partial Trisomy 12p in a patient with dysmorphic features, Heart Defect and Developmental Delay. Cytogenetic and Genome Research- 2015; DOI; 10.1159/000381294.

Significance: The study resulted in the discovery of a novel chromosomal aberration not reported before from any part of the world.\

51. Detail five major strengths, weaknesses, opportunities and challenges (SWOC) of the department Strength :

- 1) Providing platform for interdisciplinary training and research for graduates of Medical Engineering and Basic Sciences in Molecular Biology.
- 2) Developing new courses in order to address man power requirement for research in the area of molecular basis of human diseases.
- 3) Industry institution partnership established by the department creates graduates of greater skills and industry ready.

- 4) Availability of the State of the Art technology instruments / equipment provides excellent exposure to the students in advanced techniques in the area of molecular research.
- 5) Caters to the training and research needs of the clinical departments to undertake the bio-chemical and molecular biological basis of diseases.

Weakness:

- 1) Establishing rapport with clinicians to enhance the quality of training and research.
- 2) Creating awareness on the importance of the training provided to the potential candidates for enrolments for programmes

Opportunity:

- 1) Interdisciplinary / integrative approach between basic and applied sciences
- 2) Creating of manpower for handling advanced molecular biological technologies.
- 3) Assisting medical personnel to effectively utilize technology for diagnosis.

Challenges:

- 6) To catch up with the latest advances in the area of molecular genetics.
- 7) Updating the laboratory with advanced equipment.
- 8) To create awareness and increase the enrolment of students to the courses offered by the department.
- 9) To obtain DSIR recognition and obtain external funding

52. Future plans of the department

- 1) To establish a National training centre for Cytogenetics and Molecular genetics for medical staff.
- 2) To start B.Sc. Human Biology program
- 3) To start integrated M.Sc. Ph.D. programmes in the subject of Molecular Cell Biology and Human Genetics.
- 4) Aim to become centre for excellence in teaching, learning, and research particularly in the area of genomics, and proteomic research.

Evaluative Report of the Master of Public health

1. **Name of the Department** : Department of Public Health
2. **Year of establishment** : 2014
3. **Is the Department part of a college/Faculty of the university?**
The Department of Public Health is part of the Sri Devaraj Urs Academy of Higher Education and Research (SDUAHER)
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
Master in Public Health (MPH) is Post Graduate (PG) degree
5. **Interdisciplinary programs and departments involved**
The Master in public health is interdisciplinary programme involving Health science, Epidemiology Social science Management science and Biostatistics. Other departments involved in teaching and conducting class for master in public health are Community Medicine, Physiology, Anatomy, Microbiology and Sociology
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
The department of public health has collaboration with university of Minnesota in curriculum development and students and staff exchange for learning programme
7. **Details of programs discontinued, if any, with reasons** : Nil
8. **Examination System:**

The examination pattern is semester wise involving theory and practical

9. Participation of the department in the courses offered by other departments

The department of public health is involved in environmental course offered by medical college under the community medicine department in conducting class for students for the faculty medical college and allied health science

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professors	1	1	1
Asst. Professor	1	1	1
Senior Resident	-	1	1
Total	-	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.B.G.Ranganath	MBBS, MD	Professor, & Co-Ordinator Department of Public Health	Community medicine	15 years

Dr. Vijayashree H Y	MBBS, MPH, (PhD)	Associate Professor	Public Health	6 Years
Dr.Narayana Swamy V	MBBS, DPH	Senior Resident	Public Health	25 years
Dr. Mahesh Kadamman avr	BDS, MPH	Assistant Professor	Public Health	4Years

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

The senior visiting faculty, emeritus professors

Beth A Virning, Senior Associate Dean for Academic Affairs and Research Professor, School of Public Health , University of Minnesota

W.A Toscano , Professor, Division of Environment Health Sciences , School of Public Health , University of Minnesota

13. Percentage of classes taken by temporary faculty – program-wise information

Ten percent of class (**Fifteen class**) were conducted by temporary visiting faculty in MPH program

14. Program-wise Student Teacher Ratio

In the Department of Public Health student teacher ratio is one : One

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

In the Department of Public Health student teacher ratio is one: one

16. Research thrust areas as recognized by major funding agencies

Thrust area recognised by the Department of Public Health are

- a) Tobacco control
- b) Non communicable diseases : Disease control
- c) Communicable diseases: Disease control
- d) Occupational Health
- e) Health of marginalized communities
- f) Health system strengthening
- g) Environment Health
- h) Nutrition
- i) Health financing
- j) Social Exclusion

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Sl.No	Name	Title of Research project	Funding agency	Grants received
1	Dr. Ranganath B.G. Professor	Health status and Prevalence of chronic lung disease among workers formerly employed in Gold mining industry in Kolar.	SDUAHER	50000
2	Dr. Ranganath B.G. Professor	Evaluation of influence of primary preventive measures implemented by administrative approach and regular health care approach in the control of risk factors for Diabetes and cardiovascular disease in police personnel.	SDUAHER	25000

18. **Inter-institutional collaborative projects and associated grants received** : Nil

19. **Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**
Nil

20. **Research facility / centre with** : Nil

21. **Special research laboratories sponsored by / created by industry or corporate bodies** : Nil

22. Publications:

Sl.No	Name of faculty	No. of Publications		Citation index	H index
		National	International		
1.	Dr. Ranganath B G	8	1	29	3

b) Chapter 6: Karnataka case study summary

Tanya Seshadri, Gayatri Ganesh, Anil MH, Mahesh Kadammanvar, Maya Elias, Manoj Kumar Pati, Thriveni BS, Arun, Nair, N Devadasan

c) Chapter 8: Implementing programmes as if social exclusion matters: enrolment in a social health protection scheme

Tanya Seshadri, Anil MH, Gayatri Ganesh, Mahesh Kadammanvar, Manoj Pati Kumar, Maya Annie Elias

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated**

Training for health care professionals

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

- a) The university encourages the faculty to visit institutions of repute in the areas of research and medical education. Recently one faculty of the department was deputed by the university to visit Madras Diabetic Research Foundation, Chennai to study and plan for the collaborative research.

Faculty	Institute visited	Level
Dr. Ranganath B G	Madras Diabetic Research Foundation, Chennai	National

- b) Joint Monitoring Mission for Revised National Tuberculosis Control Programme : The World Health Organization , Government of India (GoI) and other technical and donor partners undertook a Joint Monitoring Mission (JMM) to review the India's Revised National TB Control Programme (RNTCP) from 10-23 April 2015. The last JMM was undertaken in August 2012.

The JMM constituted 100 national and 50 international experts partnering with the RNTCP. **Dr. Vijayashree Yellappa**, faculty participated in the JMM (Private sector engagement). She was deployed in Mehsana district of Gujarat to observe the private sector engagement in RNTCP.

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (specify)**

Nil

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Faculty are encouraged to attend orientation programs, workshops, training programs and similar programs contacted at external institute SPCL and TA/DA are granted to attend such programmes.

28. Student projects

- Implementation of COTPA
- Nutritional Status of children's in DRS PHC area
- Assessment of health status of marginalized communities in DRS PHC area
- Assessment of life style among diabetes mellitus patients

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Best poster presentation won by Dr Mahesh Kadammanavar at Health System Reform in Asia conference 2013 in Singapore

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Nil

31. Code of ethics for research followed by the departments

ICMR code of ethics

32. Student profile program-wise:

Name of the Program	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Master in Public Health (MPH) PG	5	1	3	25%	75%

33. Diversity of students

Name of the Program	% of student from the same University	% of students from other Universities within state	% of students from Universities outside the state	% of students from Universities outside the country
MPH	4	-	-	
			-	

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression**36. Diversity of staff**

Percentage of faculty who are graduates	Percentage
Of the same university	Nil
From other universities within the State	75%
From universities from other States	Nil
From universities outside the country	25%

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period :

One faculty is pursuing Ph.D

38. Present details of departmental infrastructural facilities with regard to

b) Library

The Department library is stocked with books from the following fields

SNO	Subject	Quantity
1)	Biostatistics	10
2)	Public Health	5
3)	Epidemiology	4

4)	Community Medicine	8
5)	Research methodology	3
6)	Sociology	20
7)	Demography	1
8)	Nutrition	1
9)	Environment	1
10)	Others	10
	Total	63

b. Internet facilities for staff and students

Department has Four desktop of which three desktop has broadband internet facility to be used by faculty and PG's. Reprography is provided through printer facility. All the post graduates are have laptops of their own.

c. Total number of class rooms

Class room	No
Gallery	
Museum	1
Practical hall	1
Seminar hall	1
Department Library	1
HoD Room	1
Staff Room	1

d. Class rooms with ICT facility and 'smart' class rooms

The department has access to one lecture galleries with 15 seating capacity, equipped with ICT facility.

e. Students' laboratories

Devarayasamudra PHC

Gandhinagar, urban health centre, Kolar

f. Research laboratories

Devarayasamudra PHC

Gandhinagar, urban health centre, Kolar

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university : Nil

b) from other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The need for MPH course was discussed in the board of studies, academic council meeting of the university and was approved by BOM

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Department conduct monthly faculty development meetings where the academic matters of the department are discussed and there is a departmental curriculum development committee which discuss about the new topic to be introduced into the curriculum. Based on the feedback from the curriculum development committee the department recommends the curriculum changes to the board of studies of the university

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Department obtains feedback on staff, teaching and learning methodology from the students after end of each semester. It is analysed within the department and necessary changes are made in the department

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts . : Nil

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department has facility & expertise to conduct teaching to students under MPH Program. Teaching methods includes

- Lecture
- Demonstration
- Tutorials
- Seminar presentation
- Journal club presentation
- Field visit
- Family study
- Research work
- Thesis

46. List How does the department ensure that program objectives are constantly met and learning outcomes are monitored ?

Achievements of program objectives are constantly monitored by the department through

- Preparation of monthly compliance reports of the teaching activities.
- Formative assessments and through student & faculty feedback.
- Monitoring of the achievements of program objectives has led to appropriate changes in the curriculum of the department & approved by the university.

47. Highlight the participation of students and faculty in extension activities

Faculty and students participants in the health camp in Kolar and neighboring districts

48. Give details of “beyond syllabus scholarly activities” of the department.

Nil

49. State whether the program/ department is accredited/ graded by other agencies ? If yes, give details

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

No

51. Future plans of the department.

Strengths	Weaknesses	Opportunities	Challenges
Highly motivated staff and experienced Staff	Lack of Planning to development to be made priority	Research activity in Communicable & Non communicable diseases, MCH	Enhance activities for capacity building
Multitasking staff	Not exploring institutional agenda	Training of Health workers	Student enrolment for coming year
Collaboration with international university for students and staff exchange	Lack of planning for networking	Co-ordination with other internal & external agencies	To improve the quality of research and publications
	Expertise not utilized	To improve the infrastructure/space and to tap the experience of staff	
	Shortage of outreach activity		

52. Future plans of the department.

- Development of MPH programme to meet international standards
- To start internship programme for international students
- To have collaboration with national and international agencies in field of studies and research

Evaluative Report of the Department Health Science Library And Information Studies

1. Name of the Department:

Post Graduate Department of Health Science Library and Information Studies

2. Year of establishment: 2015

3. Is the Department part of a college/Faculty of the university? :

Faculty of the University

4. Name of Programs offered:

M.Sc Health Science Library & Information Studies (HSLIS)
Certificate course in Health Science Library & Information Studies

5. Interdisciplinary programs and Department involved : Medical disciplines, Allied Health science and & ICT

6. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

7. Details of programs discontinued, if any, with reasons: Nil

8. Examination System: Semester

9. Participation of the department in the course offered by other departments: Undergraduate, Postgraduate and Ph.D programs of Medical and Allied Health Science courses.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others) -----

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	
Associate Professor/ Reader	1	1	
Assistant Professor	1	1	
Lecturer	-	-	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. R. Rama Raj Urs	M.A., M.L.I.Sc., Ph.D	Director Prof. & Head	Health Science Libraries & Information Networking	32 years
Dr. Deepanjali Dummi	MHSA., RHIA., BDS.,	Associate Professor	Health Informatics	08 years
Mr. Prakasha	B.A., M.L.I.Sc., M.Phil., (Ph.D)	Assistant Professor	Health Science Libraries & Information Networking	20 years

12. List of Senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

Name	Qualification	Designation	Specialization	No. of Years Exp.
Dr. K.S.Raghavan	M.L.I.Sc., Ph.D	Visiting Professor Former Prof. & Head of DRTC, Indian Statistical Institute, Bengaluru	Knowledge organization classification research and Indexing system	35 years
Dr. K.N Prasad	M.Sc. Associatesship in documentation, Ph.D	Visiting Professor Director, Institute of Information studies and Executive Officer SRELS, Bengaluru.	Indexing Thesaurus Development Knowledge Organization ICT Library and Information science,	30 years
Dr.P.Sadashiva Murthy	M.A., M.L.I.Sc., Ph.D	Visiting Professor Former Professor & Chairman Dept. of Library Information Studies ,Bangalore & Thumkur Universities	Foundation of Library and information Science and Education for Librarianship	40yrs
Dr.Kaiser Nikham	M.A., M.L.I.Sc., Ph.D	Visiting Professor & Chairman, Dept. of Library & Information studies, University of Mysore	Library Management, Indexing and Cataloging. Library Network	30 years
Dr.	M.A., M.L.I.Sc., Ph.D	Visiting faculty Associate Prof.	Institution Repository	23 years

M.Krishnamurthy		DRTC, ISI, Bengaluru	Digital Library Development Library and Information Science Computer Science	
Mr. Madhuresh Singhal	M.L.I.Sc, NCSI	Visiting faculty Senior Manager, Knowledge Services ADWINUS, Bengaluru	Library and Information Science, Computer applications in Health Science Library and Information Sciences	20 years
Mr. I.H. Jagirdhar	M.L.I.Sc	Visiting faculty Librarian, NAAC & Former Librarian of British Council, Bengaluru	Library and Information Science, Computer Science	30 yrs

13. Percentage of classes taken by temporary faculty – program-wise information :PG: 30%

14. Program-wise Student Teacher Ratio :2 : 1

15. Number of academic support staff (technical) and administrative staff; sanctioned, filled and actual

	Sanctioned	Filled	Actual
Stenographer/ office assistant	3	3	3
Attender	1	1	1

16. Research thrust areas as recognized by major funding agencies:

Development of e-Learning modules and tools,
 Digital Rights Access & Management
 User Education & Promotion of Digital Library Services
 Classification Research for emerging domain of Knowledge in Health Science
 Technology transfer and innovation in content development
 Current perspective on Health informatics and Health Science Librarianship

17. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise** - Nil

18. **Inter-institutional collaborative projects and associated grants received** – Nil

19. **Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc; total grants received. - Nil**

20. Research facility / center with –

- ➔ State recognition
- ➔ National recognition
- ➔ International recognition

Well-developed State-of-the-art Library and information center with need based huge collection of learning resources of Books, Journals, Databases both in Print & electronic media are made available in the established at SDUAHER for teaching, learning, research and extension of academic activities.

21. **Special research laboratories sponsored by / created by industry or corporate bodies** - Nil

22. Publications:

Publications by Dr. R. Rama Raj Urs, Director, Prof. & Head, Health Science Library & Information Studies, SDUAHER.

Book

Authored a book “Networking of Health Science Libraries: Resources and Standards”, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, 2000. PP179.

Reports

- E-Readiness Survey Assessment in Medical College Libraries - India: A Collaborative project of RGUHS and Health Inter Network India Project, WHO, Oct, 2004.
- National Consortium for Health Science Libraries: HELINET India Project-A proposal submitted to Ministry of Health Govt. of India, March 2006.
- Framework and Guidelines for the development, operation and management of a library consortium for resource sharing: A Collaborative project of RGUHS and Health Inter Network India Project, WHO 2004.
- Library Audit Report: Analysis of Library data of medical colleges affiliated to RGUHS in Karnataka, 2009.

Scientific Articles and Papers

- Nursing as a Discipline and its Classification in Dewey Decimal Classification'. Journal of Library and Information Science 7-2: 1982 Dec: p131-145
- "Survey of the Reading Habits of the Clientele of Public Library System of Rural District of Bangalore." ILA Bulletin 20, no.1-2 (April- September 1984): 14- 20.
- 'Development of Document Delivery System for Nursing Libraries in India'. In First National Seminar of Medical Library Association of India, held at Jaipur, during February 16-18 1985
- 'National Health Literature Information Policy: Nursing Studies'. In 2nd National Seminar of Medical Library Association of India held at Lucknow, during April 25-27, 1986.
- 'Information Service to Specialists in Nursing and Allied Fields'. In 44th FID Conference and congress held at Helsinki, Finland, during Aug 28 – Sept 1, 1988.

- 'Role of Libraries and Multimedia in Promoting Medical Education'. In State Youth Librarians Association Seminar, held at Bangalore during October 8-9, 1993
- 'Library Service to Hospital: A case study in Victoria Hospital'. In MLAI – 1993. National Convention and Workshop held at New Delhi during October 13-16, 1993
- 'Developing Adequate Learning Resources in Medical Libraries in Karnataka'. In MLAI – 1994 National Convention held at Bangalore during December 15-17, 1994
- 'Health Information Transfer by Government Agencies and Libraries in Karnataka'. In 7th International Congress on Medical Librarianship held at Washington D C during May 10-12, 1995
- 'Curriculum on Information Services for Education of Health Information Professionals' SRELS Journal of Information Management 38(1)pp 63-67, 2001
- 'HELILNET – The Case Study of a Regional Digital Library Initiative for Networked Access to Health Science Information Resources'. In 9th International Congress on Medical Librarianship held at Salvador, Bahia, Brazil, September 22-23, 2005
- 'HELINET – India: Experiences, Issues Challenges and Vision Plan'. In Asia Specific Partner Meeting Organized by Ovid Technologies held at Beijing China, during July 10-12, 2006
- 'Impact of Information, Communication and Technology (ICT)' In State Level Conference, Jointly Organized by Nursing Forum and RGUHS, held at RGUHS, during January 18-19, 2008
- 'User Education on HELINET Resources & Search Strategies'. In Prologue 2009: Orientation Program for MDS Course (Continuing Medical Education Series - 2) RGUHS, 2009 pp 5- 17.
- 'Practical Problems of Health Science Libraries: A Perspective' In 1st Annual Conference of Karnataka Medical Library Association,

Jointly by KMLA , and JJM Medical college Davangere, held at Davangere, During February 13-14, 2009

- ‘Information Seeking Behavior and Literature Search’. In Prologue 2010 Orientation Program for MDS Course in Association with Govt. Dental College and Research Institute Alumni Association, RGUHS, Bangalore, pp 7-15 , 2010
- ‘Nomenclature of Libraries’. In National Conference on Indian Academic Libraries 2020 organized by Karnataka State College Librarian Association held at Tumkur, during August 12-14, 2010.
- ‘Pre-Conference Paper on ‘Implementation Plan of Standards Developed by RGUHS’. In 2nd Annual Conference of Karnataka Medical Library Association, Jointly Organized by KIMS, and KMLA held at Bangalore during January 22-23, 2010.
- ‘Redefining Library Service in e-Age’. In 3rd Annual Conference of Karnataka Medical Library Association, RGUHS, Bangalore, pp 87-91, 2011
- ‘Recent Advanced in Health Sciences Librarianship: A Perspective’. In 3rd Annual Conference of Karnataka Medical Library Association, Jointly organized by KMLA and A B Shetty Memorial Institute of Dental Sciences Mangalore, held at Mangalore, during January 28-29, 2011.
- ‘Transformation of Health Science Libraries in Web Environment’. In 4th Annual Conference of Karnataka Medical Library Association, Jointly Organized by Kidwai Memorial Institute of Oncology and KMLA held at Bangalore, during January 27-28, 2012.
- Vancouver Style and References: Uniform Requirements for manuscripts submitting to biomedical journals and scientific Publications. In Workshop on Empowering Nursing Authors for Scientific Publications held at RGUHS during June 16-17,2012

- ➔ Number of papers published in peer reviewed journals (national / international):
 - Total Publications – 27 (1 Book, 4 Reports, 22 Articles / Papers)
- ➔ Monographs
- ➔ Chapters in Books
- ➔ Books edited
- Books with ISBN with details of publishers: 1

“Networking of Health Science Libraries: Resources and Standards”, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, 2000. PP179.

- ➔ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Date Database – International Social Sciences Directory, EBSCO host, Medline etc.,)
- ➔ Citation Index – range / average
- ➔ SNIP
- ➔ SJR
- ➔ Impact Factor – range / average
- ➔ H – index

23. **Details of patents and income generated** - Nil

24. **Areas of consultancy and income generated** - Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :

Presented Papers/ Resource Person /Keynote Speaker / participated by
Dr. R. Rama Raj Urs, Director, Prof. & Head, Health Science Library
& Information Studies, SDUAHER.

- ➔ ‘Information Service to Specialists in Nursing and Allied Fields’.
In 44th FID Conference and congress held at Helsinki, Finland,
during Aug 28 – Sept 1, 1988.
- ➔ ‘Health Information Transfer by Government Agencies and
Libraries in Karnataka’. In 7th International Congress on Medical
Librarianship held at Washington D C during May 10-12, 1995

- ➔ 'HELILNET – The Case Study of a Regional Digital Library Initiative for Networked Access to Health Science Information Resources'. In 9th International Congress on Medical Librarianship held at Salvador, Bahia, Brazil, September 22-23, 2005
- ➔ Development of Document Delivery System for Nursing Libraries in India'. In First National Seminar of Medical Library Association of India, held at Jaipur, during February 16-18 1985
- ➔ 'National Health Literature Information Policy: Nursing Studies'. In 2nd National Seminar of Medical Library Association of India held at Lucknow, during April 25-27, 1986.
- ➔ 'Role of Libraries and Multimedia in Promoting Medical Education'. In State Youth Librarians Association Seminar, held at Bangalore during October 8-9, 1993
- ➔ 'Library Service to Hospital: A case study in Victoria Hospital'. In MLAI – 1993. National Convention and Workshop held at New Delhi during October 13-16, 1993
- ➔ 'Developing Adequate Learning Resources in Medical Libraries in Karnataka'. In MLAI – 1994 National Convention held at Bangalore during December 15-17, 1994
- ➔ 'Curriculum on Information Services for Education of Health Information Professionals' SRELS Journal of Information Management 38(1)pp 63-67, 2001
- ➔ 'HELINET – India: Experiences, Issues Challenges and Vision Plan'. In Asia Specific Partner Meeting Organized by Ovid Technologies held at Beijing China, during July 10-12, 2006
- ➔ 'Impact of Information, Communication and Technology (ICT)' In State Level Conference, Jointly Organized by Nursing Forum and RGUHS, held at RGUHS, during January 18-19, 2008

- ➔ 'User Education on HELINET Resources & Search Strategies'. In Prologue 2009: Orientation Program for MDS Course (Continuing Medical Education Series - 2) RGUHS, 2009 pp 5- 17.
- ➔ 'Practical Problems of Health Science Libraries: A Perspective' In 1st Annual Conference of Karnataka Medical Library Association, Jointly by KMLA , and JJM Medical college Davangere, held at Davangere, During February 13-14, 2009
- ➔ 'Information Seeking Behavior and Literature Search'. In Prologue 2010 Orientation Program for MDS Course in Association with Govt. Dental College and Research Institute Alumni Association, RGUHS, Bangalore, pp 7-15 , 2010
- ➔ 'Nomenclature of Libraries'. In National Conference on Indian Academic Libraries 2020 organized by Karnataka State College Librarian Association held at Tumkur, during August 12-14, 2010.
- ➔ 'Pre-Conference Paper on 'Implementation Plan of Standards Developed by RGUHS'. In 2nd Annual Conference of Karnataka Medical Library Association, Jointly Organized by KIMS, and KMLA held at Bangalore during January 22-23, 2010.
- ➔ 'Redefining Library Service in e-Age'. In 3rd Annual Conference of Karnataka Medical Library Association, RGUHS, Bangalore, pp 87-91, 2011
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- ➔ 'Transformation of Health Science Libraries in Web Environment'. In 4th Annual Conference of Karnataka Medical Library Association, Jointly Organized by Kidwai Memorial Institute of

Oncology and KMLA held at Bangalore, during January 27-28, 2012.

- ➔ Vancouver Style and References: Uniform Requirements for manuscripts submitting to biomedical journals and scientific Publications. In Workshop on Empowering Nursing Authors for Scientific Publications held at RGUHS during June 16-17, 2012

26. Faculty serving in – Editorial Board of :

- a) National committees b) International committees c) Editorial Boards
- b) Any other (specify)
 - a. RGUHS Journal of Medical Science
 - b. RGUHS Journal of Dental Science
 - c. RGUHS Journal of Pharmacy
 - d. RGUHS Journal of Nursing
 - e. RGUHS Journal of AYUSH
 - f. Journal of Indian Librarianship

27. Faculty recharging strategies (Refresher / orientation programs, workshops; training programs and similar programs).

- Attending Refresher courses, Workshops, Seminars, Symposiums and Conferences
- Encouraging presentations and publication of scientific papers.

28. Student projects – Nil

- ➔ Percentage of students who have taken up in-house projects including inter-departmental projects : Nil
- ➔ Percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

Faculty : Dr. R. Rama Raj Urs, Director, Prof. & Head, Health Science Library & Information Studies, SDUAHER.

1. Gold Medal from Bangalore University for securing Distinction and First Rank in MLISc. (1989)
2. State Award by the Government of Karnataka, Directorate of Youth Services for having obtained highest percentage of marks in MLISc (1989)
3. Best Librarian State Award from Karnataka State Library Association (2013)
4. International Leadership Medal Award, Lions Clubs International (2011-12)
5. State Award by the Government of Karnataka, Directorate of Youth Services for having obtained highest percentage of marks in MLISc (1989)

30. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Seminars / Conferences / Workshops organized by Dr. R. Rama Raj Urs, Director, Prof. & Head, Health Science Library & Information Studies, SDUAHER

- Organized the National Conference of MLAI-94 (Medical Library Association of India 1994) as organizing secretary at KMIO Bangalore December, 1994.
- Organized National Seminar on “Professional Standards & Quality Improvement in Health Science Libraries” 26.10.2005 at RGUHS, Bangalore.
- Organized Meeting of Collaborative Research and Development Initiatives of RGUHS and The Commonwealth Association for Mental Handicap & Development Disabilities (CAMHADD) at RGUHS, Bangalore January 20, 2006.

- Organized User convention on HELINET resources, access and services and launch of J-Gate of HELINET at RGUHS, Bangalore, September 4, 2006.
- Organized National Conference on “Theory Application in Nursing Practice” at RGUHS, Bangalore during February 16-17. 2008.
- Organized One Week HELINET Training and Continuing Education program for the Working Librarians of Medical, Dental, Pharmacy, Nursing, Physiotherapy, Ayurveda, Unani, Siddha, Homeopathy, Naturopathy and Yogic Sciences affiliated to RGUHS at RGUHS, Bangalore during September 22-30, 2009.

31. **Code of ethics for research followed by the departments – ICMR**

32. **Student profile program-wise:** Nil

33. **Diversity of students -** Started afresh

Name of Program (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the state	% of students from other countries

34. **How many students have cleared, Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise : Nil**

35. Student progression Started afresh

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D	
Ph.D to Post-Doctoral	
Employed ➔ Campus selection ➔ Other than campus recruitment	
Entrepreneurs	

36. Diversity of Staff :

Percentage of faculty who are graduates	
Of the same university	Nil
From other universities within the state	2
From universities from other states	--
From universities outside the country	1

37. Number of faculty who were awarded M.Phil, DM, Ch, Ph.D., D.Sc and D.Litt. during the assessment period –

M.Phil Awarded under the Guidance of Dr. R. Rama Raj Urs

Ramakrishna	2007	Current Trends in Automation of Serial Control System with A Provision for E-Journals
Kaviyarasi C	2007	A Study on The Status of Library Automation of Shimoga City College Libraries
Hanumathappa	2007	Growth and Development of Education for

		Medical Librarianship in India
S N Ravikumar	2008	User Behavior on web: A Case Study of P.G. Students of Bharathi Group of Institution, Bharathi Nagar, Mandya
V.B.Sreekantaiah	2008	User Behavior on web: A Case Study of P.G. Students of John Group of Institution, Bangalore.
V Anasuya	2008	University Engineering College Libraries in Telangana, Rayalaseema and Kousa Andhra Regions- A Survey with Special Reference to User Information Needs
Kalaivani C	2009	Information Technology (IT) Based Information Services in Management College Libraries Of Bangalore City- A Survey

38. Present details of departmental infrastructural facilities with regard to

- a) Library – well developed physical facilities with specific collection for the course 100 Books, 23 Journals and access to digital Library e-resources in the Central Library attached to the teaching department.
- b) Internet facilities for staff and students –Desktop and laptops with internet facility - Yes
- c) Total number of class rooms - 02
- d) Class rooms with ICT facility and ‘smart’ class rooms – 2
Director cum Prof. & Head Chamber - 1
Office room - 1
Board room - 1
- e) Students laboratories – 1 Library and Information Centre
- f) Research laboratories – 1 Digital Library

39. List of doctoral, post-doctoral students and Research Associates-

- a) From the host institution / university - Nil
- b) From other institutions / universities - 3

40. Number of post graduate students getting financial assistance from the university - Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology

- a. The need and purpose of the proposal of Instituting the new PG Programme of M.Sc Health Science Library and information Studies was initiated at the departmental level in the well-structured established start-of-the art Library and information centre at the University of SDUAHER.
- b. Administrative approval from the Board of Management of University was obtained. Permission was granted the draft curriculum and workout the details.
- c. The inadequate man power who are professionally qualified, competent and well versed to manage the Health Science Libraries has made us to strongly think for the new course to be started for producing professionals with advanced knowledge and training in the discipline of health science library and information studies.
- d. This course is unique in its kind with the confluence of 3 independent disciplines of Health Science, Library & Information Science and Computer Science. This is a specialized M.Sc.program being introduced in Health science librarianship, which is the first of its in the country.
- e. The eligibility criteria shall be any graduates from Life Science, Pure Science, Applied Science or Social Science. The provision

of deputation for working librarians and information professionals to undergo the course is also made.

- f. This course will be having huge potential and new employment opportunities in the Health Science Libraries & Information Centres at Health Universities, National Institutes like ICMR, AIIMS, JIPMER, PGI, SGPGI, NIN, NICD, NICED, NIV, IDRC, NIHFW, NIMHANS, Medical Colleges, Dental Colleges, Pharmacy Colleges, Physiotherapy Colleges, AYUSH Colleges, Pharmaceutical Industries, R & D Organisations, Hospitals and health care industrial sector in the country as well as outside the country.
- g. The proposal with the above brain stormed objectives allowing with well-structured curriculum developed by expert committee for M.Sc Health Science Library & Information Studies (M.H.S.L&IS) course was placed in the University library Committee, Board of studies and subsequently placed before the Academic Council of the University. After all the discussions and deliberations, it was resolved in the Academic Council to approve the M.Sc Health Science Library & Information Studies (M.H.S.L&IS) course to be instituted at SDUAHER from the Academic year 2015-16. The same was placed before the BOM for approval to commence the course from 2015-16.

42. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ?

- c. Alumni and employers on the programs offered and how does the department utilize the feedback?

All this will be followed and executed once the new program is instituted in the month of August 2015 for the academic year 2015-

16

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.- Awaiting

45. List the teaching methods adopted by the faculty for different programs including clinical teaching

- a. Lectures
- b. Practical's
- c. Hands on training
- d. Seminars
- e. Journal Club
- f. Group discussion
- g. Interactive sessions

Media: LCD Projector, OHP & White board with Marker.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Performance assessment in the form of assignments, tests, Practicals, Journal club and monitoring of logbooks followed by examinations

47. Highlights of the participation of students and faculty in extension activities

Students will be participating in various co-curricular and extra-curricular activities occurring in the University

48. Give details of “beyond syllabus scholarly activities” of the department

Encouraging the students to write scientific papers and present in the seminars and conferences

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: Applied for accreditation

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied

Utilizing the research output from the dissertations produced and conference proceedings generated to create new knowledge and its applications in the improvement of library services to health care professionals.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weaknesses	Opportunities	Challenges
Well qualified knowledgeable and competent faculty	Awareness about the dept. and the program is not there. Hence, Enrolment is marginal	There is enough potential and scope for employment in the Health Sciences Academic Institutions / Health care hospitals and industries / pharmaceutical industries / R & D organizations.	Popularize the program in the initial years in the community as well as health science institutions and organizations.
Good infrastructure facilities in terms of resources physical facilities and technology made available in the library and information center.			

52. Future plans of the department

To establish full-fledged teaching department and introduce M.Phil and Ph.D programs in the Health Science Library and Information studies.

Evaluative report of the Department of Integrative Medicine

1. **Name of the Department** : Department of Integrative Medicine
2. **Year of establishment** : 2014
3. **Is the Department part of a college/Faculty of the university?**
Yes
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**
A) PG Diploma
x) Post Graduate Diploma in Yoga Practice (PGDYP)
5. **Interdisciplinary programs and departments involved**
➔ The department of Integrative Medicine participates in Undergraduate and Postgraduate inter- departmental teaching
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Nil
7. **Details of programs discontinued, if any, with reasons** : Nil.
8. **Examination System** : Semester
9. **Participation of the department in the courses offered by other departments**

The Department regularly involves in the teaching of yoga practice for the student of Postgraduate course in physiology and for under graduate students of MBBS and B.Sc. Allied Health sciences. In addition, the department is involved in teaching of Yoga Practice for the students of B.Sc. Nursing and GNM.

**10. Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

Designation	Sanctioned	Filled	Actual (including CAS & MPS)
Assistant Professor	1	1	---

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl.No	Name	Qualification	Designation	Specialization	No. of years of experience	No of PG student guided for the last four years
1.	Dr. Neetinakumar Patil	BAMS MD (Yoga and Rehab) M.Sc. (Psy)	Assistant Professor	Yoga Therapy, Holistic, healing	4 yrs	03

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

SL. No.	Name of the program	Batch & Semester	Total Number of students program wise	Number of teachers involved in teaching activity	Students Teacher - ratio
1	Post graduate diploma in Yoga Practice [PGDYP]	2014-15 batch (I Semester)	3	1	3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Sl. No.	Designation	Sanctioned	Filled	Actual
27)	Academic support staff	01	01	
28)	Administrative staff	00	00	

16. Research thrust areas as recognized by major funding agencies

- ➔ Musculoskeletal disorders (ICMR)
- ➔ Yoga, and Cognition (SATYAM - DST)
- ➔ Stress Management
- ➔ Integrative Diabetic Management
- ➔ Integration of Yoga in Medical and Nursing Curriculum

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

: Nil

18. Inter-institutional collaborative projects and associated grants received

kk) National collaboration : Nil

ll) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with

- ➔ State recognition : Nil
- ➔ National recognition : Nil
- ➔ International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

: Nil

22. Publications:

- ➔ Number of papers published in peer reviewed journals : 5
- ➔ National : 3
- ➔ International : 2
- ➔ Monographs : Nil
- ➔ Chapters in Books : Nil
- ➔ Books edited : Nil
- ➔ Books with ISBN with details of publishers : Nil
- ➔ Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)

23. Details of patents and income generated : Nil**24. Areas of consultancy and income generated**

Dept. of integrative Medicine provides free consultation to needy patients through Yoga and Ayurveda.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad : Nil**26. Faculty serving in**

- a) National committees : Nil
- b) International committees : Nil
- c) Editorial Boards : Nil
- d) any other (specify)

Reviewers for Pubmed Indexed, International Journals: Dr. Neetnakumar Patil

- i. Journal of Alternative and Complementary Medicine
- ii. Journal of Ayurveda & Integrative Medicine
- iii. Journal of Signs & the Symptoms

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- ➔ Department seminars, workshops and conferences
- ➔ CME, National and International Conferences and Seminars
- ➔ Inter-departmental seminar, workshops
- ➔ Faculty training in Medical Education through workshops conducted by the university

28. Student projects

- ➔ percentage of students who have taken up in-house projects including inter-departmental projects : 1
- ➔ percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post-doctoral fellows : Nil
- Students : Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- SAMANVAYA : Conference on alternative Medicine (September 2013) -attended by 200 participants
- Conference on 'Yoga for Promotion of Health' on the occasion of International Day of Yoga. (20th June 2015) – attended by 250 participants.

31. Code of ethics for research followed by the departments

Yes, as laid down by the Institutional and central ethical committee of the academy

32. Student profile program-wise : Nil

Name of the Program	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
PGDYP (batch 2014-15)	3	2	1	--	--

33. Diversity of students:

Name of the Program	% of students from other Universities within state	% of students from Universities outside the state	% of students from Universities outside the country
PGDYP (batch 2014-15)	4 (100)	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. :Nil**35. Student progression : Nil****36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	1
from universities from other States	Nil
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil**38. Present details of departmental infrastructural facilities with regard to**

- a) Library : Yes
- b) Internet facilities for staff and students : Available
- c) Total number of class rooms : 1 Class room and Yoga practice hall
- d) Class rooms with ICT facility and 'smart' class rooms : Yes
- e) Students' laboratories :Yes
- f) Research laboratories :Yes

39. List of doctoral, post-doctoral students and Research Associates

- a) From the host institution/university : Nil
- b) From other institutions/universities : Nil

40. Number of post graduate students getting financial assistance from the university.

Three

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs have been initiated

42. Does the department obtain feedback from
yy. Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?

Yes, feedback will be utilized to improve PG and UG teaching program

zz. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, feedback will be utilized to promote continuous improvement in view of recent advances. Curriculum updates are made on need basis.

aaa. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback will be utilized to promote & improve up the teaching

learning activities, curricular updates and quality patient care.

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Regular workshops/Seminars/CME are being held for enriching the skill and knowledge of students.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

The teachers assigned to each programme adapt following teaching methods in single or in combination to improve the students learning:

- ➔ Lecture
- ➔ Demonstration
- ➔ Tutorials
- ➔ Seminar
- ➔ Bed side case discussion
- ➔ Journal Club
- ➔ Case Presentation
- ➔ Group Discussion

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Regular student feedback and periodic internal assessment examinations are conducted.

47. Highlight the participation of students and faculty in extension activities.

- ➔ Students and faculty participate in Yoga awareness programs / workshop
- ➔ Students and faculty participate in International Day of Yoga
- ➔ Students and faculty participate in “Swachh Bharat Abhiyan”, NSS activities

→ Students and faculty participate in cultural and sports activities of the academy

48. Give details of “beyond syllabus scholarly activities” of the department.

The faculty and the students participate regularly in Camps, Exhibition and Awareness Programs organized by the university

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Integrative Medicine is need of the hour as patients them self-integrating several system of medicine and therapies to cope up for their chronic illness / lifestyle diseases. At present evidences are lacking in the integrative medicine and they are hardly few Universities working towards the same in India. SDUAHER is the first University as for as our knowledge to introduce Yoga in Medical curriculum and Nursing education. Our research publication in chronic low back pain and Dengue had led new approach in treating the same.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Incorporation of Yoga in medical and nursing education
- Running Integrative Medicine clinic
- Initiation of research projects towards integrative Medicine

Weakness:

- ➔ To improve upon the outpatients and inpatient registry.

Opportunity:

- ➔ Research in various fields Integrative Medicine (Diabetes, Chronic Low back pain, Hypertension and pregnancy)
- ➔ Start of new course in the field of Integrative Medicine

Challenges:

- ➔ Bringing awareness about need of Integrative Medicine for patients
- ➔ Support from the clinical departments

52. Future plans of the department.

- ➔ To establish a centre of excellence in Integrative Medicine



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

Comprising Sri Devaraj Urs Medical College

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A DEEMED TO BE UNIVERSITY

(Declared Under Section 3 of UGC Act 1956, MHRD GOI No. F.9-36/2006-U.3 (A), Dt. 25th May 2007)

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E-mail : registrar@sduu.ac.in/office@sduu.ac.in. Web : www.sduu.ac.in