



**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

# SCHOOL OF PHYSIOTHERAPY AND REHABILITATION SCIENCES

NEWSLETTER APRIL TO JUNE- 2025



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## FROM EDITOR'S DESK

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**Dr. Mansi Dewan (P.T.)**

**Assistant Professor, SPRS**



**Dr. Shikha Dutt Sharma**

**Assistant Professor, SOHS**

**IQAC Coordinator**

It gives us immense pleasure to present this special edition of the newsletter, a testament to the remarkable journey of the School of Physiotherapy and Rehabilitation Sciences. As the Event Coordinator and editor of this edition, I am proud to showcase the achievements, innovations, and impactful initiatives undertaken by our faculty and students.

This publication reflects our collective commitment to advancing the field of physiotherapy and rehabilitation sciences while fostering a culture of collaboration and excellence. I extend my heartfelt gratitude to everyone who contributed to this edition, making it a true celebration of our milestones.

Let this newsletter serve as a source of inspiration and a platform to amplify our shared vision for progress in healthcare and rehabilitation.

Happy Reading!

## MESSAGE FROM THE LEADERSHIP



***Research is the cornerstone of innovation, and I am proud to witness the commitment of our faculty and students in exploring new frontiers that contribute to patient well-being and rehabilitation sciences. These efforts not only enrich our academic ecosystem but also strengthen our role in addressing national health priorities and advancing global Sustainable Development Goals.***

The School of Physiotherapy and Rehabilitation Sciences at K.R. Mangalam University has been making commendable strides in education, clinical practice, and research. By fostering evidence-based learning, interdisciplinary collaborations, and community outreach, the School is shaping future-ready physiotherapy professionals who are both skilled and compassionate.

Research is the cornerstone of innovation, and I am proud to witness the commitment of our faculty and students in exploring new frontiers that contribute to patient well-being and rehabilitation sciences. These efforts not only enrich our academic ecosystem but also strengthen our role in addressing national health priorities and advancing global Sustainable Development Goals.

As we move forward, I invite each member of our academic family to continue this journey of excellence with passion and dedication. Together, let us reaffirm our resolve to contribute meaningfully to healthcare and society at large.

**Dr. Seema Raj**

Dean Research, KRMU

## FROM THE DEANS' DESK



***We continue to integrate technology as well as social consciousness into the teaching learning process, focusing on holistic growth. Since its inception, SPRS has created a learning experience that encompasses 'inside classroom' as well as 'outside classroom' learning.***

Over the years, I have seen physiotherapy grow as a profession and gain the respect of society as more and more people understand its importance. In a parallel, I have seen the School of Physiotherapy and Rehabilitation Sciences make a mark within the university as well as in professional circles. Our students continue to make us proud with their achievements, while our faculty and staff nurture them and plan for even more accolades.

We continue to integrate technology as well as social consciousness into the teaching learning process, focusing on holistic growth.

Since its inception, SPRS has created a learning experience that encompasses inside classroom as well as outside classroom learning. With the passion of the faculty and the enthusiasm of our students, we have taken strides in establishing academic rigour, skill-based education, clinical competence and personality building for all the students.

I look forward to continuing the efforts of bringing to the readers all our efforts and invite suggestions.

Warm Regards

**Dr. Mamta Shankar (PT)**

School Coordinator, SPRS



# ABOUT SCHOOL

The School of Physiotherapy & Rehabilitation Sciences (SPRS) is dedicated to establishing a standard of professional education that promotes independent thought and a strong commitment to society. The school emphasises evidence-based practice to meet the population's needs with skilled, efficient, and accessible care. SPRS offers an undergraduate program, the Bachelor of Physiotherapy (BPT), with the goal of creating a skilled workforce of rehabilitation professionals to address society's healthcare needs. The school prioritises clinical training, evidence-based practice, and ethical values. The BPT course is designed to enhance clinical and diagnostic skills, foster research-oriented practices, and promote the learning of life skills essential for developing ethical, empathetic, and skilled physiotherapy professionals.

## SCHOOL VISION AND MISSION

### Vision

To be a premier institution reputed nationally for excellence in physiotherapy and rehabilitation education.

### Mission

#### The mission of the School of Physiotherapy and Rehabilitation Sciences is to:

Impart evidence-based practical and hands-on learning. Focus on novel areas of research in physiotherapy, rehabilitation and interdisciplinary domains. Create a learning experience integrating advanced methods, techniques and technology in the field of physiotherapy and rehabilitation. Inculcate holistic education and entrepreneurial skills among students.



# EVENTS AT SPRS

## INDUSTRIAL VISIT TO BIOMED

The School of Physiotherapy & Rehabilitation Sciences, K.R. Mangalam University successfully organized an “Industrial Visit to Biomed Facility” for BPT 1st-year students on 8th May 2025. The visit took place at Biomed Facility, Nangli Sakrawati, Najafgarh, New Delhi, under the guidance of Dr. Shweta Kumar (PT) and Dr. Pious Divya (PT) – Assistant Professors, and Dr. Hemant Kumar (PT) – Demonstrator, School of Physiotherapy & Rehabilitation Sciences, KRMU. During the visit, students were introduced to key aspects of biomedical equipment technology and its application in physiotherapy. They gained valuable insights into

the functioning, maintenance, and safety protocols of electrotherapy and rehabilitation equipment. The team at Biomed Facility provided an overview of equipment calibration, repair processes, and quality assurance measures. This industrial visit served as a significant experiential learning opportunity, helping students bridge foundational theoretical knowledge with practical exposure to physiotherapy-related biomedical technology. Such initiatives foster technical understanding and prepare students for real-world clinical and technological integration in the field of physiotherapy.



Students at the biomed facility



Students with faculty outside the biomed facility



## VISIT TO GAIT LAB

The School of Physiotherapy & Rehabilitation Sciences, K.R. Mangalam University successfully organized a visit to Gait and Motion Lab on 7th May, 2025 for BPT third year students. The visit took place at Gait and Motion Lab, Gurugram, under the guidance of Dr. Barnali Bhattacharjee (PT), Associate Professor and Dr. Mansi Dewan (PT), Assistant Professor, School of Physiotherapy & Rehabilitation Sciences, KRMU. The lab has been set up by Dr. Manoj Padman, Orthopaedic Paediatrician, with Dr. Vandana Phadke (P.T.) as the chief motion analysis expert. Gait training and motion analysis are essential for physiotherapists in diagnosing and treating patients with

movement impairments. It helps physiotherapists observe and understand abnormal walking patterns, which can be caused by various conditions such as neurological disorders, musculoskeletal injuries, or post-surgical rehabilitation. Through 3-D gait analysis, physiotherapists can pinpoint specific areas of weakness that need to be rehabilitated. During the visit, Dr. Vandana Phadke (P.T.) explained to the students that with the help of various motion sensors that are placed on specific anatomic landmarks they are able to diagnose movement impairments. She highlighted the use of this advanced technology in treatment of Cerebral Palsy and various sport injuries.



Dr. Vandana explaining analysis for a C.P. Child



Students and faculty at Gait Lab



## ALUMNI TALK

School of Physiotherapy and Rehabilitation Sciences, K.R. Mangalam University, organized its first Alumni interaction: "Bridging the Generations" on 7th, May 2025. The aim of the event was to bring back our proud Alumna Dr. Aanchal Sharma (PT) to her Alma-Mater, so, that she can share her real-life experiences with the BPT students, further strengthening the bond between alumni and the University. Dr. Aanchal Sharma (PT) is currently working as Physiotherapist and International Consultant in Vaidam, a start-up which focuses on medical tourism. The alumni interaction proved to be a

highly beneficial session for the physiotherapy students. The insights shared by the experienced alumni provided valuable guidance for their upcoming examinations and offered clarity regarding the diverse career opportunities available after graduation. The students actively participated in the discussion, asking insightful questions and expressing their gratitude for the alumni's time and advice. This interaction served as a valuable bridge between current students and practicing professionals, fostering a sense of community and support within the physiotherapy fraternity



Alumni delivering the talk



Students and faculty during Alumni Talk



Felicitatation of alumni

## VISIT TO A PHYSIOTHERAPY CONFERENCE

The FEMALE PHYSIO SUMMIT, FEMCON-4 National Conference, held from 05th-06th April, 2025 took place at Apex University, Jaipur, Rajasthan. Three students from BPT along with three faculty members from SPRS attended the conference. DAY-1 of the conference started with inauguration after which speaker sessions were held. Dr. Barnali Bhattacharjee (P.T.), Associate Professor, SPRS being an esteemed speaker delivered a session on Health, Equality and SDG-5: Lessons from Rural Women's stories in India in which she discussed how the reproductive and the overall well-being of rural women is affected. Post the speaker

sessions, Mitali Singh presented a poster on Oncology Rehabilitation and Jhanvi from BPT Final year presented a paper on their case study on Sacro-Iliac Joint Dysfunction. The day ended with a few more interesting speaker sessions.

Day-2 of the conference started with few more speaker sessions after which the valedictory session was held. Dr. Mansi Dewan (P.T.), Assistant Professor, SPRS was awarded EXCELLENCE IN PHYSIOTHERAPY PRACTICE AWARD for her academic excellence. The two days conference ended with lot of learning and new experiences.



Students and faculty of SPRS at FEMCON-4





Jhanvi from final year during her paper presentation



Dr. Barnali during her expert session



Dr. Mansi awarded for her academic excellence



## COLLABORATIONS

An MoU has been signed between Asian Hospital, Faridabad and K.R. Mangalam University to foster academic and clinical collaborations in areas of mutual interest within the field of physiotherapy. This partnership aims to provide students of the School of Physiotherapy and Rehabilitation Sciences (SPRS) with practical exposure through clinical postings, interactive workshops, and hands-on training in physiotherapy techniques. The collaboration is expected to enhance industry-academia engagement by facilitating real-world learning experiences, knowledge-sharing sessions, and skill development initiatives. Joint seminars, training

programs, and expert interactions will further strengthen the academic framework and clinical relevance of physiotherapy education. The MoU was formally signed by Dr. Amit Pandey, HOD, Asian Hospital and Dr. Hilal Ahmed, M.S. Asian Hospital with Dr. Rahul Sharma, Registrar, K.R. Mangalam University, in the presence of Prof. Raghuvir Singh, Vice Chancellor of K.R. Mangalam University and Dr. Mamta Shankar (P.T.), School Coordinator, SPRS marking the beginning of a valuable partnership aimed at fostering professional growth and industry readiness for students pursuing physiotherapy careers.



Dr. Shweta and Dr. Mamta with Dr. Rahul Sharma



Dr. Shweta and Dr. Mamta with Dr. Amit Pandey, HOD, Asian Hospital and Dr. Hilal Ahmed, M.S. Asian Hospital

# RESEARCH AND INNOVATION

**DR. SUMIT KALRA (PT), PROFESSOR, SPRS PUBLISHED A PATENT TITLED ORTHOPAEDIC MEDICAL APPARATUS FOR NON-SURGICAL SPINAL DECOMPRESSION.**



Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6434986  
Grant date: 11 April 2025  
Registration date: 04 April 2025

**This is to certify that,**

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Nidhi Kalra, Dr. Sumit Kalra, Avi Choudhary, Mohd Asif, Dr. Niti Khurana

in respect of the application of such design to:

Orthopaedic Medical Apparatus for Non Surgical Spinal Decompression

International Design Classification:  
Version: 15-2025  
Class: 24 MEDICAL AND LABORATORY EQUIPMENT  
Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES



**Adam Williams**  
Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office  
The attention of the Proprietor(s) is drawn to the important notes overleaf.



**DR. SHISHIR NIGAM (PT), PROFESSOR , SPRS PUBLISHED  
A PATENT TILED IOT BASED DEVICE TO DETECT DIABETIC  
NEUROPATHY. (ISSUED ON 12/6/2025)**



**INTELLECTUAL  
PROPERTY INDIA**  
REGISTRATION OF PATENTS  
INDIAN PATENT OFFICE



भारत सरकार

**ORIGINAL**  
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**पेटेंट कार्यालय, भारत सरकार**

**डिजाइन के पंजीकरण का प्रमाण पत्र**

**The Patent Office, Government of India**

**Certificate of Registration of Design**

डिजाइन सं. / Design No. : 449975-001

तारीख / Date : 01/03/2025

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IOT BASED DEVICE TO DETECT DIABETIC NEUROPATHY** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ankita 2. Dr. Moattar Raza Rizvi 3.Dr. Shishir Nigam 4.Dr. Sadhan Berry 5.Dr. Baljeet Kaur 6.Dr. Kavita Sharma 7.Dr. Piyush Singh 8.Dr. Priya Garg के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **IOT BASED DEVICE TO DETECT DIABETIC NEUROPATHY** in the name of 1.Dr. Ankita 2. Dr. Moattar Raza Rizvi 3.Dr. Shishir Nigam 4.Dr. Sadhan Berry 5.Dr. Baljeet Kaur 6.Dr. Kavita Sharma 7.Dr. Piyush Singh 8.Dr. Priya Garg.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 12/06/2025

Date of Issue





सहानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks



## PLACEMENTS

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We are pleased to share that Riya BPT Batch 2020 was placed at Newlife Multispeciality Hospital, Gurugram as Junior Physiotherapist. Proving one's skills and securing a job validates the effort put into education. It's a milestone moment that marks the transition from being a student to becoming a professional, filling the student with pride, hope, and optimism.

**RIYA**  
**BPT 2020**



## STUDENTS ACHIEVEMENTS

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Jahanvi and Mitali from BPT Final year presented a scientific paper and poster at The FEMALE PHYSIO SUMMIT, FEMCON-4 National Conference, held from 05th-06th April, 2025 took place at Apex University, Jaipur, Rajasthan.



Mitali during her poster presentation

## SPECIAL BLOG



Mandala Art depicting Mata roop beautifully symbolizes the divine feminine energy and motherly grace. The intricate circular patterns represent wholeness, protection, and the eternal cycle of life, while the central figure of Mata embodies strength, compassion, and spiritual power. The vibrant colors and symmetrical designs radiate positivity, invoking a sense of peace, devotion, and inner harmony. This art form not only celebrates the sacred presence of the Mother Goddess but also serves as a meditative tool connecting the devotee with divine energy.



**By- Prof. Sumit Kalra / SPRS, KRMU**

## COMMUNITY CONNECT

NSS, KRMU in collaboration with SPRS organized a health check-up at Dohla Village on 15-04-2025. Dr. Ankita Samuel (PT), Assistant Professor, Dr. Hemant Kumar Dagar (PT), Demonstrator along with BPT students assessed and provided free health check up at the camp. Free health camps in villages play a crucial role in bridging the gap

between healthcare services and rural communities. Many villagers face challenges such as lack of awareness, financial constraints, and limited access to hospitals. These camps provide them with free medical check-ups, early diagnosis of diseases, and health education at their doorstep.



Students with faculty at the health camp



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