



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

KRMU Times

January- June 2025



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FROM THE EDITORIAL BOARD

As we embark upon the first half of 2025, we are delighted to present to you a new edition of KRMU Times—a reflection of fresh beginnings, renewed aspirations, and the continued pursuit of excellence at K.R. Mangalam University. The months from January to June 2025 have been marked by enthusiasm, innovation, and a strong academic momentum that sets the tone for the year ahead.

This phase has witnessed a vibrant blend of academic engagement and creative exploration across the University. Classrooms have evolved into spaces of dialogue and discovery, where students and faculty have actively collaborated through experiential learning, research-driven activities, and skill-based initiatives. The emphasis on interdisciplinary learning and industry integration has further strengthened our commitment to preparing students for a dynamic and ever-changing world.

Beyond academics, campus life has continued to flourish with a range of cultural events, competitions, workshops, and student-led initiatives that reflect the energy and diversity of our community. Our students have not only excelled in co-curricular domains but have also demonstrated a deep sense of responsibility through various outreach programmes, social campaigns, and community

engagement activities. These experiences continue to shape them into thoughtful individuals and responsible citizens. As the semester progresses, it also brings with it moments of reflection and achievement. For many students, this period signifies growth—not just academically, but personally and professionally. It is a time to recognize efforts, learn from experiences, and move forward with clarity and confidence.

Looking ahead, 2025 promises exciting opportunities, new collaborations, and meaningful advancements in academics, research, and institutional development. With a shared vision and collective commitment, we are confident that the journey ahead will be even more enriching and impactful.

We extend our heartfelt gratitude to our faculty, staff, students, and all stakeholders who continue to contribute to the vibrant spirit of KRMU. Your dedication and enthusiasm remain the cornerstone of our progress.

Let us continue to learn, grow, and inspire—together.

Warm regards,

The Editorial Board
KRMU Times



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MESSAGE FROM THE LEADERSHIP



Dear Readers,

As we step into the first half of the year 2025, it gives me immense pleasure to reflect upon the vibrant academic journey and progressive milestones achieved at K.R. Mangalam University. The period from January to June 2025 has been marked by renewed academic energy, innovative practices, and a strengthened commitment towards holistic education.

At KRMU, academics is not merely about curriculum delivery; it is about shaping intellect, nurturing curiosity, and building competencies that are aligned with the evolving global landscape. During this phase, we have continued to emphasize outcome-based education, experiential learning, and interdisciplinary engagement, ensuring that our students are equipped not only with knowledge but also with the ability to apply, analyze, and innovate.

This semester has witnessed a dynamic blend of academic rigor and creative exploration. From impactful workshops, industry collaborations, and research-driven initiatives to student-led projects and academic achievements, the University has fostered an ecosystem that encourages inquiry and excellence. Our focus on integrating technology with pedagogy has further enhanced the learning experience, making it more engaging, inclusive, and future-ready.

In alignment with the vision of the National Education Policy, we continue to promote flexibility in learning, skill development, and research orientation. The incorporation of multidisciplinary approaches, value-added courses, and continuous assessment practices has strengthened our academic framework and empowered students to take ownership of their learning journeys.

Equally important is our commitment to fostering ethical values, critical thinking, and social responsibility. Through various academic and extension activities, we aim to create not just competent professionals but also responsible individuals who can contribute meaningfully to society.

I extend my sincere appreciation to our dedicated faculty members, enthusiastic students, and the entire academic fraternity whose collective efforts continue to elevate the standards of excellence at KRMU. Your passion, perseverance, and commitment are the driving forces behind our success.

As we move forward, let us continue to embrace innovation, strive for excellence, and uphold the spirit of lifelong learning. Together, we will shape a future that is not only successful but also meaningful and impactful.

Warm regards,

Prof. (Dr.) Varuna Tyagi

Dean Academics

K.R. Mangalam University

KRMU AT A GLANCE

School of Architecture and Design
School of Basic and Applied Sciences
School of Education
School of Engineering and Technology
School of Hotel Management Catering and Technology
School of Humanities
School of Journalism and Mass Communication
School of Legal Studies
School of Management and Commerce
School of Medical and Allied Sciences
School of Physiotherapy and Rehabilitation Sciences
School of Agricultural Sciences



- 
- Centre of Excellence for Cloud Computing
 - Centre of Excellence for Cyber Security
 - Centre of Excellence- Robotics and Automation
 - Centre of Excellence- Artificial Intelligence and Machine Learning
 - Centre of Excellence- Sustainable Development Goals
 - Centre for Human Rights
 - Centre for Criminology and Victimology
 - Women Empowerment & Development Centre



ACTIVITY ROUND UP

The first half of 2025 has witnessed a vibrant range of academic, professional, and experiential learning initiatives across K.R. Mangalam University. From international conferences and industry interactions to workshops, field visits, and collaborative partnerships, these activities reflect the university's commitment to holistic education. Students and faculty are actively engaged in knowledge exchange, research discussions, and practical exposure beyond the classroom. The following highlights capture some of the key events that enriched learning and strengthened academic excellence across the university.

FIELD VISIT TO AKSHARDHAM: EXPLORING ITS SOCIOCULTURAL IMPACT

The School of Education, K.R. Mangalam University, organized a field visit to Akshardham Temple on 31 January 2025 as part of the project "Akshardham as a Sociocultural Icon." The visit provided students with experiential learning on the temple's historical, cultural, and social significance.

Accompanied by faculty members, students observed its architecture and cultural symbolism, and through discussions and field observations gained insights into its sociocultural impact and role in preserving heritage.



Students Step into the Grandeur of the Temple Premises, Eager to Explore Its Cultural and Spiritual Legacy.

KRMU STUDENTS ATTEND INDUSTRY EXPOSURE VISIT AT BHARAT MANDAPAM DURING WITT SUMMIT

Students from the School of Journalism and Mass Communication (SJMC), along with 82 students from other schools of K.R. Mangalam University, participated in a two-day industry exposure visit to the WITT Summit held at Bharat Mandapam, Pragati Maidan, New Delhi, on 28–29 March 2025. A key highlight of the event was the keynote address

by Hon'ble Prime Minister Shri Narendra Modi, who shared insights on India's economic growth, digital transformation, and global leadership. The summit featured engaging panel discussions with policymakers, industry leaders, and media professionals, providing students with valuable perspectives on contemporary industry and governance issues.



SJMC faculty and students of KRMU at Bharat Mandapam for PM Modi's industry interaction session.

FIELD VISIT TO SUNIL BOXING ACADEMY

Students of BPT third and final year from the School of Physiotherapy and Rehabilitation Sciences visited Sunil Boxing Academy, Gurugram, on 31 January 2025. The visit provided students with hands-on exposure to assessing sports injuries and understanding the biomechanics involved in boxing.

During the interaction, students evaluated athletes, suggested rehabilitation approaches, and recommended conditioning and strengthening exercises. The visit offered valuable practical insights into sports physiotherapy and injury management.



Students Treating the Athlete



ADDA@SOAD LECTURE ON SCIENCE AND ARCHITECTURE OF DELHI'S STEPWELLS

The School of Architecture and Design (SOAD), K.R. Mangalam University, organized a lecture under its ADDA@SOAD series on 7 March 2025, featuring Mr. Vikramjit Singh Roprai, author and heritage activist. The session on "Science and Architecture of Delhi's Stepwells" highlighted their

architectural value, historical water management systems, and sustainable design principles, encouraging students to appreciate heritage conservation and its relevance to contemporary architecture.



EDUCATIONAL TRIP TO JAIPUR LITERATURE FESTIVAL

The School of Humanities organized an educational trip to the Jaipur Literature Festival on 31 January 2025 at Hotel Clarks, Amer, providing students with enriching exposure to global literature and contemporary ideas. Students attended diverse sessions featuring renowned authors and thinkers,

exploring themes such as historical narratives, diplomacy, culture, and economic discourse. The visit offered valuable insights into the intersection of literature, society, and public thought, encouraging critical reflection and broadening students' intellectual perspectives.



Glimpses of Jaipur Literary Festival



INTERNATIONAL CONFERENCE ON "ADVANCED MATERIALS FOR GREEN CHEMISTRY AND SUSTAINABLE ENVIRONMENT (AMGSE-2025)"

K.R. Mangalam University hosted the 2nd International Conference on Advanced Materials for Green Chemistry and Sustainable Environment (AMGSE-2025) on 20–21 March 2025, bringing together around 200 researchers, academicians, and students. The conference included technical sessions on Green Chemistry, Sustainable Agriculture, and Environmental

Sustainability, along with oral and poster presentations. It also featured international participation and recognized emerging researchers through the Young Scientist Awards, promoting collaboration and research in sustainable science and green technologies.



A group photograph of organizers with the experts

INTERNATIONAL CONFERENCE "ON ENVISIONING THE FUTURE INDIA: OPPORTUNITIES AND CHALLENGES AHEAD FOR VIKSIT BHARAT 2047"

The School of Humanities, K.R. Mangalam University, organized a two-day International Conference on 9–10 May 2025 on the theme "Envisioning the Future India: Opportunities and Challenges Ahead for Viksit Bharat 2047." The conference brought together academicians, policymakers, and researchers to discuss India's developmental vision towards 2047. The event featured distinguished speakers from national and international institutions and included technical sessions and panel discussions on themes such as sustainable growth, inclusive governance, digital transformation, and social well-being.



Justice (Dr.) Mukundakam Sharma, Former Judge, Supreme Court of India, as Chief Guest, giving his speech on Day 1



INTERNATIONAL CONFERENCE ON "INNOVATIVE TECHNOLOGIES FOR SUSTAINABLE BUSINESS TRANSFORMATION (ITSBT-2025)"

The School of Management and Commerce (SOMC), K.R. Mangalam University, organized the International Conference on Innovative Technologies for Sustainable Business Transformation (ITSBT-2025) on 12 April 2025 at DoubleTree by Hilton, Gurugram, in hybrid mode. The conference was held in collaboration with international academic partners

and brought together researchers, industry experts, and policymakers. The event focused on exploring sustainable business models driven by emerging technologies and encouraged interdisciplinary dialogue on innovation, ethics, and sustainability in modern business practices.



A thought-provoking session by Guest of honor Mr. Amit Sinha- Former COO-Paytm

THE CAREER KICKSTART: PORTFOLIO & COMMUNICATION SKILLS WORKSHOP

The School of Architecture and Design (SOAD), K.R. Mangalam University, organized a workshop titled "The Career Kickstart: Portfolio & Communication Skills" on 25 April 2025 to help students strengthen their professional portfolios and communication abilities. The session was conducted by Ms. Versha Verma and Ar. Mehak Arora, with participation from over 60 students across design disciplines. The workshop guided students on building impactful portfolios that reflect their design process and creative identity, while also enhancing their presentation and interview communication skills. The session provided valuable insights into professional readiness and industry expectations.



Students engaged during online session with Alumni Mr. Daksh Mehta (SOET CSE- batch 2016)



"WORKSHOP ON CYBERSECURITY AND ETHICAL HACKING"

The Department of Forensic Science, School of Basic and Applied Sciences, K.R. Mangalam University, organized a hands-on workshop on Cybersecurity and Ethical Hacking on 3 April 2025. The session aimed to enhance students' understanding of cybercrime investigation, digital security, and ethical hacking practices. Experts from the Cyberelite Task Force conducted interactive sessions covering forensic tools, cybercrime case studies, and emerging cybersecurity trends. The workshop provided valuable practical exposure and strengthened students' awareness of digital crime prevention and career opportunities in cybersecurity and digital forensics.



Mr. Gaurav Jha introduced the participants about his role

NATIONAL SEMINAR ON "NEXT-GENERATION MEDICINE AND IP STRATEGY (NEXMED-IP 1.0)"

The School of Medical and Allied Sciences (SMAS), in collaboration with the KEIC Foundation and the IPR, Legal & Ethical Matters Cell, organized a one-day national seminar "Next-Generation Medicine and IP Strategy (NEXMED-IP 1.0)" on 6 May 2025. The seminar highlighted the role

of intellectual property in advancing innovations in AI, biotechnology, and personalized healthcare, featuring expert speakers and participation from over 120 delegates for discussions on medical innovation and IP rights.



Release of Abstract Book of NEXMED-IP 1.0 Seminar at K. R. Mangalam University



MOU SIGNED BETWEEN K.R. MANGALAM UNIVERSITY AND ASIAN HOSPITAL, FARIDABAD

K.R. Mangalam University signed a Memorandum of Understanding with Asian Hospital, Faridabad, to strengthen academic and clinical collaboration in the field of physiotherapy. The partnership aims to provide students of the School of Physiotherapy and Rehabilitation Sciences with enhanced clinical exposure through training programs,

workshops, and practical learning opportunities. The collaboration is expected to promote industry-academia engagement and support skill development through joint seminars, expert interactions, and hands-on clinical experience.



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

ALUMNI CONNECT LECTURE ON ARTIFICIAL INTELLIGENCE

The School of Engineering and Technology organized an online session under its Alumni Lecture Series on 17 April 2025, featuring alumnus Mr. Daksh Mehta. The session highlighted key concepts, applications, and career opportunities in Artificial Intelligence, while also discussing emerging technologies, ethical considerations, and industry pathways for students.



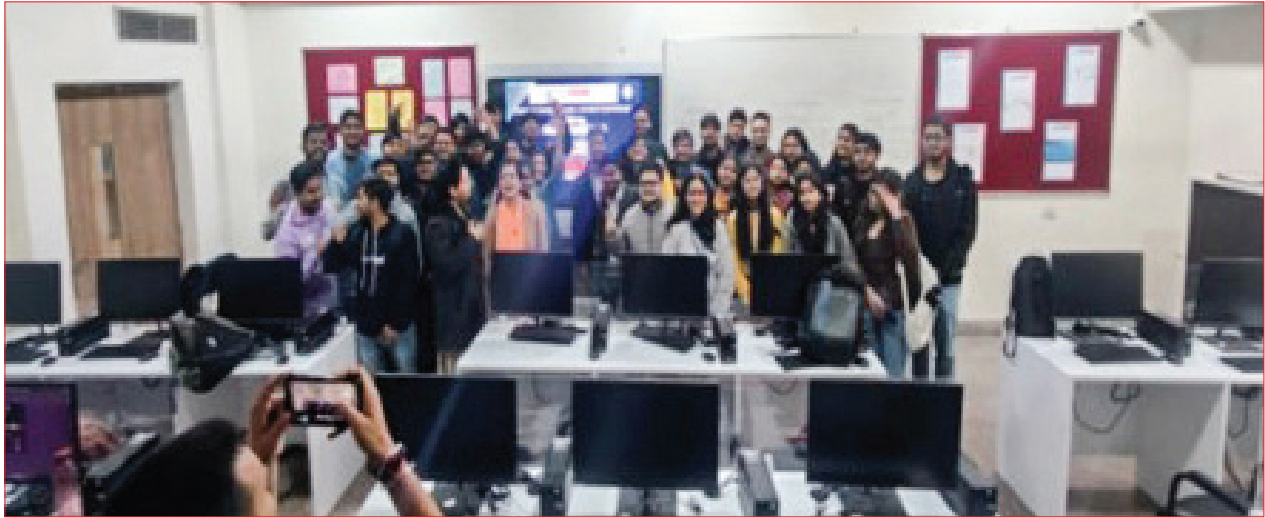


CLUBS & CENTRES

COMPUTER SOCIETY OF INDIA (CSI)

The Computer Society of India (CSI) – Student Chapter at K.R. Mangalam University organized engaging activities to promote innovation and technical awareness. Hack-Shield 2025 (21 January 2025) tested students' cybersecurity

knowledge through interactive quizzes, while the Start-up Pitch: Idea Presentation event (4 March 2025) encouraged students to present innovative business ideas and develop entrepreneurial and problem-solving skills.



Group photo on successful conclusion of Hack-Shield 2025

MANAGEMENT SOCIETY

The Management Society of K.R. Mangalam University organized a skill-based activity titled "Role-Play: Crisis Management in Public Relations" on 21 January 2025. The event engaged students in simulated PR crisis scenarios where they assumed roles such as PR managers, executives,

and media representatives. Through interactive exercises like press conference simulations and stakeholder communication, students developed practical skills in crisis handling, strategic decision-making, and effective communication.



A group photo of the students and faculty members who participated in the Role-Play: Crisis Management in Public Relations event.



RHETORIC CLUB

The Rhetoric Club at K.R. Mangalam University organized an interactive workshop on 21 January 2025 to strengthen students' critical thinking and persuasive communication skills. The session focused on structured reasoning, argumentation, and effective public speaking. Through activities such as mock debates and discussions on contemporary issues, students enhanced their ability to articulate ideas confidently and engage in meaningful dialogue.



ENVIRONMENT CLUB



Amidst nature's finest blooms — students explore biodiversity and the art of conservation at the vibrant Flower Show at Rashtrapati Bhawan

The Environment Club of K.R. Mangalam University organized an educational visit to Amrit Udayan, Rashtrapati Bhawan on 18 February 2025. The visit allowed students to explore diverse floral species and understand India's horticultural heritage while promoting awareness about biodiversity and environmental conservation.

CENTRE OF EXCELLENCE – ROBOTICS & AUTOMATION

The School of Engineering & Technology, in collaboration with the Centre of Excellence – Robotics & Automation, organized an industrial visit to Mathura Oil Refinery (IOC) on 16 April 2025. The visit provided students with valuable insights into refinery operations, automation technologies, and industrial safety practices in large-scale energy production.





KRMU TIMES HIGHLIGHT

"CENTRE OF EXCELLENCE (COE) IN ROBOTICS AND AUTOMATION"

Vision

To become a global leader in robotics and automation education, research, and innovation, fostering industry-ready professionals and advancing smart manufacturing and intelligent systems.

Mission

- To provide hands-on, industry-oriented training in robotics and automation.
- To promote research and innovation in emerging areas like AI-driven robotics, Industry 4.0, and autonomous systems.
- To establish strong industry collaborations for real-world exposure.
- To develop skilled engineers and entrepreneurs capable of solving industrial challenges.
- To support interdisciplinary learning across mechanical, electronics, and computer science domains.

Key Objectives

- Skill development aligned with Industry 4.0
- Product development & prototyping
- Research publications & patents
- Startup incubation support
- Consultancy & industry projects

MAJOR PROJECTS

1. Industrial Automation Lab Setup

- PLC, SCADA, HMI-based automation systems
- Conveyor belt and sorting automation

2. Autonomous Mobile Robot (AMR)

- Navigation using sensors (LiDAR, vision)
- Applications: warehouse automation, logistics

3. Robotic Arm Development

- 4-axis / 6-axis robotic arm
- Pick-and-place and assembly applications



Dr. Kishore Ajay Kumar Ayyala

Assistant Professor, SOET.

Chairperson

Centre of Excellence in Robotics and Automation.





4. Smart Manufacturing System (Industry 4.0)

- IoT-enabled machines
- Real-time monitoring and predictive maintenance

5. AI-based Vision System

- Object detection & quality inspection
- Integration with robotic arms for automation



6. Drone Technology & Automation

- Surveillance drones
- Agricultural automation applications

8. Human-Robot Collaboration (Cobots)

- Safe interaction systems
- Collaborative industrial tasks

7. Warehouse Automation System

- Automated guided vehicles (AGVs)
- Inventory tracking using RFID

9. Robotics for Healthcare

- Assistive robots
- Teleoperation systems





10. Student Innovation Projects

- Mini & major projects
- Hackathons and competitions

Industry Collaboration Areas

- Joint certification programs
- Internship & training
- Sponsored labs
- Live industrial problem solving

Expected Outcomes

- Skilled workforce in robotics & automation
- Increased research output (papers, patents)
- Startup ecosystem development
- Strong academia-industry linkage





STUDENTS' CORNER

STUDENT ACHIEVEMENT SPOTLIGHT

We are immensely proud to celebrate the remarkable achievement of Zaira Porter, a 1st-year BFA student from the School of Architecture and Design, who has brought international acclaim to the university.

Zaira represented her talent and determination at the prestigious Special Olympics Italy held in Turin from March 8th to 16th. Competing in Ice Speed Skating at the renowned

Palasport Tazzoli Stadium, she secured a Silver Medal, making the entire university community proud.

Her achievement is a testament to her unwavering dedication, resilience, and ability to balance both artistic pursuits and athletic excellence. Zaira's journey inspires us all to strive for greatness and pursue our passions with commitment and courage.

Congratulations, Zaira, on this outstanding accomplishment—you truly embody the spirit of perseverance and excellence!



We are proud to highlight the outstanding accomplishments of Vanlalzahawma Lawitlang, SOED, B.Ed. IV semester student of K.R. Mangalam University, who has brought great pride to the institution through his exceptional performance in football. Demonstrating remarkable skill, dedication, and team spirit, Zahawma secured:



- 1st Position at DPG College
- 2nd Position at ACCELERON IDEA SPORTOPIA hosted by GD Goenka University
- 3rd Position at Aravali Inter-College Annual Sports Meet 2K25

Zahawma’s commitment, teamwork, and sportsmanship truly embody the spirit of excellence. His achievements not only inspire his peers but also strengthen the university’s vibrant co-curricular culture.



CELEBRATING TALENT AT KALAUTSAV'25

K.R. Mangalam University proudly hosted Kalautsav’25, a vibrant cultural fest that celebrated creativity, talent, and the dynamic spirit of student life.

Among the standout performers, Mr. Akash Srivastava secured the 1st position, earning a certificate, cash prize, and trophy for his exceptional performance. His achievement reflects not only individual excellence but also the thriving artistic culture nurtured within the university.

Events like Kalautsav’25 highlight the institution’s strong commitment to holistic development—encouraging students to excel beyond academics and showcase their diverse talents.

Congratulations to Akash for this well-deserved recognition and for inspiring others to pursue their passions with confidence!



Dean Student Welfare awarded Mr. Akash for winning first prize and cash money of Rs. 1500/- during the event of KALAUTSAV.



Wapang Meren, a student of B. Sc. (H) Chemistry (VI semester) SBAS secured 3rd position in Football Aravali Inter-College annual Sport Meet 2K25 on 11-12 February 2025.

SJMC STUDENTS SHINE IN MOBILE FILMMAKING COMPETITION

Students of the School of Journalism and Mass Communication (SJMC), K.R. Mangalam University, showcased exceptional creativity at the Inter-University 48-Hour Mobile Filmmaking Competition, organized by the Mediaverse Club (March 18–20, 2025).

The Cinematic Sprinters Team secured First Place for their impactful short film, impressing the jury with strong storytelling, direction, and execution. Competing against

multiple universities, SJMC students demonstrated remarkable skill by completing all stages of filmmaking—scriptwriting, shooting, and editing—within just 48 hours using mobile phones.

The competition also offered valuable mentorship from industry experts, including Dr. Ujjval Chandra Das and Ms. Aditi Agarwal, further enriching the students' learning experience.

This achievement reflects SJMC's commitment to fostering creative, skilled, and industry-ready media professionals.



(1st Winners of the 48-Hour Filmmaking Challenge celebrating their achievement)



We are proud to celebrate the accomplishments of Ayush Thakur, a 6th Semester BA LL.B student, who has brought laurels to the university through his impressive performance in football.

Ayush secured 1st position in a football competition held at DPG College in February 2025, showcasing outstanding teamwork and sportsmanship. He further achieved 3rd

position at the Aravali Inter-College Annual Sports Meet 2K25 organized by Aravali College of Engineering & Management, held on 11th & 12th February 2025.

Representing K.R. Mangalam University, Ayush demonstrated consistent athletic excellence, dedication, and a strong competitive spirit. His achievements highlight a commendable balance between academics and extracurricular pursuits.

Congratulations to Ayush for his outstanding performance—we wish him continued success in all his future endeavours!



STUDENT SPORTS ACHIEVEMENT

We are proud to recognize the accomplishment of Vipin Khatana, a BBA Semester V student, who demonstrated exceptional talent and sportsmanship in football.

Vipin participated in the Spartan League Football Tournament organized by GITM Gurgaon, where his skill, teamwork,

and determination led his team to secure 1st place in the tournament.

His remarkable achievement reflects dedication, perseverance, and a strong competitive spirit, bringing pride to K.R. Mangalam University.

Congratulations to Vipin for this outstanding success—may he continue to excel both on and off the field!



PROUD ACHIEVEMENT IN SPORTS – VISHNU GOSWAMI SHINES AT RACKONNECT CLEANSE TOURNAMENT



Student Sports Achievement

We are delighted to share that Mr. Vishnu Goswami, a student of K.R. Mangalam University, has brought laurels to the institution with his commendable performance in padel.

He secured the Runner-Up position in the Individual Open Doubles (Men’s) Category at the Rackonnect Cleanse Tournament – Exclusive Padel, held at Pickle Park on 8th June 2025.

This achievement highlights Vishnu’s dedication, competitive spirit, and growing excellence in emerging sports like padel.

Congratulations to Vishnu for this impressive accomplishment—wishing him continued success in his sporting journey!

Academic Achievement Spotlight

We are proud to celebrate the achievement of Ms. Sannah Rainer Sharma, a B.Sc. (H) Physics (VI semester) student from SBAS, who showcased academic excellence on a prestigious platform.

She secured 2nd position for her poster presentation at the International Conference on Quantum Science and Technologies: Emerging Perspectives for a Viksit Bharat, organized by the Department of Physics at Gargi College, University of Delhi, under the aegis of National Academy of Sciences India.

Held from March 19–20, 2025, the conference provided a platform for young researchers to engage with emerging ideas in quantum science and technology. Sannah’s accomplishment reflects her dedication, research aptitude, and academic rigor.



Congratulations to Sannah for this commendable achievement and for contributing to the spirit of scientific inquiry and innovation!



FACULTY ACHIEVEMENTS

Prof. (Dr.) Tania Gupta, Dean, School of Education, received the Transformational Leadership Award 2025 in recognition of her outstanding leadership and commitment to educational excellence.



Dr. Indira Bhardwaj, Dean of the School of Management & Commerce, has been conferred with the National Women Leadership Award by Bhagidari Jan Sahyog Samiti. The award recognizes her exemplary leadership, dedication to education, and significant contributions to academic and societal development.



Ms. Aditi Agarwal and Dr. Aaqib Anwaar Butt from the School of Journalism and Mass Communication, received the Best Media Educator Award at the 19th Media Excellence Awards 2025 organized by the Media Federation of India on 8 March 2025. Ms. Agarwal was recognized for her contributions to TV Journalism, while Dr. Butt was honoured for his work in Media and Communication Research.





Prof. (Dr.) Anjana Singh, Dean and Professor, School of Hotel Management and Catering Technology, received the International Honourable Award 2025 from the Asian Council for Education and Research (UK) on 20 May 2025.



Dr. Kanchan Khatreja, Assistant Professor at the School of Education, received the Best Paper Presentation (Faculty Category) at the International Conference on Recent Trends in Management, Engineering, and Technology (ICMET 2025) held on 29–30 April 2025. Her research paper titled “Emerging Trends in Mathematics Education: Integrating Technology, Equity and Critical Pedagogy” was recognized for its valuable academic contribution.





Ms. Rohini Kumari, Assistant Professor of Economics at the School of Humanities, K.R. Mangalam University, has been honoured with the distinguished 'Iconic Women Creating a Better World for All' award. The prestigious accolade was presented by the All Ladies League (ALL) and the women's Indian chamber of commerce and Industries (WICCI) on January 18, 2025.

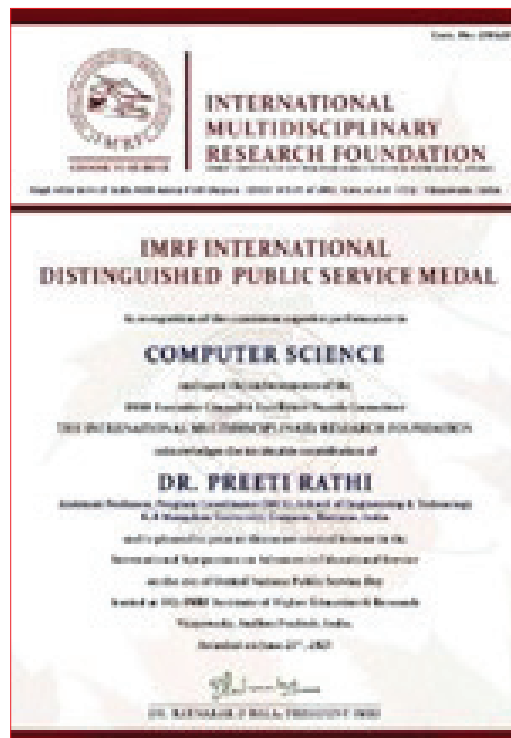


Dr. Shikha Dutt Sharma, Assistant Professor of English at the School of Humanities, K.R. Mangalam University, awarded with Women Leadership National Award and Best Paper Presentation Award for Research Paper Presentation Category by Bhagidari Jan Sahyog Samiti on 8th March 2025.

Dr. Shikha Dutt Sharma (Assistant Professor, School of Humanities, K.R. Mangalam University, Gurugram) received the International Honourable Award 2025 from the Asian Council for Education and Research (UK Global Accreditation) for her remarkable achievements.



Dr. Preeti Rathi, Assistant Professor and Programme Coordinator (MCA) at the School of Engineering and Technology, received the IMRF International Distinguished Public Service Medal from the International Multidisciplinary Research Foundation on 23 June 2025. The award recognizes her outstanding contributions to Computer Science, academic excellence, and public service.



Dr. Mamta Raj, Assistant Professor (Chemistry), SBAS has been conferred with the "Best Paper" at 3rd International Conference on Recent Trends in Materials & Devices (ICRTMD 2025) held from 24-26 March 2025 at JVMGRR, Charkhi Dadri, Haryana

Trilok Kumar Singh, Teaching Assistant and Research Scholar at K.R. Mangalam University, received the Best Paper Award at the Connect 360 International Conference held from 15–17 April 2025. His paper on Indian Knowledge Systems in the Age of Digital Media was recognized for its contribution to research on preserving and promoting traditional knowledge in the digital era.





Dr. Kriti, Assistant Professor (Physics), SBAS won the Best Paper Award at the International Conference on Multidisciplinary Research and Developments (ICMRD-2025) held on 4th April 2025.



Dr. Ruby Jindal Associate Professor (Physics), SBAS has received Best Paper Presentation Award at two days National Conference on Advances in Basic Sciences and Technology (NCABST) held on April 10-11, 2025 organized by Department of Physics and Chemistry, GDC Memorial College, Bahal, Bhiwani (Haryana).

Prof. (Dr.) J. S. Yadav, Dean, School of Agricultural Sciences (SOAS), K.R. Mangalam University, has been admitted as a Fellow of the Indian Society of Oilseeds Research (ISOR) at ICAR–Indian Institute of Oilseeds Research, Hyderabad, on 20 May 2025. The recognition honours his significant contributions to oilseeds research and agricultural innovation in India.

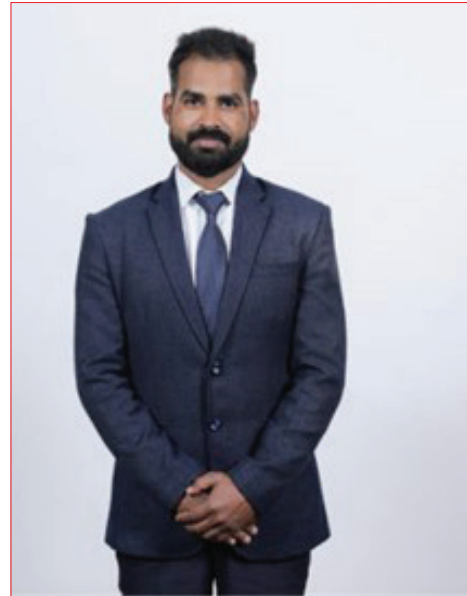


Dr. Devkanya Gupta, Assistant Professor at the School of Management and Commerce, served as a Resource Person at an International Webinar organized by Skill Activate on 29 March 2025. Her session on research methodologies was appreciated for its valuable insights and contribution to academic discussions.



Dr. Megha Garg, Assistant Professor, SOLS served as a judge at the International Commercial Arbitration Competition held at G.D. Goenka University on 15 February 2025. Her participation reflects her expertise in arbitration and commitment to supporting the development of future legal professionals.

Dr. Deepak Kumar, Assistant Professor, School of Agricultural Sciences (SOAS), received a Certificate of Excellence in Reviewing from the Asian Journal of Soil Science and Plant Nutrition on 25 March 2025. The recognition highlights his valuable contribution to maintaining the academic quality and integrity of scholarly research through the peer-review process.



Indo-Japan Printmaking Exhibition: A Celebration of Artistic Excellence

Koustav Nag, Assistant Professor at the School of Architecture and Design, curated the Indo-Japan Printmaking Exhibition held from 9–15 February 2025. The exhibition celebrated the artistic traditions and contemporary innovations of printmaking from India and Japan, where he also showcased his own artworks alongside renowned artists from both countries.





Prof (Dr) Kaveri Sharma, Dean, School of Legal Studies, chaired a Technical Session at the International Conference on “Beyond Gender: Navigating the Intersectionality of Justice, 2025” organized by the Centre for Family Law Studies and Research (CFLS), School of Law, Bennett University, in collaboration with University of Reading and University of Birmingham on 1st May 2025.

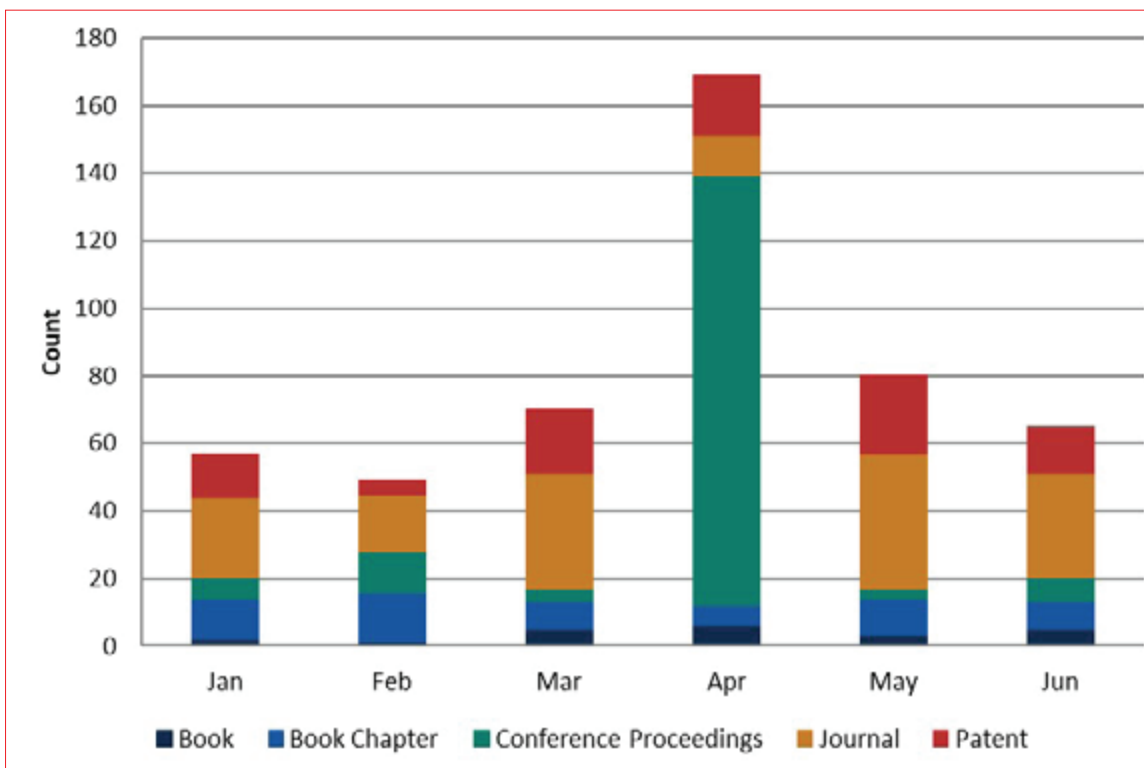
Dr. Mamta Shankar (PT) School Coordinator, School of Physiotherapy and Rehabilitation Sciences was invited as a Speaker at the annual conference of the National Dope Testing Laboratory (NDTL) at India International Centre on 19th March 2025.





PUBLICATION UPDATE

TOTAL PUBLICATIONS	JOURNAL ARTICLES	CONF. PAPERS	PATENTS	BOOKS & CHAPTERS
490	158	159	91	82



K.R. Mangalam University, Publications Jan-Jun 2025					
S/No	Type	Title	Authors	School Name	Journal / Publisher
1	Journal	ENHANCING LISTENING SKILLS AND LEARNER ENGAGEMENT THROUGH THE USE OF AUDIO BOOKS IN ENGLISH LANGUAGE INSTRUCTION	Dr. Shikha Dutt Sharma	SOHS	ABDC
2	Journal	MATHEMATICAL MODELLING ON DYNAMICS OF MULTI-VARIANT SARS-COV-2 VIRUS: ESTIMATING DELTA AND OMICRON VARIANT IMPACT ON COVID-19	Dr. Yogendra Kumar Rajoria, Dr. Rupali	SBAS	INTERNATIONAL ASSOCIATION of ENGINEERS



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4	Journal	EFFECT OF DRUGS ON INDIAN YOUNGSTERS	Dr. Shobhna Jeet	SOLS	JNU
5	Journal	THERMALLY ACTIVATED GROWTH OF MAGNETICALLY CHANNELIZED SMCO-BASED COMPOSITE NANOWIRES TO STUDY STRUCTURAL, MORPHOLOGICAL AND MAGNETIC PROPERTIES	Dr. Sujata Kumari	SBAS	ELSEVIER
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7	Journal	INVESTIGATION INTO THE VIBRATIONAL CHARACTERISTICS OF MONOLAYERED RUDDLESDEN-POPPER COMPOUNDS (SR, BA) ₂ HFO ₄	Dr. Ruby Jindal	SBAS	ESLEVIER
8	Journal	BIO-FABRICATION OF ACID-TREATED AND MAGNETIC BIOCHAR FROM RICE STRAW FOR TETRACYCLINE REMOVAL FROM WATER: RESPONSE SURFACE METHODOLOGY STUDY, REUSABILITY, AND MODELLING	Dr. Chandra Mohan	SBAS	SPRINGER
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11	Journal	INTEGRATED DEEP LEARNING AND BAYESIAN OPTIMIZATION APPROACH FOR ENHANCED PREDICTION OF HIGH-PERFORMANCE CONCRETE STRENGTH	Mr. Rupesh Kumar Tipu ,Ms. Archna Goyal ,Dr. Digvijay Singh,Dr. Ayyala Kishore	SOET	SPRINGER
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158	Journal	FEDERATED LEARNING-INTEGRATED AUTOENCODER MODEL FOR ROBUST AND DECENTRALIZED PNEUMONIA DETECTION IN CHEST X-RAYS	Dr. Pankaj Agarwal	SOET	INTERNATIONAL INFORMATION and ENGINEERING TECHNOLOGY ASSOCIATION (IIETA), EDMONTON, CANADA



159	Patent	DIGITAL TWIN SYSTEM FOR REAL-TIME CARBON FOOTPRINT OPTIMIZATION IN MANUFACTURING	Ms. Poonam Kumari	SOMC	INDIA
160	Patent	FTIR ENABLED DEVICE FOR ANALYZING THE CHEMICAL COMPOSITION OF SMALLER PARTICLES	Dr. Pankaj Gupta	SMAS	INDIA
161	Patent	DEVICE WITH OPTICAL FIBER SENSOR FOR REAL TIME ENVIRONMENTAL MONITORING	Dr. Vicky Kapoor	SBAS	INDIA
162	Patent	ARTIFICIAL INTELLIGENCE BASED APPARATUS FOR HOME AUTOMATION MANAGEMENT	Dr. Aarti Sangwan	SOET	INDIA
163	Patent	NON-AFFIXED MOVEABLE SMART BOARD FOR TEACHING-LEARNING	Dr. Prakash Chandra Jena	SOED	INDIA
164	Patent	INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA	Dr. Indira Bhardwaj	SOMC	CANADA
165	Patent	SMART ROTARY EVAPORATOR	Dr. Mina Kumari	SBAS	UK
166	Patent	COMPUTER DEVICE FOR ONLINE TEACHING LEARNING	Dr. Imran Siraj	SOET	UK
167	Patent	HYBRID SUPPLY CHAIN MODEL INTEGRATING E-COMMERCE AND BRICK-AND-MORTAR RETAIL	Dr. Vijay Prakash	SOMC	INDIA
168	Patent	DATA-DRIVEN AGRICULTURE MANAGEMENT DEVICE	Dr. Ambika Bhandari	SOAS	INDIA
169	Patent	MICROFLUIDIC REACTOR FOR NANOPARTICLE SYNTHESIS WITH IOT DATA INTEGRATION	Dr. Aarti Sangwan	SOET	AUSTRALIA
170	Patent	A SYSTEM METHOD FOR RECYCLING AND REVERSE LOGISTICS IN A CIRCULAR SUPPLY CHAIN USING AI, IOT AND BLOCKCHAIN	Dr. Vijay Prakash	SOMC	INDIA
171	Patent	AI-DRIVEN FINANCIAL INCLUSION PLATFORM FOR UNDERSERVED COMMUNITIES WITH PREDICTIVE ANALYTICS	Mr. Shubham Sachan	SOMC	INDIA
172	Patent	SEED QUALITY ANALYZER DEVICE	Dr. Preeti Rathi	SOET	INDIA
173	Patent	SOLAR PANEL DEFECT DETECTION USING ARTIFICIAL INTELLIGENCE	Ms. Kriti Sharma	SOET	INDIA
174	Patent	AI BASED DEVICE FOR ESTIMATING BIOAVAILABILITY OF HERBAL EXTRACTS IN ANIMALS	Ms. Samiksha Mishra	SMAS	INDIA
175	Patent	A NOVEL APPROACH FOR IMPROVING TOPICAL PENETRATION THROUGH FABRICATION OF TRETINOIN NANOCRYSTALS LOADED GEL UTILIZING AN ANTI-SOLVENT PRECIPITATION METHOD	Dr. Pankaj Gupta	SMAS	INDIA
176	Patent	TEMPERATURE CONTROLLED INSULIN PUMP	Ms. Manisha Singh	SMAS	UK
177	Patent	ARTIFICIAL INTELLIGENCE BASED ANESTHESIA MACHINE	Ms. Lucky Verma	SOET	UK



178	Patent	TOKEN-BASED REWARD SYSTEM FOR ENHANCING STUDENT AND REAL-TIME ACADEMIC PROGRESS TRACKING	Ms. Tanu Gupta, Mr. Rupesh Kumar Tipu	SOET	INDIA
179	Patent	AI-POWERED VIRTUAL ASSISTANT WITH ADVANCED SPEECH RECOGNITION AND ADAPTIVE LEARNING	Ms. Suman, Dr. Vandna Batra, Dr. Tanvi Chawla, Dr. Saneh Lata Yadav, Mr. Harsh Vardhan, Mr. Rahul Singh, Prof. (Dr.) Aman Jatain	SOET	INDIA
180	Patent	AI-BASED STUDENT FEAR DETECTION COMPUTING DEVICE	Mr. Manish Kumar	SOET	UK
181	Patent	DEVICE FOR DEVELOPING LIPID LABYRINTHS AND NANOSTRUCTURES FOR ENHANCED DRUG DELIVERY	Mr. Prashant	SMAS	INDIA
182	Patent	AI-BASED REAL-TIME WILDLIFE MONITORING SYSTEM USING IOT-CONNECTED CAMERAS AND DEEP LEARNING ALGORITHMS FOR SPECIES IDENTIFICATION	Ms. Rishika Mehta	SOET	INDIA
183	Patent	SOLAR POWERED AGRICULTURAL VEHICLE	Dr. Appurva Jain	SOET	UK
184	Patent	AI ASSISTED DEVICE FOR PREDICTION OF BREAST CANCER	Ms. Samiksha Mishra	SMAS	INDIA
185	Patent	AI-BASED COGNITIVE BEHAVIORAL THERAPY COMPANION USING NLP AND DEEP LEARNING FOR PERSONALIZED MENTAL HEALTH SUPPORT	Dr. Shweta Bansal, Mr. Rupesh Kumar Tipu, Ms. Suman, Dr. Vandna Batra, Ms. Archana Goyal, Mr. Manish Kumar, Dr. Digvijay Singh, Dr. Ayyala Kishore	SOET	INDIA
186	Patent	EXPERIMENTAL STUDY ON THE MECHANICAL AND THERMAL PROPERTIES OF BASALT FIBER AND NANOCCLAY REINFORCED POLYMER	Dr. Sagar Paruthi	SOAD	INDIA
187	Patent	AI-ENABLED SCANNER TO DETECT GREENWASHING	Ms. Amrita Singh	SOLS	INDIA
188	Patent	GENERATIVE ADVERSARIAL NETWORK FOR SYNTHETIC DATA GENERATION	Ms. Suman	SOET	CANADA
189	Patent	IOT PHYSIOTHERAPY BED	Dr. Shishir Nigam	SPRS	INDIA
190	Patent	IOT-BASED APPARATUS FOR ENVIRONMENTAL IMPACT ASSESSMENT IN URBAN DEVELOPMENT	Dr. Aarti Sangwan	SOET	INDIA
191	Patent	MATHEMATICS-BASED LEARNING ANALYTICS PLATFORM FOR REAL-TIME MONITORING AND OPTIMIZATION OF STUDENT ENGAGEMENT AND ACHIEVEMENT	Mr. Rahul Singh	SOET	INDIA



192	Patent	COMPUTER TO SECURE CONFIDENTIAL INFORMATION WITH BIOMETRIC AUTHENTICATION	Mr. Rahul Singh	SOET	UK
193	Patent	WEARABLE PAYMENT DEVICE WITH CONTACTLESS TECHNOLOGY	Dr. Deepika Chaudhary, Dr. Devkanya Gupta, Dr. Indira Bhardwaj, Dr. Jitin Kumar Ghambir, Dr. Mohd Anas	SOMC	INDIA
194	Patent	AI BASED DISPLAY COMPUTER DEVICE FOR ONLINE LEARNING AND MANAGEMENT	Dr. Indira Bhardwaj	SOMC	UK
195	Patent	RISK PERCEPTION AND PORTFOLIO MANAGEMENT OF EQUITY INVESTORS	Dr. Deepika Chaudhary	SOMC	INDIA
196	Patent	IOT-BASED REAL-TIME ACCIDENT DETECTION AND EMERGENCY RESPONSE SYSTEM WITH AUTOMATED INJURY ASSESSMENT AND AMBULANCE ROUTING	Mr. Rahul Singh, Dr. Yogita Raghav	SOET	INDIA
197	Patent	AI-INTEGRATED INTRUSION DETECTION SYSTEM FOR IOT-ENABLED SMART CITIES	Dr. Surabhi Shanker, Mr. Rahul Singh	SOET	INDIA
198	Patent	ADAPTIVE MULTI-VERSE OPTIMIZATION-BASED SECURE ROUTING ALGORITHM FOR VEHICULAR AD HOC NETWORKS	Mr. Rahul Singh	SOET	INDIA
199	Patent	RECHARGEABLE NEUROSTIMULATION DEVICE	Ms. Barnali Bhattacharjee, Ms. Kangana Juneja	SPRS	UK
200	Patent	ORTHOPAEDIC MEDICAL APPARATUS FOR NON SURGICAL SPINAL DECOMPRESSION	Dr. Sumit Kalra	SPRS	UK
201	Patent	A SYSTEM AND A METHOD TO DETECT FINANCIAL FRAUD USING BEHAVIORAL AND TRANSACTIONAL DATA	Ms. Jonika Lamba	SOMC	INDIA
202	Patent	1. IOT-BASED INFLATION AND PURCHASING POWER MONITOR	Mr. Deepak Kumar, Ms. Rohini Kumari, Dr. Renu Verma	SOHS	INDIA
203	Patent	DEEP LEARNING-BASED SMART AIR QUALITY MANAGEMENT AND PREDICTION SYSTEM	Dr. Shweta Bansal, Mr. Rupesh Kumar Tipu, Ms. Solanki Gupta, Mr. Manish Kumar	SOET	INDIA
204	Patent	AN ANALYSIS OF VARIOUS INVESTMENT AVENUES WITH SPECIAL REFERENCE TO MUTUAL FUNDS	Dr. Sangeeta	SOMC	INDIA



205	Patent	A SYSTEM FOR THE PRODUCTION OF A POLYMER COMPOSITE BASED ON CHITOSAN, MATCHA GREEN TEA AND NICKEL-FERRITE NANOPARTICLES	Dr. Divyanshi Mangla	SBAS	CANADA
206	Patent	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED SYSTEM FOR AUTOMATING EMPLOYEE MANAGEMENT AND WORK INFORMATION IN ORGANIZATIONS	Ms. Vidhi Gaur	SOED	GERMANY
207	Patent	MEDICINAL PLANT TESTING DEVICE FOR ACTIVE COMPONENT IDENTIFICATION	Dr. Meena Bhandari, Prof. (Dr.) Joginder Singh Yadav	SBAS	UK
208	Patent	NEUROPROTECTIVE ACTION OF HORDENINE AGAINST ALUMINIUM CHLORIDE-INDUCED ALZHEIMER'S DISEASE	Mr. Mohit Agrawal, Dr. Narender Yadav	SMAS	INDIA
209	Patent	AN ANDROGRAPHOLIDE BASED NEUROPROTECTIVE FORMULATION AND METHOD FOR MITIGATING ALUMINIUM CHLORIDE-INDUCED NEUROTOXICITY	Dr. Khalid Basir Mir, Mr. Mohit Agrawal, Dr. Narender Yadav	SMAS	INDIA
210	Patent	INVESTMENT AWARENESS IN FINANCIAL ASSET AND PREFERENCE OF FINANCIAL INTERMEDIARIES IN EQUITIES TRADING	Dr. Sangeeta	SOMC	INDIA
211	Patent	THE REUSABLE SHAGUN ENVELOPE	Dr. Ruby Jindal	SBAS	INDIA
212	Patent	MACHINE LEARNING BASED AGRICULTURAL OVERHEAD PESTICIDE SPRAYING DEVICE	Dr. Chandra Mohan, Dr. Prawar	SBAS	INDIA
213	Patent	COMB	Prof. (Dr.) Aman Jatain	SOET	INDIA
214	Patent	BLOCKCHAIN-INTEGRATED SUPPLY CHAIN SYSTEM FOR SUSTAINABLE MANUFACTURING	Dr. Deepak Kaushik	SOET	INDIA
215	Patent	AI- POWERED FISCAL POLICY IMPACT ASSESSMENT DEVICE	Dr. Shikha Dutt Sharma, Mr. Deepak Kumar, Ms. Rohini Kumari, Dr. Renu Verma	SOHS	INDIA
216	Patent	THE RISE OF FINTECH: DISRUPTIVE FINANCIAL TECHNOLOGIES AND THEIR IMPACT ON TRADITIONAL BANKING	Dr. Deepika Chaudhary	SOMC	INDIA
217	Patent	SMART WEARABLE DEVICE FOR REAL-TIME BIOMEDICAL AND ENVIRONMENTAL MONITORING	Dr. Reenu	SOET	INDIA



218	Patent	ADAPTIVE EDGE-AI AND CLOUD FRAMEWORK FOR REAL-TIME ELDERLY HEALTH MONITORING AND EMERGENCY RESPONSE.	Dr. Yogita Raghav	SOET	INDIA
219	Patent	NMR ENABLED CHEMICAL STRUCTURE ANALYZER.	Dr. Farheen	SMAS	INDIA
220	Patent	REAL TIME SOIL ANALYSIS DEVICE	Dr. Gajraj Yadav	SOAS	INDIA
221	Patent	QUANTUM-RESISTANT CRYPTOGRAPHIC SYSTEM AND METHOD FOR SECURE DATA TRANSMISSION	Dr. Pankaj Agarwal	SOET	INDIA
222	Patent	A COMPREHENSIVE ANALYSIS OF CAPITAL STRUCTURE AND WORKING CAPITAL MANAGEMENT IN E-COMMERCE FINANCE	Dr. Deepika Chaudhary	SOMC	INDIA
223	Patent	AN AI-POWERED AUTO-GRADING SYSTEM TO MINIMIZE TEACHER WORKLOAD AND ENHANCE ACADEMIC PERFORMANCE IN HIGHER EDUCATION	Dr. Amit Chawla	SJMC	INDIA
224	Patent	DEVELOPING LEADERSHIP AND MANAGEMENT ACUMEN FOR ORGANIZATIONAL GROWTH	Dr. Sangeeta	SOMC	INDIA
225	Patent	POSTURE RECOGNITION SOFTWARE USING REAL-TIME COMPUTER VISION AND WEARABLE SENSOR FUSION	Ms. Suman ,Dr. Vandna Batra,Dr. Preeti Rathi ,Mr. Manish Kumar	SOET	INDIA
226	Patent	A REAL-TIME AI-POWERED MISSING PERSON DETECTION AND ALERT SYSTEM USING FACIAL RECOGNITION AND CROWDSOURCED DATA	Ms. Suman ,Dr. Vandna Batra,Dr. Preeti Rathi ,Mr. Manish Kumar	SOET	INDIA
227	Patent	AI-BASED INTELLIGENT BLENDED EDUCATION FRAMEWORK WITH REAL-TIME LEARNING PATH OPTIMIZATION AND FEEDBACK ANALYTICS	Ms. Suman ,Dr. Vandna Batra,Dr. Preeti Rathi ,Mr. Manish Kumar	SOET	INDIA
228	Patent	DIGITALKITTY: A SELF-HOSTED, PRIVACY-CENTRIC DIGITAL ASSET MANAGEMENT SYSTEM USING MINIO AND MODERN FULL-STACK ARCHITECTURE	Ms. Suman ,Dr. Vandna Batra,Dr. Preeti Rathi ,Mr. Manish Kumar	SOET	INDIA
229	Patent	SYNERGIZING VEDIC MATHEMATICS AND AI FOR THE OPTIMIZATION OF RENEWABLE ENERGY GRIDS AND SMART INFRASTRUCTURE IN SUSTAINABLE URBAN MOBILITY	Dr. Pankaj Agarwal	SOET	CANADA



230	Patent	PEDAGOGY DEVICE FOR ONLINE TEACHING LEARNING	Ms. Archna Goyal	SOET	UK
231	Patent	IMPACT OF CUSTOMER RELATIONSHIP MANAGEMENT ON CUSTOMER LOYALTY, CUSTOMER RETENTION, AND CUSTOMER PROFITABILITY ON E-COMMERCE STORES	Dr. Manmohan Chaudhry	SOMC	INDIA
232	Patent	AN INTEGRATED FRAMEWORK AND METHOD FOR THE IMPLEMENTATION OF SMART CLASSROOMS POWERED BY ARTIFICIAL INTELLIGENCE AND THE INTERNET OF THINGS	Ms. Rishika Mehta, Ms. Megha Sharma	SOET	INDIA
233	Patent	ITRACONAZOLE BIOAVAILABILITY AND SOLUBILITY ENHANCEMENT BY FORMULATING CO-CRYSTALS LOADED TRANSDERMAL PATCH	Dr. Nitish Yadav	SBAS	INDIA
234	Patent	VIRTUAL REALITY BASED EDUCATIONAL HEADSET	Dr. Yogita Raghav	SOET	UK
235	Patent	FERULIC ACID DERIVATIVES AS DIHYDROFOLATE REDUCTASE INHIBITORS	Ms. Renu Sehrawat	SMAS	INDIA
236	Patent	SYSTEM AND METHOD FOR PERSONALIZED TEACHING AND LEARNING USING ARTIFICIAL INTELLIGENCE	Dr. Aditi	SOHS	INDIA
237	Patent	AI BASED NANOPARTICLE BASED CANCER MEDICATION DEVICE	Dr. Aarti Sangwan	SOET	INDIA
238	Patent	INTEGRATED IOT AND MACHINE LEARNING SYSTEM FOR CLOUD RESOURCE OPTIMIZATION AND REAL-TIME AIR QUALITY MONITORING	Dr. Aarti Sangwan	SOET	INDIA
239	Patent	A METHOD FOR ONE-POT SOLVENT-FREE BALL MILL-ASSISTED SYNTHESIS OF TRIAZOLE-LINKED GLYCOCONJUGATES DIRECTLY FROM GLYCOSYL BROMIDES	Dr. Khalid Basir Mir, Dr. Narender Yadav	SMAS	INDIA
240	Patent	ADVANCED BIOMECHANICAL EXOSKELETON FOR SPORTS AND INDUSTRIAL REHABILITATION APPLICATIONS	Dr. Reenu	SOET	INDIA
241	Patent	VADHYAPAK " AI POWERED VIRTUAL PROFESSOR	Dr. Shweta Bansal, Dr. Ritwik Ghosh	SOET, SJMC	INDIA
242	Patent	IADHYAPAK " AI POWERED LEARNING MANAGEMENT SYSTEM	Dr. Ritwik Ghosh	SJMC	INDIA



243	Patent	SMART ACCOUNT OPENING KIOSK WITH BIOMETRIC VERIFICATION	Dr. Mohammed Nizamuddin ,Mr. Takrar Ahmad Yattoo,Dr. Indira Bhardwaj,Dr. Hamza Naim,Dr. Mohd Rafiq Shah	SOMC	INDIA
244	Patent	BIOMETRIC-ENABLED ATM FOR SECURE TRANSACTIONS	Dr. Nikhat Mushir ,Dr. Manmohan Chaudhry,Dr. Sapna Rana ,Dr. Indira Bhardwaj,Dr. Neeta Bhatla	SOMC	INDIA
245	Patent	MACHINE WASHABLE FABRIC FOR GADDI-INSPIRED WAISTCOAT	Mr. Indrajeet Kumar,Ms. Versha Verma	SOAD	INDIA
246	Patent	A SYSTEM AND METHOD FOR DENGUE FEVER OBSERVATION, DIAGNOSIS, AND PREVENTION POWERED BY ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DEEP LEARNING AND THE INTERNET OF THINGS	Ms. Megha Sharma	SOET	INDIA
247	Patent	LOW-POWER WIRELESS SENSOR NETWORK FOR REMOTE HEALTH MONITORING APPLICATIONS	Dr. Aarti Sangwan	SOET	INDIA
248	Patent	AI-ENHANCED VIRTUAL TUTOR FOR CUSTOMIZED STUDENT LEARNING JOURNEYS	Dr. Sapna Rana	SOMC	INDIA
249	Patent	IOT BASED ELECTRIC HEATING POLYMER COMPOSITE HOT PRESS MACHINE	Dr. Chandra Mohan	SBAS	INDIA



FACULTY IN FOCUS

BEYOND CLASSROOMS: UNDERSTANDING THE ROLE OF IQAC IN SHAPING STUDENT EXPERIENCE.



(Photo Credit- By Ashika Mishra, BA Journalism and Mass Communication)

ABOUT INTERVIEWEE:

Dr. Shikha Dutt Sharma is an Assistant Professor in the School of Liberal Arts at KR Mangalam University, Gurugram, and currently serves as the IQAC Coordinator. A PhD in English Literature from Chaudhary Charan Singh University, Meerut, she is UGC-NET qualified and has over Six years of teaching and research experience. Dr. Sharma has taught at institutions including Swami Vivekanand Institute of Professional Studies and FIMT Kapashera. A published researcher, content writer, and freelance special correspondent for Current Scenario, she is also actively involved in social initiatives focused on women's empowerment.

Universities often refer to the Internal Quality Assurance Cell (IQAC) in meetings, reports, and accreditation discussions. Yet many students remain unaware of its role and how it influences their everyday academic life. In this conversation with the university's IQAC Coordinator, Dr. Shikha Dutt Sharma, we explore how feedback systems, innovative teaching practices, and institutional reforms shape students' experiences both inside and outside the classroom, as well as the challenges faced while implementing quality reforms in higher education.

By **Aditya Raj**, BA Journalism and Mass Communication.



Q: Students often hear the term “IQAC,” but what does it practically mean for our everyday academic life?

A: The Internal Quality Assurance Cell (IQAC) works to improve the overall academic experience of students. It ensures that teaching, learning, and institutional processes maintain high standards of quality. At the university, this includes providing modern infrastructure such as smart panels in classrooms and charging ports so that students can conveniently use their laptops during lectures.

A key responsibility of IQAC is to regularly review and update the curriculum based on feedback from students, parents, and employers. This feedback plays an important role in refining the syllabus and ensuring that academic programs remain relevant and aligned with industry expectations, ultimately preparing students to be more employable.

The cell also promotes innovative and interactive teaching methods while maintaining transparency in the evaluation system. Students are clearly informed about how examinations and assessments are conducted, and they are given opportunities to improve their performance. Participation in co-curricular and extracurricular activities is also encouraged and recognized within the evaluation process.

In addition, IQAC supports experiential learning by encouraging internships, research activities, and collaborations through Memorandums of Understanding (MOUs) with industry and community partners. Through initiatives such as NSS, the Red Cross, and the upcoming NCC program, students are provided with opportunities for social engagement and holistic development.

Most importantly, IQAC recognizes students as key stakeholders in the academic system. Their feedback and representation in academic discussions, including aspects of curriculum design, help ensure that the educational environment continues to evolve according to student needs and expectations.

Q: How does IQAC ensure that teaching quality genuinely improves in classrooms rather than remaining documentation-driven?

A: IQAC ensures that improvements in teaching are reflected in practice through a continuous and comprehensive feedback system. Feedback is collected not only on curriculum and classroom teaching but also on students’ day-to-day academic experiences. This allows the institution to identify issues quickly and make necessary improvements in teaching methods, infrastructure, and student support services.

Institutional quality is also measured through multiple indicators rather than documentation alone. Along with academic performance, equal emphasis is placed on placements, research opportunities, and capacity-building programs that develop communication skills, life skills, and technological awareness among students.

In addition, the university promotes experiential learning through internships, industry collaborations, academic visits, and student participation in conferences and institutional events. By actively involving students in practical learning and industry interaction, IQAC ensures that education goes beyond theoretical instruction and contributes to meaningful academic and professional development.

Q: Can creativity in teaching survive within structured quality frameworks?

A: Yes, creativity can certainly thrive within structured quality frameworks. The institution actively encourages students to share ideas and participate in innovative learning practices. Initiatives such as hackathons, peer-to-peer teaching, and alumni engagement programs provide platforms where students can explore their creativity and collaborate with others.

While quality frameworks help maintain academic standards, they do not restrict creative expression. Instead, they provide a supportive structure within which students can experiment, learn, and develop new ideas. Encouraging creativity and freedom of expression is essential for nurturing well-informed, confident, and industry-ready graduates.

Q: When measuring institutional quality, what truly matters most — grades, placements, research, or student satisfaction?

A: Institutional quality cannot be measured through a single indicator. While academic grades remain important, equal emphasis is placed on placements, research opportunities, and overall student development. The university focuses on capacity-building initiatives that strengthen communication skills, life skills, technological awareness, and other competencies required in the modern professional environment.

To support this, the institution offers value-added courses, open lectures, and experiential learning opportunities that allow students to explore different academic and professional domains. Students are also actively involved in conferences, academic events, industry visits, and internships through collaborations and Memorandums of Understanding (MOUs) with various organizations.

By combining classroom learning with practical exposure and industry interaction, the university aims to ensure that students graduate with not only strong academic results but also the skills and experience needed for real-world success.

**Q: Do student feedback forms actually lead to change?****Can you share an example?**

A: Yes, student feedback plays a significant role in shaping institutional improvements. Over time, several changes on campus have been implemented based on student suggestions. For instance, classrooms have been equipped with interactive panels to enhance the teaching–learning experience, and campus security has been strengthened. The university has also increased the number of food stalls in response to student demand for greater variety.

Beyond infrastructure, feedback has encouraged greater student participation in inter-university competitions, immersion programs, and international exposure opportunities. Recently, students even participated in an academic immersion program in Australia.

Importantly, feedback is not limited to formal feedback forms. The university also gathers input through direct interaction with students, mentor–mentee discussions, and suggestion boxes placed across campus. These multiple channels help ensure that student concerns are heard and addressed effectively.

Q: What role does IQAC play behind the scenes during NAAC accreditation?

A: During the accreditation process conducted by the National Assessment and Accreditation Council (NAAC), the Internal Quality Assurance Cell (IQAC) plays a crucial coordinating role. It ensures that students and stakeholders are well informed about university systems, facilities, and academic processes.

Through orientation programmes, interactive sessions, and awareness initiatives, IQAC prepares students to confidently engage during institutional visits and evaluations. The focus is not merely on preparation for inspections but on building genuine awareness of the opportunities, rights, and responsibilities students have within the university.

IQAC also strengthens participatory governance by encouraging student representation in committees and maintaining a robust feedback system. This feedback is carefully analyzed to improve academic and administrative practices, ensuring that institutional quality is continuously monitored and enhanced.

Q: What resistance or challenges arise while implementing quality reforms?

A: One of the main challenges arises from the diverse background of students, as the university draws learners from both urban and rural areas. Because of this diversity, students may initially find it difficult to understand the purpose of certain academic policies or quality initiatives.

To address this, the university conducts orientation programmes and awareness sessions to help students understand how these reforms contribute to their academic growth and professional readiness. At times, maintaining discipline such as enforcing attendance requirements or managing large student groups can also be challenging.

However, with consistent guidance and communication, students gradually adapt to the system and begin to recognize the long-term benefits of these quality measures.

While IQAC often operates behind the scenes, its influence reaches every aspect of student life from classrooms and curriculum to internships and campus opportunities. The conversation highlights an important reminder: quality in higher education is not created by policies alone, but through the active participation of students, faculty, and institutions working together.



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