

पेटेंट कार्यालय  
शासकीय जर्नल

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01<sup>st</sup> January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**( PROF. (DR) UNNAT P. PANDIT )  
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

**30<sup>th</sup> May, 2025**

(54) Title of the invention : SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION USING QR CODE: SMART CODE

(51) International classification :A61B0005110000, A61H0001020000, G06K0019060000, G16H0040670000, G16H0010600000

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(71)Name of Applicant :  
**1)Sri Devaraj Urs Academy of Higher Education and Research**  
 Address of Applicant :Sri Devaraj Urs Academy of Higher Education and Research, Kolar – 563101, Karnataka, India. Kolar -----

Name of Applicant : NA  
 Address of Applicant : NA

(72)Name of Inventor :  
**1)Saniksha Sudhir Revandikar**  
 Address of Applicant :Assistant Professor, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India. Kolar -----

**2)Dr. Anjali Suresh**  
 Address of Applicant :Professor, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India.. Kolar -----

**3)Dr. Senthil Kumar E**  
 Address of Applicant :Professor and Head of Department, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India. Kolar -----

(57) Abstract :  
 ABSTRACT SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION USING QR CODE: SMART CODE The present invention relates to a digital healthcare system designed to enhance the accessibility, efficiency, and security of remote rehabilitation services through a Quick Response (QR) code-based interface. The SMART Code system enables patients to seamlessly join teleconsultation sessions by scanning an encrypted QR code linked to a secure videoconferencing platform. Upon scanning, if the assigned physiotherapist is available, the session begins immediately. If unavailable, an automated notification is triggered, alerting the physiotherapist via email to join the session promptly. The system supports real-time session initiation, safeguards patient data through encrypted access, and is optimized for ease of use by individuals with varying levels of technological proficiency. This innovation significantly reduces administrative burden, ensures continuity of care, and expands access to tele-rehabilitation, particularly for individuals in remote or underserved areas.

No. of Pages : 18 No. of Claims : 8



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Ministry of Commerce & Industry,  
Government of India

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### Application Details

APPLICATION NUMBER	202541044082
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/05/2025
APPLICANT NAME	<b>Sri Devaraj Urs Academy of Higher Education and Research</b>
TITLE OF INVENTION	SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION USING QR CODE: SMART CODE
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	biopatents@allinnov.org
ADDITIONAL-EMAIL (As Per Record)	allinnovrnd@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/05/2025

**FORM 1**  
**THE PATENTS ACT, 1970**  
**(39 of 1970)**  
**&**  
**THE PATENTS RULES, 2003**  
**APPLICATION FOR GRANT OF PATENT**  
**[See sections 7,54 & 135 and rule 20(1)]**

**(FOR OFFICE USE ONLY)**

Application No.: .....

Filing Date: .....

Amount of Fee Paid: .....

CBR No.: .....

Signature: .....

**1. APPLICANT(S):**

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Sri Devaraj Urs Academy of Higher Education and Research	India	Sri Devaraj Urs Academy of Higher Education and Research, Kolar – 563101, Karnataka, India.	India	Karnataka	Kolar	Kolar

**2. INVENTOR(S):**

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Saniksha Sudhir Revandikar	India	Assistant Professor, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India.	India	Karnataka	Kolar	Kolar
2	Dr. Anjali Suresh	India	Professor, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India..	India	Karnataka	Kolar	Kolar
3	Dr. Senthil Kumar E	India	Professor and Head of Department, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs	India	Karnataka	Kolar	Kolar

		Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India.			
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**3. TITLE OF THE INVENTION: SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION USING QR CODE: SMART CODE**

**4. ADDRESS FOR CORRESPONDENCE OF APPLICANT /  
AUTHORISED PATENT AGENT IN INDIA:**

Allinnov Research and Development Private Limited, #360A,  
First Floor, Building 1, Senthur Murugan Kovil Street, Opp. SM  
Mahal, Oldpet, Krishnagiri - 635001, Tamil Nadu, India.

Telephone No.:

Fax No.:

Mobile No: 8069496188

E-mail: biopatents@allinnov.org

**5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:**

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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**6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:**

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

**7. PARTICULARS FOR FILING DIVISIONAL APPLICATION**

Original (first) Application Number	Date of Filing of Original (first) Application
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**8. PARTICULARS FOR FILING PATENT OF ADDITION:**

Main Application / Patent Number:	Date of Filing of Main Application
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**9. DECLARATIONS:**

**(i) Declaration by the inventor(s)**

I/We ,Saniksha Sudhir Revandikar,Dr. Anjali Suresh,Dr. Senthil Kumar E, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s): .....

(c) Name(s): Saniksha Sudhir Revandikar,Dr. Anjali Suresh,Dr. Senthil Kumar E

**(ii) Declaration by the applicant(s) in the convention country**

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) : .....

(c) Name(s) of the singnatory: Sri Devaraj Urs Academy of Higher Education and Research

**(iii) Declaration by the applicant(s)**

- **The Complete specification relating to the invention is filed with this application.**
- **I am/We are, in the possession of the above mentioned invention.**
- **There is no lawful ground of objection to the grant of the Patent to me/us.**
- **I am/We are, the assignee or legal representative to true first inventors.**

**10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:**

Sr.	Document Description	FileName
-----	----------------------	----------

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature: .....

Name: Madhu Smita

To The Controller of Patents

The Patent office at CHENNAI

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**FORM 2**

THE PATENTS ACT, 1970

(39 of 1970)

&

The Patent Rules, 2003

**COMPLETE SPECIFICATION**

(See sections 100 & rule 103)

**1. TITLE OF THE INVENTION**

**SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION  
USING QR CODE: SMART CODE**

**2. APPLICANTS (S)**

<b>NAME(S)</b>	<b>NATION ALITY</b>	<b>ADDRESS</b>
Sri Devaraj Urs Academy of Higher Education and Research	Indian	Sri Devaraj Urs Academy of Higher Education and Research, Kolar – 563101, Karnataka, India.

**3. PREAMBLE TO THE DESCRIPTION**

**COMPLETE SPECIFICATION**

The following description particularly describes the invention and the method in which it has to be performed.

**SPECIALISED MONITORING AND REHABILITATION THROUGH  
TELECONSULTATION USING QR CODE: SMART CODE**

**TECHNICAL FIELD**

[0001]. The invention relates to the field of digital healthcare and telemedicine  
5 and specifically to a smart code a QR-based system for secure and accessible  
teleconsultation in rehabilitation services.

**BACKGROUND**

[0002]. The field of rehabilitation has witnessed significant transformation  
with the integration of digital health technologies, particularly through the  
10 adoption of teleconsultation methods. Tele-rehabilitation enables healthcare  
professionals, especially physiotherapists, to deliver care remotely using  
internet-enabled devices, thereby overcoming geographical, physical, and  
logistical barriers commonly faced by patients. This model has proven  
essential not only for improving patient access but also for maintaining  
15 continuity of care in post-operative recovery, chronic illness management, and  
long-term physical therapy.

[0003]. With the proliferation of smartphones and internet connectivity,  
teleconsultation has become increasingly feasible. However, despite these  
advancements, current systems are often fragmented, complex, and lack  
20 intuitive user interfaces. Patients are typically required to navigate multiple  
steps to access virtual consultations—such as logging into portals,

downloading specific applications, or manually entering meeting links—which can create confusion and increase the likelihood of missed appointments, especially among the elderly and technologically challenged individuals.

5 [0004]. Moreover, current systems lack efficient mechanisms to address the common problem of session coordination. When patients attempt to join a session and the healthcare provider has not yet arrived, there is often no automatic system in place to alert the provider, leading to missed or delayed consultations. These inefficiencies can result in poor user experiences,  
10 reduced patient adherence, and suboptimal clinical outcomes.

[0005]. In response to these challenges, there is a growing need for a more streamlined, accessible, and secure approach to teleconsultation—particularly one that can be easily adopted in rehabilitation contexts. The proposed SMART Code system introduces a novel solution by utilizing QR codes as a  
15 single-point access mechanism for initiating and managing teleconsultation sessions. The QR code, when scanned by the patient using any digital device, instantly connects them to a secure videoconferencing platform without the need for complex navigation. If the physiotherapist is not yet present, an automated email notification is triggered, ensuring the provider is informed in  
20 real-time.

[0006]. This innovation not only simplifies the teleconsultation process for patients but also reduces administrative burden for healthcare providers. It

enhances efficiency, increases session reliability, and strengthens the security of sensitive health information through encrypted QR codes. The SMART Code system is designed to be scalable across various healthcare environments—ranging from individual practices to large rehabilitation centers—and can significantly improve the accessibility and quality of remote rehabilitation services.

## **SUMMARY**

[0007]. In one aspect of the present disclosure, a system for facilitating secure and user-friendly access to teleconsultation for rehabilitation services comprising a Quick Response (QR) code generated and embedded with a personalized videoconferencing link a scanning mechanism enabling patients to initiate teleconsultation by scanning said QR code an automated notification module configured to send alerts to physiotherapists if they have not yet joined the session upon a patient attempting to access the consultation. wherein the session begins immediately upon physiotherapist availability or upon their receipt and response to the automated alert. a tracking mechanism to monitor session initiation time, physiotherapist response time, and patient participation data.

[0008]. In some aspects of the present disclosure, the QR code is encrypted to ensure secure access and to prevent unauthorized entry to the teleconsultation session.

[0009]. In some aspects of the present disclosure, the automated notification is delivered via email and is triggered in real-time when a patient attempts to access the session, and the physiotherapist is absent.

5 [0010]. In some aspects of the present disclosure, the platform is configured with a user-friendly interface to accommodate users with varying levels of technological proficiency.

[0011]. In some aspects of the present disclosure, the platform is scalable and adaptable across different healthcare institutions including hospitals, clinics, and community-based rehabilitation centers.

10 [0012]. In some aspects of the present disclosure, said QR code may be shared across multiple communication platforms to facilitate broader access to teleconsultation services.

[0013]. In some aspects of the present disclosure, the platform is designed for use by patients with limited mobility, elderly individuals, and users in remote  
15 or underserved locations.

[0014]. In some aspects of the present disclosure, a method for providing remote rehabilitation services comprising the steps of a generating a QR code embedded with a unique videoconferencing link distributing said QR code to a patient scanning of the QR code by the patient using a digital device  
20 initiating the teleconsultation session if the physiotherapist is present sending an automated email notification to the physiotherapist if not present, thereby prompting timely engagement commencing the session upon the

physiotherapist's entry. logging each session attempt and response to enhance tracking, auditability, and care continuity.

## **BRIEF DESCRIPTION OF DRAWINGS**

[0015]. The above and still further features and advantages of aspects of the present disclosure become apparent upon consideration of the following detailed description of aspects thereof, especially when taken in conjunction with the accompanying drawings, and wherein:

[0016]. Figure 1 is a pathway for easy and secure access to E- rehabilitation using quick response code, in accordance with an aspect of the present disclosure;

## **DETAILED DESCRIPTION**

[0017]. The following description provides specific details of certain aspects of the disclosure illustrated in the drawings to provide a thorough understanding of those aspects. It should be recognized, however, that the present disclosure can be reflected in additional aspects and the disclosure may be practiced without some of the details in the following description.

[0018]. The various aspects including the example aspects are now described more fully with reference to the accompanying drawings, in which the various aspects of the disclosure are shown. The disclosure may, however, be embodied in different forms and should not be construed as limited to the aspects set forth herein. Rather, these aspects are provided so that this

disclosure is thorough and complete, and fully conveys the scope of the disclosure to those skilled in the art. In the drawings, the sizes of components may be exaggerated for clarity.

[0019]. It is understood that when an element or layer is referred to as being  
5 “on,” “connected to,” or “coupled to” another element or layer, it can be directly on, connected to, or coupled to the other element or layer or intervening elements or layers that may be present. As used herein, the term “and/or” includes any and all combinations of one or more of the associated listed items.

10 [0020]. The subject matter of example aspects, as disclosed herein, is described with specificity to meet statutory requirements. However, the description itself is not intended to limit the scope of this patent. Rather, the inventor/inventors have contemplated that the claimed subject matter might also be embodied in other ways, to include different features or combinations  
15 of features similar to the ones described in this document, in conjunction with other technologies.

[0021]. The present invention relates to a digital healthcare system designed to enhance the accessibility, efficiency, and security of remote rehabilitation services through a Quick Response (QR) code-based interface. The SMART  
20 Code system enables patients to seamlessly join teleconsultation sessions by scanning an encrypted QR code linked to a secure videoconferencing platform. Upon scanning, if the assigned physiotherapist is available, the

session begins immediately. If unavailable, an automated notification is triggered, alerting the physiotherapist via email to join the session promptly. The system supports real-time session initiation, safeguards patient data through encrypted access, and is optimized for ease of use by individuals with varying levels of technological proficiency. This innovation significantly reduces administrative burden, ensures continuity of care, and expands access to tele-rehabilitation, particularly for individuals in remote or underserved areas.

[0022]. In recent years, teleconsultation has emerged as a transformative approach in the healthcare sector, particularly in the field of rehabilitation. By leveraging digital tools such as video conferencing, mobile applications, wearable technology, and virtual reality, teleconsultation has made rehabilitation services more accessible and patient centric. This innovation is especially beneficial for individuals with mobility issues, those living in remote areas, and elderly patients who may face challenges in visiting healthcare facilities.

[0023]. Despite these advancements, existing tele-rehabilitation systems still face several limitations. A major challenge lies in ensuring secure and easy access to online consultation sessions. Many patients, particularly the elderly or those with limited technological proficiency, struggle with navigating complex digital platforms. Furthermore, delays in session initiation due to

missed notifications or manual coordination between patients and physiotherapists can hinder the continuity of care.

5 [0024]. There is a pressing need for a simplified, secure, and automated system that bridges these gaps—offering a user-friendly interface for patients and an efficient notification mechanism for healthcare providers. The present invention addresses these needs by introducing a Quick Response (QR) code-based system that facilitates seamless, real-time access to teleconsultation sessions. By integrating automated alerts and encrypted links, the SMART Code system enhances both patient experience and operational efficiency in  
10 tele-rehabilitation.

[0025]. The present invention discloses a novel system and method titled SMART Code, aimed at simplifying and securing access to teleconsultation services in the domain of rehabilitation. The core concept involves the generation and use of encrypted Quick Response (QR) codes that link directly  
15 to online consultation sessions, enabling patients to join virtual appointments with minimal effort and without the need for navigating complex software platforms.

[0026]. At the heart of the invention is a QR code generation module, which creates unique, session-specific QR codes. These QR codes are embedded  
20 with secure videoconferencing links, generated dynamically for each consultation. Once created, these QR codes can be shared with patients through email, printed documents, or messaging applications. Each QR code

is associated with a specific consultation session and can be set to expire or become inactive after the session ends, thereby enhancing security and preventing unauthorized reuse.

[0027]. Patients, upon receiving the QR code, can scan it using any mobile  
5 device equipped with a camera. Scanning the code automatically redirects them to the corresponding video consultation platform—no manual entry of URLs or application downloads are required. This eliminates many of the barriers typically faced by patients, particularly the elderly or those unfamiliar with digital tools.

10 [0028]. Upon access, the system performs a real-time check of the physiotherapist's status. If the physiotherapist is online and present in the session, the video consultation begins immediately. If the physiotherapist has not yet joined the session, an automated notification system is triggered. This system sends a predefined alert, typically via email or an in-app notification,  
15 to inform the physiotherapist that the patient has arrived and is waiting. This feature ensures that missed appointments and unnecessary wait times are minimized, improving the overall patient experience and preserving the continuity of care.

[0029]. The platform also maintains a session management system that tracks  
20 various metrics such as time of scan, session start time, duration, and participant attendance. These logs may be stored in a secure backend for auditing purposes, analytics, and compliance with health data standards. The

SMART Code system may optionally integrate with electronic health record (EHR) systems to ensure seamless documentation of consultation records, enhancing clinical workflow and patient monitoring.

5 [0030]. Security is a central aspect of the invention. The QR codes are encrypted using standard or custom cryptographic algorithms to prevent tampering or misuse. Additionally, access via QR code can be restricted through two-factor authentication (2FA) or by linking each code to a patient-specific ID, adding another layer of security to prevent unauthorized access. These features ensure that patient privacy is protected in compliance with  
10 regulatory standards such as HIPAA (Health Insurance Portability and Accountability Act) or GDPR (General Data Protection Regulation).

[0031]. The system is built to be device-agnostic and compatible with multiple videoconferencing platforms such as Zoom, Microsoft Teams, Google Meet, or custom healthcare video platforms. It is also highly configurable, allowing  
15 healthcare providers to set consultation durations, enable or disable auto-notifications, and customize user interfaces to reflect their institutional branding.

[0032]. From a usability standpoint, the SMART Code platform is designed with accessibility in mind. Large fonts, voice instructions, and simple tap-to-  
20 join interfaces ensure that even users with limited dexterity or visual impairments can participate in teleconsultation sessions without external

assistance. The platform can also support caregivers or family members who assist patients in accessing their sessions.

5 [0033]. The invention is particularly advantageous in scenarios where patients may not have consistent access to hospital-based rehabilitation services, such as in rural, disaster-struck, or mobility-restricted environments. It reduces administrative workload for healthcare providers by automating session logistics and notifications, thus allowing them to dedicate more time to patient interaction and treatment planning.

10 [0034]. In essence, the SMART Code system represents an intelligent, inclusive, and secure telehealth solution tailored for rehabilitation. It bridges the gap between technology and accessibility by integrating QR code simplicity with automated session coordination and real-time interaction, thereby transforming how physiotherapy and other rehabilitation services are delivered remotely.

15 [0035]. The SMART Code system offers a transformative approach to delivering remote rehabilitation services by combining the simplicity of QR code technology with the power of automated teleconsultation management. By enabling patients to access secure, real-time teleconsultations through a single scan, and by automatically notifying physiotherapists when patients are  
20 ready to connect, the invention addresses critical gaps in accessibility, efficiency, and user experience within the telehealth domain.

[0036]. This system is particularly beneficial for patients with limited mobility, those in remote locations, and individuals with minimal digital literacy. It enhances continuity of care, reduces administrative burdens, and ensures secure and reliable communication between patients and healthcare providers. The SMART Code platform is scalable, adaptable, and compatible with a variety of healthcare settings and telehealth infrastructures, making it a versatile solution for modern rehabilitation practices.

[0037]. In summary, the invention represents a significant advancement in digital healthcare, streamlining the delivery of rehabilitation services while maintaining high standards of privacy, usability, and responsiveness.

**##### DIGITALLY SIGNED#####  
MADHU SMITA (IN/PA-3454) and  
PREM CHARLES I (IN/PA – 3311)  
Registered Patent Agents on behalf of the Applicant(s)**

**Claims:**

**I/We Claim:**

1. A system for facilitating secure and user-friendly access to teleconsultation for rehabilitation services comprising:
  - 5 a) a Quick Response (QR) code generated and embedded with a personalized videoconferencing link;
  - b) a scanning mechanism enabling patients to initiate teleconsultation by scanning said QR code;
  - c) an automated notification module configured to send alerts to  
10 physiotherapists if they have not yet joined the session upon a patient attempting to access the consultation;
  - d) wherein the session begins immediately upon physiotherapist availability or upon their receipt and response to the automated alert.
  - e) a tracking mechanism to monitor session initiation time,  
15 physiotherapist response time, and patient participation data.
2. The system as claimed in claim 1, wherein the QR code is encrypted to ensure secure access and to prevent unauthorized entry to the teleconsultation session.
3. The system as claimed in claim 1, wherein the automated notification is  
20 delivered via email and is triggered in real-time when a patient attempts to access the session and the physiotherapist is absent.

4. The system as claimed in claim 1, wherein the platform is configured with a user-friendly interface to accommodate users with varying levels of technological proficiency.
- 5 5. The system as claimed in claim 1, wherein the platform is scalable and adaptable across different healthcare institutions including hospitals, clinics, and community-based rehabilitation centers.
6. The system as claimed in claim 1, wherein said QR code may be shared across multiple communication platforms to facilitate broader access to teleconsultation services.
- 10 7. The system as claimed in claim 1, wherein the platform is designed for use by patients with limited mobility, elderly individuals, and users in remote or underserved locations.
8. A method for providing remote rehabilitation services comprising the steps of:
  - 15 a) generating a QR code embedded with a unique videoconferencing link;
  - b) distributing said QR code to a patient;
  - c) scanning of the QR code by the patient using a digital device;
  - d) initiating the teleconsultation session if the physiotherapist is present;
  - 20 e) sending an automated email notification to the physiotherapist if not present, thereby prompting timely engagement;
  - f) commencing the session upon the physiotherapist's entry.

g) logging each session attempt and response to enhance tracking, auditability, and care continuity.

**Dated this** May 07, 2025

5

**##### DIGITALLY SIGNED#####  
MADHU SMITA (IN/PA-3454) and  
PREM CHARLES I (IN/PA – 3311)  
Registered Patent Agents on behalf of the Applicant(s)**

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## ABSTRACT

### **SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION USING QR CODE: SMART CODE**

The present invention relates to a digital healthcare system designed to enhance the  
5 accessibility, efficiency, and security of remote rehabilitation services through a  
Quick Response (QR) code-based interface. The SMART Code system enables  
patients to seamlessly join teleconsultation sessions by scanning an encrypted QR  
code linked to a secure videoconferencing platform. Upon scanning, if the assigned  
10 physiotherapist is available, the session begins immediately. If unavailable, an  
automated notification is triggered, alerting the physiotherapist via email to join the  
session promptly. The system supports real-time session initiation, safeguards patient  
data through encrypted access, and is optimized for ease of use by individuals with  
varying levels of technological proficiency. This innovation significantly reduces  
15 administrative burden, ensures continuity of care, and expands access to tele-  
rehabilitation, particularly for individuals in remote or underserved areas.

20

**##### DIGITALLY SIGNED#####  
MADHU SMITA (IN/PA-3454) and  
PREM CHARLES I (IN/PA – 3311)  
Registered Patent Agents on behalf of the Applicant(s)**

Applicant(s): Sri Devaraj Urs Academy of Higher Education and Research.

Sheet: 1 of 1

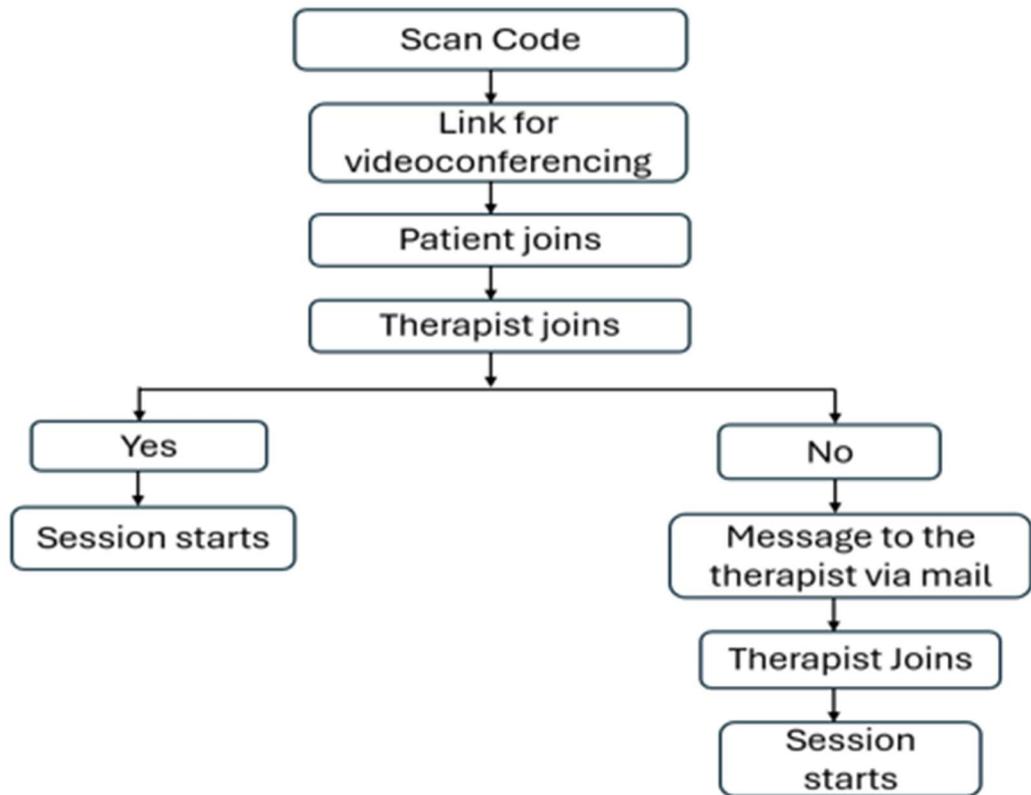


Figure 1

##### DIGITALLY SIGNED#####  
MADHU SMITA (IN/PA-3454) and  
PREM CHARLES I (IN/PA – 3311)  
Registered Patent Agents on behalf of the Applicant(s)

# FORM 3

THE PATENT ACT, 1970  
(39 of 1970)

AND

THE PATENTS RULES, 2003

## STATEMENT AND UNDERTAKING UNDER SECTION 8

[(See section 8; Rule 12)]

1. Name of the applicant(s).	I/We <b>Sri Devaraj Urs Academy of Higher Education and Research, Sri Devaraj Urs Academy of Higher Education and Research, Kolar – 563101, Karnataka, India.</b> , Applicant Type - EI , hereby declare:				
2. Name, address and nationality of the joint applicant.	(i) that I/We who have made the application for patent number <b>202541044082</b> in India, dated <b>07/05/2025 08:01:03.</b> , alone / jointly with ....., (ii) that I/We have not made any application for the same/substantially the same invention outside India Or (iii) that I/We have made for the same/ substantially same invention, application(s) for patent in the other countries, the particulars of which are given below:				
Name of the country	Date of application	Application No.	Status of the application	Date of publication	Date of disposal
NA	NA	NA	NA	NA	NA
3. Name and address of the assignee	(i) that the rights in the application(s) filed in India has/have been assigned to <b>None. Rights remained with the Applicant.</b> (ii) that I/We undertake that upto the date of grant of the patent by the Controller, I/We would keep him informed in writing regarding the details of corresponding applications for patents filed outside India in accordance with the provisions contained in section 8 and rule 12. Dated this <b>7<sup>th</sup></b> day of <b>May 2025</b>				
4. To be signed by the applicant or his authorized registered patent agent.	Signature(s) .....				
5. Name of the natural person who has signed.	.....				
	To The Controller of Patents, The Patent Office, at <b>New Delhi</b>				
<b>Note:</b> ” Strike out whichever is not applicable; ”					

This form is electronically generated.

## FORM 5

THE PATENT ACT, 1970  
(39 of 1970)  
&  
THE PATENTS RULES, 2003

### DECLARATION AS TO INVENTORSHIP

[See section 10(6) and rule 13(6)]

**1. NAME OF APPLICANT(S)** Sri Devaraj Urs Academy of Higher Education and Research,

hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification filed in pursuance of my/our application numbered **202541044082** dated **07/05/2025** is/are

### 2. INVENTOR(S)

Name	Country	Nationality	Address
Saniksha Sudhir Revandikar	India	India	Assistant Professor, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India.
Dr. Anjali Suresh	India	India	Professor, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India..
Dr. Senthil Kumar E	India	India	Professor and Head of Department, R. L. Jalappa College of Physiotherapy, Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar – 563101, Karnataka, India.

Dated this. **07/05/2025** Day of **2025**

Signature

Name of the signatory

### 3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT(S) IN THE CONVENTION COUNTRY:--

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s).

Dated this. **07/05/2025**. Day of **2025**

Signature

Name of the signatory

### 4. STATEMENT (to be signed by the additional inventor(s) not mentioned in the application form)

I/We assent to the invention referred to in the above declaration, being included in the complete specification filed in pursuance of the stated application.

Dated this(Final Payment Date):-----

Signature

Name of the signatory

This form is electronically generated.

**FORM 28**  
**THE PATENT ACT, 1970**  
**(39 OF 1970 )**  
**&**  
**The Patents Rules, 2003**  
**TO BE SUBMITTED BY SMALL ENTITY /STARTUP/EDUCATIONAL**  
**INSTITUTION**  
**[See rules 2 (fa), 2(fb), 2(ca) and 7]**

We, **SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH,**  
an **INDIAN EDUCATIONAL INSTITUTION** recognised by **UNIVERSITY GRANTS**  
**COMMISSION**, the applicant in respect of the patent application no **2025410** \_\_\_\_\_ hereby  
declare that we are an educational institution in accordance with rule 2(ca) and submit the  
following document(s) as proof:

i) Notification of May 25<sup>th</sup>, 2007 issued by UGC and MHRD.

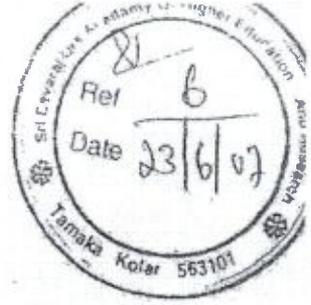
The information provided herein is correct to the best of our knowledge and belief.

Dated this 7<sup>th</sup> Day of May, 2025

SIGNATURE:

**##### DIGITALLY SIGNED#####**  
**MADHU SMITA (IN/PA-3454) and**  
**PREM CHARLES I (IN/PA – 3311)**  
**Registered Patent Agents on behalf of the Applicant(s)**

To,  
The Controller of Patents,  
The Patent Office, at Chennai



UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110002

विश्वविद्यालय अनुदान आयोग  
बहादुर शाह जफर मार्ग  
नई दिल्ली - 110 002

No.F.8-24/2006 (CPP-1)

June, 2007

20 JUN 2007

## NOTIFICATION

In exercise of the powers conferred by Section 3 of the University Grants Commission Act, 1956, the Central Government on the recommendation of the Commission has declared Sri Devraj Urs Academy of Higher Education and Research, Tamaka, Kolar, Karnataka, comprising Sri Devraj Urs Medical College, Tamaka, Kolar, Karnataka, as a 'Deemed to be University' for the purpose of the aforesaid Act, from the date of disaffiliation of 'Sri Devraj Urs Medical College', Tamaka, Kolar, Karnataka, from Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka.

2. This declaration is subject to the conditions mentioned at S.No.2 of the endorsement of this notification.

3. The Ministry of Human Resource Development or the University Grants Commission will not provide any Plan and Non-Plan grants to Sri Devraj Urs Academy of Higher Education and Research or any of its constituent institutions.

( Urmil Gulati )  
Under Secretary

Copy forwarded to :-

1. The Vice-Chancellor, Rajiv Gandhi University of Health Sciences, 4<sup>th</sup> T Block, Jayanagar, Bangalore-560 041, Karnataka

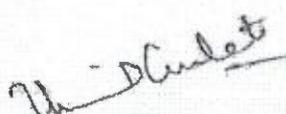
Chairman, Sri Devraj Urs Academy of Higher Education and Research, Tamaka, Kolar-563101, Karnataka. The declaration made in para 1 of this notification relating to conferment of status of deemed-to-be-university will be subject to the following conditions:-

- (a) The 'Deemed-to-be-University' shall finalise its Memorandum of Association (MoA) and Rules immediately in conformity with the University Grants Commission's Model MoA and Rules for the Deemed to be Universities and get it approved by the UGC.
- (b) The management of Sri Devraj Urs Medical College, Tamaka should legally vest with Sri Devraj Urs Academy of Higher Education and Research.
- (c) The moveable as well as immovable assets, including that of Sri Devraj Urs Medical College should be legally transferred in the name of the Trust formed for management of the deemed-to-be-university institution through a valid deed registered under the Indian Registration Act, in the interest of future of students, members of faculty, employees and for maintaining the standards of higher education.
- (d) The deemed-to-be-university institution or its constituent unit shall <sup>not</sup> offer any course/programme that has not been approved by the Ministry of Health and Family Welfare or other relevant Ministries and/or the relevant Statutory Councils such as Medical Council of India, etc.
- (e) The deemed-to-be-university institution or its constituent unit shall not offer/award, as the case may be, any degrees that are not specified by the UGC. The deemed-to-be-university institution will continue to ensure that the nomenclature of the degrees awarded by it are specified by the UGC under Section 22 of the UGC Act, 1956.
- (f) The deemed-to-be-university institution shall award degrees to only those students who are admitted/enrolled with it or its constituent unit subsequent to the date of this notification.
- (g) As for those students who are already enrolled with the institution concerned prior to the date of this notification, they shall continue to be enrolled with the present affiliation university, namely, Rajiv Gandhi University of Health Sciences, Bangalore, which shall have to agree to examine and grant degrees to them on successful completion of the courses/ programmes they are pursuing at present in the teaching institutions of the deemed-to-be-university institution.
- (h) The deemed-to-be-university institution shall regularly obtain the requisite 'renewal' of approval / permission of Ministry of Health and Family Welfare and other relevant Statutory Councils, as the case may be, well within the prescribed time limit, in respect of the courses offered, intake capacity of students, etc.

- (i) The deemed-to-be-university institution and its constituent unit shall start/offer, as the case may be, the courses/programmes in accordance with the relevant prescribed norms and guidelines of the UGC and the relevant statutory professional regulatory Councils, such as Medical Council of India (MCI), Indian Nursing Council (INC), Dental Council of India (DCI), AICTE, etc.
- (j) The 'Deemed-to-be-University' as well as its constituent institutions shall strictly abide by all the norms and guidelines as laid down by the UGC and other Statutory Councils such as Medical Council of India, etc. from time to time, as are applicable to institutions notified as 'Deemed-to-be-Universities'.

The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi-110 001

4. The Principal Secretary (Higher Education), Education Department, Government of Karnataka, M.S. Building, 5<sup>th</sup> Floor, Bangalore-560 001
5. PS to Chairman, UGC, New Delhi
6. The Joint Secretary (NET) UGC, New Delhi
7. The Joint Secretary (DU), UGC, New Delhi
8. Secretary General, Association of Indian Universities, AIU House, 16 Kotla Marg, New Delhi-110 002
9. Member Secretary, AICTE, IG Sports Complex, I.P. Estate, New Delhi-110 002
10. All Regional Offices of UGC
11. Senior Statistical Officer, UGC, 35, Ferozeshah Road, New Delhi
12. All Sections in the UGC Office
13. Guard File

  
( Urmil Gulati )  
Under Secretary

( TO BE PUBLISHED IN THE GAZETTE OF INDIA PART-I, SECTION-1 )

1

No.F.9-36/2006-U.3(A)  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education

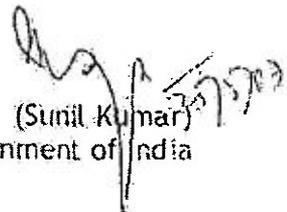
Shastri Bhawan, New Delhi,  
Dated the 25<sup>th</sup> May, 2007.

NOTIFICATION

In exercise of the powers conferred by Section 3 of the University Grants Commission (UGC) Act, 1956, the Central Government, on the advice of the University Grants Commission, hereby declare Sri Devaraj Urs Academy of Higher Education and Research, Tamaka, Kolar, Karnataka, comprising Sri Devaraj Urs Medical College, Tamaka, Kolar, Karnataka, as a 'Deemed-to-be-University' for the purposes of the aforesaid Act, from the date of disaffiliation of 'Sri Devaraj Urs Medical College', Tamaka, Kolar, Karnataka, from Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka.

This declaration is subject to the conditions mentioned at Sl. No. 5 of the endorsement of this notification.

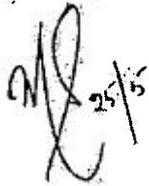
3. Government of India or the University Grants Commission will not provide any Plan or Non Plan grants to Sri Devaraj Urs Academy of Higher Education and Research or any of its constituent institutions.

  
(Sunil Kumar)  
Joint Secretary to the Government of India

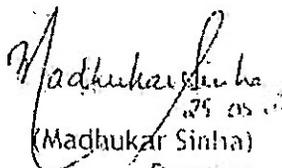
The Manager,  
Government of India Press,  
Faridabad (Haryana).

Copy to: -

1. The Secretary, University Grants Commission, Bahadurshah Zafar Marg, New Delhi -110002.
2. The Secretary, Medical Council of India, Pocket - 14, Sector - 8, Dwarka Phase-I, New Delhi - 110075.
3. Vice Chancellor, Rajiv Gandhi University of Health Sciences, 4<sup>th</sup> 'T' Block, Jayanagar, Bangalore - 560041, Karnataka.
4. Under Secretary(ME-P.II), Ministry of Health and Family Welfare (Department of Health & Family Welfare), Nirman Bhavan, New Delhi - 110001.
5. Chairman, Sri Devaraj Urs Academy of Higher Education & Research, Tamaka, Kolar - 536101, Karnataka. The declaration made in para 1 of this notification relating to conferment of status of deemed-to-be-university will be subject to the following conditions:-
  - (a) The 'Deemed-to-be-University' shall finalise its Memorandum of Association (MoA) and Rules immediately in conformity with the University Grants Commission's Model MoA and Rules for the Deemed to be Universities and get it approved by the UGC.
  - (b) The management of Sri Devaraj Urs Medical College, Tamaka should legally vest with Sri Devaraj Urs Academy of Higher Education & Research.
  - (c) The movable as well as immovable assets, including that of Sri Devaraj Urs Medical College should be legally transferred in the name of the Trust formed for management of the deemed-to-be-university institution through a valid deed registered under the Indian Registration Act, in the interest of future of students, members of faculty, employees and for maintaining the standards of higher education.
  - (d) The deemed-to-be-university institution or its constituent unit shall not offer any course/programme that has not been approved by the Ministry of Health and Family Welfare or other relevant Ministries and/or the relevant Statutory Councils such as Medical Council of India, etc.
  - (e) The deemed-to-be-university institution or its constituent unit shall not offer/award, as the case may be, any degrees that are not specified by the UGC. The deemed-to-be-university institution will continue to ensure that the nomenclature of the degrees awarded by it are specified by the UGC under Section 22 of the UGC Act, 1956.

  
25/5

- (f) The deemed-to-be-university institution shall award degrees to only those students who are admitted/enrolled with it or its constituent unit subsequent to the date of this notification.
- (g) As for those students who are already enrolled with the Institution concerned prior to the date of this notification, they shall continue to be enrolled with the present affiliating university, namely, Rajiv Gandhi University of Health Sciences, Bangalore, which shall have to agree to examine and grant degrees to them on successful completion of the courses / programmes they are pursuing at present in the teaching Institutions of the deemed-to-be-university institution.
- (h) The deemed-to-be-university institution shall regularly obtain the requisite 'renewal' of approval / permission of Ministry of Health and Family Welfare and other relevant Statutory Councils, as the case may be, well within the prescribed time limit, in respect of the courses offered, intake capacity of students, etc.
- (i) The deemed-to-be-university institution and its constituent unit shall start/offer, as the case may be, the courses/programmes in accordance with the relevant prescribed norms and guidelines of the UGC and the relevant statutory professional regulatory Councils, such as Medical Council of India(MCI), Indian Nursing Council(INC), Dental Council of India(DCI), AICTE, etc.
- (j) The 'Deemed-to-be-University' as well as all its constituent institutions shall strictly abide by all the norms and guidelines as laid down by the UGC and other Statutory Councils such as Medical Council of India, etc. from time to time, as are applicable to institutions notified as 'Deemed-to-be-Universities'.
6. Press Information Bureau, Shastri Bhawan, New Delhi-110001.
7. The Secretary-General, Association of Indian Universities, A.I.U. House, 16, Kotla Marg, New Delhi - 110002.
8. Director(Administration) & Web Master, Department of Higher Education, Shastri Bhavan, New Delhi. It is requested that suitable instructions may be issued to CMIS to upload this notification on the website (Home site) of the Department.
9. Guard file / Notification file.

  
(Madhukar Sinha)  
Director

# FORM 9

THE PATENT ACT, 1970  
(39 of 1970)  
&  
THE PATENTS RULES, 2003

## REQUEST FOR PUBLICATION

[See section 11A (2) rule 24A]

I/We **Sri Devaraj Urs Academy of Higher Education and Research** hereby request for early publication of my/our [Patent Application No.] TEMP/E-1/49272/2025-CHE

Dated **07/05/2025 00:00:00** under section 11A(2) of the Act.

Dated this(Final Payment Date):-----

Signature

Name of the signatory

To,  
The Controller of Patents,  
The Patent Office,  
At Chennai

This form is electronically generated.



தமிழ்நாடு தமில்நாடு TAMILNADU

*9. Pream Charles  
Krishnagiri.*

22 APR 2025

DS 115723

*V. Radha*  
**V. RADHA**  
S.V.L. No: 3936/B1/2000  
163-A, Salem Road  
KRISHNAGIRI-635 001

STAMP DUTY FOR  
APPLICATION NO: 20254044082

**FORM 26**  
**THE PATENTS ACT, 1970**  
**(39 OF 1970)**

&

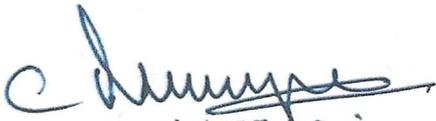
**THE PATENT RULES, 2003**  
**FORM FOR AUTHORIZATION OF A PATENT AGENT/OR ANY PERSON IN A MATTER OF**  
**PROCEEDING UNDER THE ACT**  
**(See Section 127 and 132; rule 135)**  
**POWER OF ATTORNEY**

I / we,

NAME(S) OF APPLICANT(S)	NATION ALITY	ADDRESS
Sri Devaraj Urs Academy of Higher Education and Research	Indian	Sri Devaraj Urs Academy of Higher Education and Research, Kolar – 563101, Karnataka, India.

hereby authorize, Prem Charles I (INPA3311) and Madhu Smita (INPA3454), Registered Patent Agents with address for communication at Allinnov Research and Development Private Limited, #360A, First Floor, Senthur Murugan Kovil Street, Opp. S.M. Mahal, Oldpet, Krishnagiri - 635001, Tamil Nadu, India, to act on our behalf in connection with Patent filing and further prosecution, filing of assignments and any document related thereto, with reference to our patent application/ reference no. 202541044082 dated 07-05-25 and all further patent applications filed by them in future, on our behalf and request that all notices, requisitions and communications relating thereto may be sent to such person at the above address unless otherwise specified. They are also authorized to substitute another attorney / agent to attend hearings (if any) in relation to the patent. We hereby revoke all previous authorizations, if any, in respect of same matter or proceeding. We hereby assent to the action already taken by the said persons in the above matter.

Dated - 08-05-25

  
Registrar

Sri Devaraj Urs Academy of Higher Education and Research  
Education and Research  
Tamaka, Kolar - 563 103.

To,

The Controller of Patents

The Indian Patent Office

At Chennai, Kolkata, Delhi, Mumbai

Controller General of Patents, Designs & Trade  
Marks

सत्यमेव जयते

G.A.R.6  
[See Rule 22(1)]  
RECEIPT

Docket No 45993

Date/Time 2025/05/07 08:01:03

To  
Madhu Smita

UserId: madhusmita

#01, Dwarka Sector 14

## CBR Detail:

Sr. No.	App. Number	Ref. No./Application No.	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202541044082	TEMP/E-1/49272/2025-CHE	1600	27342	FORM 1	SPECIALISED MONITORING AND REHABILITATION THROUGH TELECONSULTATION USING QR CODE: SMART CODE
2	E-12/10405/2025/CHE	202541044082	2500	27342	FORM 9	----
3	E-106/9066/2025/CHE	202541044082	0	----	FORM28	----

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0001663091	Online Bank Transfer	0705250002798	4100.00	1475001020000001

Total Amount : ₹ 4100.00

Amount in Words: Rupees Four Thousand One Hundred Only

Received from Madhu Smita the sum of ₹ 4100.00 on account of Payment of fee for above mentioned Application/Forms.

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E-mail: chennai-patent@nic.in  
Web Site: www.ipindia.gov.in



सत्यमेव जयते



Docket No 45995

Date/Time 07/05/2025

To  
Madhu Smita

User Id: madhusmita

#01, Dwarka Sector 14

Sr. No.	App. Number	Ref. No./Application No.	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202541044082	E-5/4064/2025/CHE	0	----	FORM 5	
2	202541044082	E-3/9181/2025/CHE	0	----	FORM 3	

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E-mail: chennai-patent@nic.in  
Web Site: www.ipindia.gov.in



सत्यमेव जयते



Docket No 46476

Date/Time 08/05/2025

To  
Madhu Smita

User Id: madhusmita

#01, Dwarka Sector 14

Sr. No.	App. Number	Ref. No./Application No.	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202541044082	E-45/5910/2025/CHE	0	----	FORM 26	

Total Amount : ₹ 0

Amount in Words: Rupees Only

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