

Research Insights @ RUAS

Office of Research and Innovation



November 2025
Issue 7

PATENTS	
JAN-NOV	
Filed	20
Published	3
Granted	12
*Courtesy: OMS patents database	

PUBLICATIONS	
JAN-NOV	
Scopus	406
Total	765
Google Scholar	601
Citations	41246
h-index	69
* Researegence 2.0 reports	

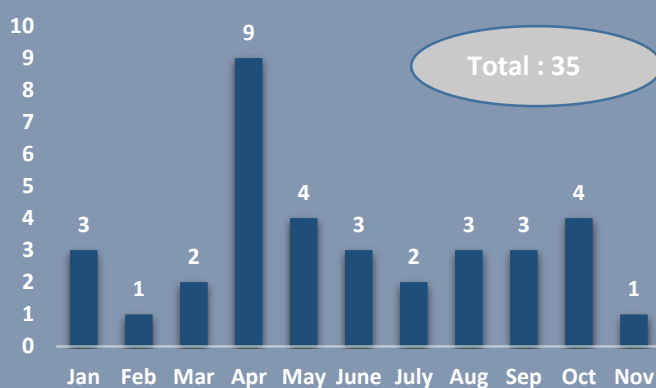
EXTRA-MURAL GRANTS APPLIED				
Faculty	Jan-Oct	In Lakhs	Nov	In Lakhs
RINER	2	50.0	1	22.5
FDS	10	750.24	2	126.3
FLAHS	14	670.34	5	286.7
FNS	5	514.41	4	233.54
RCPT	3	212.61	-	-
ORI	7	601.64	-	-
RMC	10	251.84	-	-
ALC	1	10.00	-	-
FPH	2	69.09	-	-
FHMCT	2	28.97	-	-
SSS	6	543.37	2	148.4
FET	11	819.12	-	-
FMC	5	153.34	-	-

JAN-NOV 2025

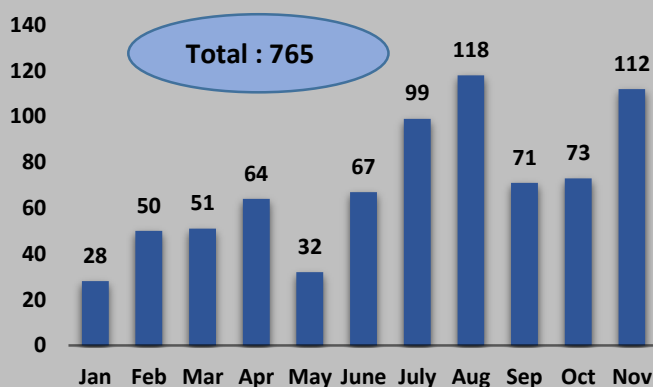


- ☐ Total Patents
- Total Publications
- Grants Applied

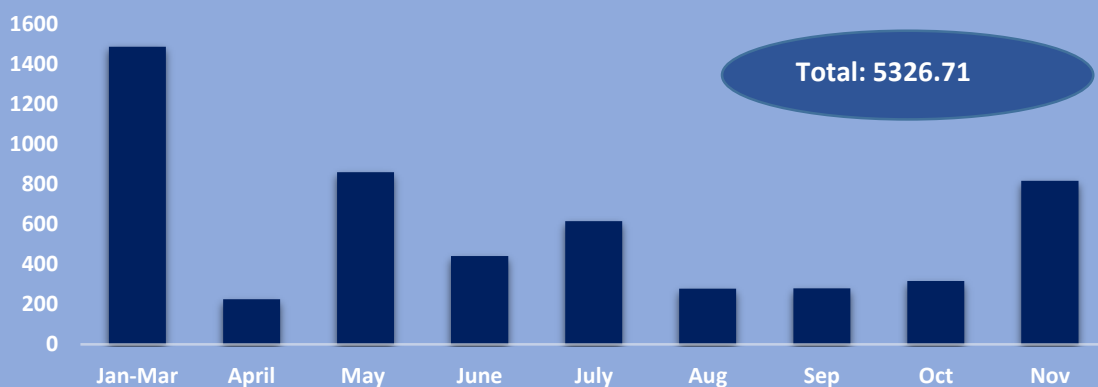
TOTAL PATENTS - 2025



TOTAL PUBLICATIONS - 2025



EXTRA-MURAL GRANTS APPLIED (In Lakhs) - 2025



ACADEMIC EVENTS



RUAS hosted a Pre-Events AI-India Impact Summit 2026 roundtable titled *"Human Capital in the AI Era"* on 28 November 2025 at the RMC Board Room. The discussion brought together experts from academia, industry, and defence to deliberate on skill development, research, national security, and academic transformation in the AI era. The event generated key insights that will contribute to the INDIA AI Impact Summit 2026.

The department successfully organized a Poster Presentation, Exhibition, and Seminar on November 28, 2025, at FIAHS – BT-01, as part of the AI course for FT and BT students. The seminar was delivered by Dr. Syed Muzamil Basha, Senior IEEE Member and Professor, School of Computer Science & Engineering, REVA University, Bengaluru. Students presented posters based on industry-oriented problem statements, applying Design Thinking and AI-based trend analysis (linear regression).



A Demo and Hands-on Session on "3D Scanning" was conducted on November 29, 2025, at A206, RTC – Peenya. The session was led by Mr. Abhishek S., Application Engineer, Focus Nano Technologies, Bengaluru. First-year B.Tech students participated in the session, which was also open to interested faculty members. Multiple time slots were arranged to ensure smooth hands-on experience and engagement.

Dr. T. Niranjana Prabhu, Associate Dean, ORI, RUAS, participated in the Two-Day Leadership Development Programme on "Scaling Ph.D. Excellence", organised by EPSI and hosted by VIT Chennai from 14–15 November 2025. The programme focused on enhancing research governance, improving Ph.D. quality, and strengthening academic leadership.



ACADEMIC EVENTS



Faculty of Management and Commerce
Research Cafe Event - 6

Public Policy Research - Management Discipline Perspectives
Understanding of Policy Evaluation, Social Development Research, and Impact Assessment

Join us for an insightful session with Dr. Ananth S. Panth on "Public Policy Research – Management Discipline Perspectives." With over two decades of experience in rural development, food security, livelihoods, micro-finance, and social inclusion — and extensive roles as an evaluation consultant for projects under NTI Aayog, UNICEF, CSIR, and several social-sector assessments — Dr. Panth brings strong expertise in designing and executing policy research. This session will guide participants on how to conceptualize and develop research proposals in public policy, understand methodological rigor, and apply evidence-based approaches to examine real-world policy outcomes, ultimately strengthening impactful and sustainable research practice.

Saturday, 29 November 2025
10:00 AM - 12:00 PM
Venue: MDP Room, FMC

Register Here
<https://forms.office.com/r/WUsSTJYdYr>

Dr. Ananth S. Panth
Social Development Consultant

The Faculty of Management and Commerce hosted a Research Café session on "Public Policy Research – Management Discipline Perspectives" on 29 November 2025. Dr. Ananth S. Panth delivered the session, offering key insights on policy evaluation, impact assessment, and developing evidence-based research proposals. Students, research scholars, and faculty members actively participated, gaining valuable perspectives on public policy research.



Celebrating 102 Years

INVITATION

Cordially invite you to the Inauguration of Two Days 5th International Workshop 'Computational Tools in Drug Design (CTD2-2025)

Date: 28th & 29th November 2025 Time: 10:00 AM

Karmayogi
Dr. M. S. Ramaiah

The Department of Pharmaceutical Chemistry, Faculty of Pharmacy, organized the 5th International Workshop on "Computational Tools in Drug Design (CTD2-2025)" on 28–29 November 2025. The inauguration was held at Lecture Hall–4, followed by expert sessions and hands-on training covering Molecular Docking, Electrostatic Complementarity, MD & QSAR, COSMO-RS, and integrated CADD approaches in drug discovery and delivery. Eminent speakers from Cresset and Zastra Innovations contributed to the workshop, providing valuable insights into advanced computational techniques in pharmaceutical research.

The Department of Electronics and Communication Engineering organized a two-day hands-on workshop on "Low-Cost Hardware Integration with MATLAB and Simulink" from 27–28 November 2025. The workshop focused on developing affordable embedded hardware solutions and included practical sessions for participants with prior knowledge of MATLAB/Simulink and microcontrollers. A total of 40 seats were offered, and certificates were provided to all participants.



RAMAIAH UNIVERSITY OF APPLIED SCIENCES

Coreel Technologies
Enabling Education

Hands-on Workshop on Low - Cost Hardware Integration with MATLAB and Simulink

Two - day practical workshop covering Arduino integration, Simulink workflows and sensor data handling.

27th November, 2025
10:00 am to 4:30pm

- Low-cost hardware support
- Installing hardware support packages
- Setting up and Configuration of
- Arduino Object in MATLAB
- Logging Data with Arduino Explorer
- Writing Algorithms in
- MATLAB for interacting with
- Hardware
- Act on Data Sensor Data

28th November, 2025
10:00 am to 4:30pm

- Introduction to Arduino Simulink Library Blockset
- Modeling and Interacting with Board Pin
- System Modeling for Hardware Peripheral Interaction
- Demos and Activities
- Other Protocols and Capabilities
- Summary

Speaker : Rakshith B S

MATLAB SIMULINK

ACADEMIC EVENTS



The Faculty of Management and Commerce, M. S. Ramaiah University of Applied Sciences, has been recognized by Higher Education Review as one of the Top 10 Promising Commerce Colleges in Karnataka – 2025. This honour highlights the faculty's adaptability to evolving academic needs and its strong impact on students' professional growth. The achievement reflects the dedication and excellence of our faculty, staff, and students.

The Faculty of Natural Sciences (FNS) and the Faculty of Life and Allied Health Sciences (FLAHS) jointly organized a session of the Nobel Lecture Series 2025 on "Metal-Organic Frameworks (MOFs): The Material, The Chemistry & The Legacy" on 21 November 2025 at A206, RTC, RUAS. The lecture was delivered by Prof. Tapas K. Maji, Professor at the Chemistry and Physics of Materials Unit, JNCASR, Bengaluru. The session highlighted the groundbreaking contributions of MOFs to chemistry and materials science, showcasing their versatile applications across healthcare, engineering, environmental sciences, and advanced materials.

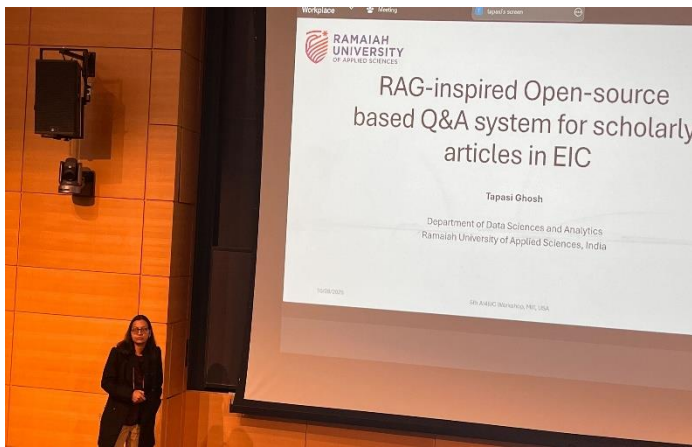
The Faculty of Pharmacy is delighted to share that Mr. Mahasin Khan, PhD Scholar, Department of Pharmaceutical Chemistry, received the Best Oral Presentation Award at the ANRF-sponsored National Conference on "Emerging Trends in Artificial Intelligence and Machine Learning-Driven Drug Discovery" held on 14–15 November 2025 at JSS College of Pharmacy, Ooty.

The Centre for National Security Studies (CNSS) organized a one-day specialised Training Programme on Low-Carbon Building Transition on 26 November 2025, in collaboration with the Global Green Growth Institute (GGGI) and FICCI. Held at the Faculty of Hospitality Management and Catering Technology, the programme brought together experts to discuss key themes such as the Asia Low Carbon Buildings Transition project, India's non-traditional security perspectives, GHG accounting, carbon trading, and green certification frameworks. The event aimed to enhance institutional capacity and strengthen understanding of sustainable, climate-resilient construction practices.



ACADEMIC EVENTS

Arthabodha – RUAS Economics Club conducted an insightful session on *“Creative Destruction: Innovation, Disruption, and the Future of Economic Growth”* by Dr. Ravi Bhandari, noted scholar in Development Economics and the History of Economic Thought. Held on 3rd November 2025 at FMC, the session explored how innovation and disruption reshape industries and societies, driving long-term economic transformation. Students and faculty engaged actively, gaining valuable perspectives on the enduring relevance of “creative destruction” in today’s rapidly evolving economic landscape.



Dr. Tapasi Ghosh, Head & Associate Professor, Department of Data Sciences and Analytics, delivered an insightful talk at the 4th AI4EIC Workshop held at MIT, Boston, in collaboration with IAIFI (27–29 October 2025). She presented her research on reducing language model hallucinations using Retrieval Augmented Generation, titled *“RAG-inspired Open-source based Q&A System for Scholarly Articles in EIC.”*

The Centre for Entrepreneurship (CFE) and The Startup Society (TSS) hosted the fifth edition of Startup Fusion on 5 November 2025 at the GG Campus, celebrating interdisciplinary innovation and student entrepreneurship. Over 30 teams participated across two pitching rounds, with 8 finalists competing in the grand finale.

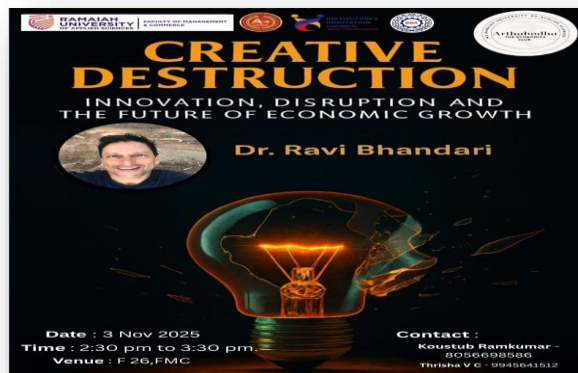
Winners:

- 1.BEDS (FLAHS) – Biosensor-based rapid infection detection device.
- 2.Campus Super-App (FET) – Unified digital platform for student services.
- 3.BioHazz (FLAHS) – Portable device for bacterial contamination detection.



ACADEMIC EVENTS

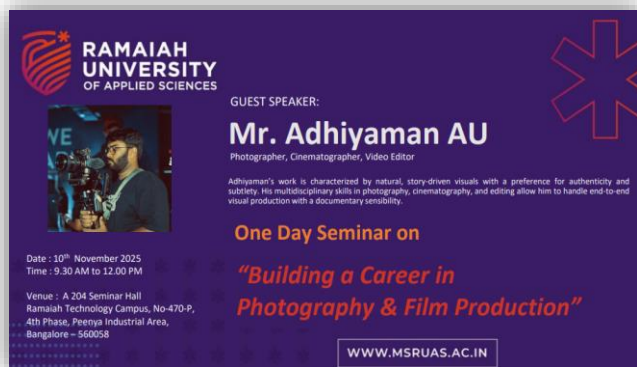
Arthabodha organized an engaging session on “Current Affairs Isn’t Optional; It’s Your Competitive Advantage” by Mr. Sandeep Ohri, strategist and leadership coach. Held on 11 November 2025 at FMC, the session highlighted the importance of staying informed and its impact on decision-making, economic understanding, and career growth. Students actively participated and gained valuable insights.



MoU Signed with Infosys

The Department of Computer Science and Engineering has signed an MoU with Infosys, strengthening industry collaboration and expanding opportunities for students and faculty. A team visit to the Infosys Mysore campus on 13 November 2025 further enhanced this partnership. This collaboration will support continued technical growth and industry-aligned learning.

Ramaiah Technology Campus organized a session on “Mental Health – A Key to Balanced Life”, delivered by Ms. Narcilina, Clinical Psychology Consultant (R&D), NIMHANS, Bengaluru. The session, held on 10 November 2025 at A-206, provided valuable insights on emotional well-being and maintaining balance in daily life. Students and faculty participated actively, making the event both engaging and informative.



The Department of Industrial Design, Faculty of Art and Design, organized a seminar on “Building a Career in Photography & Film Production” on 10 November 2025 at RTC Campus, Peenya. The session provided valuable guidance for aspiring creatives, offering insights into career pathways, industry expectations, and emerging opportunities in photography and film production.

The Duracell R&D team, along with Senior Vice President Mr. Raymond Iveson, visited the GG and RT campuses on 11 November 2025 to discuss a proposed joint collaboration for establishing an R&D laboratory at the RT Campus. The attached MoM provides a summary of the visit, lab tours, and key discussions held.



The Department of Fashion Design, FAD, RUAS has been approved by the AATCC Board of Directors (USA) to establish India's first AATCC Student Chapter in Fashion Design in November 2025.

HIGHLIGHTS/RECOGNITIONS

FACULTY OF PHARMACY



◆ International FDP on Formulation, Research & Development (17–21 November 2025)

Faculty members Dr. M. Mohamed Shabi and Dr. Ashwini Somayaji participated in a 5-Day International FDP on *Formulation, Research & Development using Computational Tools*, conducted by RR College of Pharmacy, Bengaluru. The program strengthened skills in PBPK modelling, ADME prediction, formulation optimization, dissolution analysis, and drug-delivery simulation to support evidence-based drug development.

◆ International FDP on Drug Design, Delivery & Development (11–15 November 2025)

Dr. M. Mohamed Shabi and Dr. Ashwini Somayaji attended an International FDP organized by Galgotias University in collaboration with the University of Cyberjaya (Malaysia) and Equioplone Technologies. The program focused on modern drug-design tools, delivery strategies, and current trends in pharmaceutical development.

◆ UK Design Patent – Portable Triple-Action Ear Cleaning Device (11 November 2025)

A UK Design Registration was awarded for the innovation “*Portable Triple-Action Ear Cleaning Device.*” Inventors: Dr. M. Mohamed Shabi (RUAS), Dr. Monika Prakash (RIT), B.Pharm students of RUAS, and UG students from RIT. The patent was issued by the UK Intellectual Property Office under International Design Classification (IDC) 15-2025.

◆ International Lecture – Therapeutic Potential of Honey (16 November 2025)

Dr. M. Mohamed Shabi delivered the 102nd SPSR International Lecture titled “*Beyond Sweetness: Unlocking the Therapeutic Potential of Honey and Its Derivatives,*” highlighting the medicinal and pharmacological applications of honey.

◆ WBMT Symposium on Cell Therapy (21–22 November 2025)

Dr. M. Mohamed Shabi and Dr. Ashwini Somayaji participated in the WBMT Symposium on Cell Therapy, jointly organized by the Worldwide Network for Blood and Marrow Transplantation (WBMT) and Ramaiah Medical College. The symposium discussed global trends and advances in cell therapy and transplantation.

◆ Faculty Development Programme – Empowering Research with AI (24 November–4 December 2025)

Dr. M. Mohamed Shabi attended the 10-day FDP on *Empowering Research with AI*, organized in collaboration with GGGI, FICCI, and CPD. The program emphasized AI-assisted academic writing, systematic reviews (PRISMA), publication strategies for SCOPUS/WoS, and hands-on experience with LLMs, MLLMs, and argentic AI for research enhancement.

◆ Guest Lecture/Event – Regulatory Operations as a Career (18 October 2025)

Dr. Ashwini Somayaji participated in an informative session on “Regulatory Operations as a Career,” organized by Ethics Pharma Industry–Academy Collaboration (EPIC). The event highlighted emerging career trajectories and skill requirements in regulatory operations.

HIGHLIGHTS/RECOGNITIONS

✦ International Award – Department of Pharmacology (10 October 2025)

A team from the Department of Pharmacology received recognition at the International Virtual Innovation Challenge – ERA Inter-Varsity Innovation Competition 2025 (IVIC 2025) for their innovative concept titled “*Smart Pills: The Future of Personalized Drug Delivery and Real-Time Health Monitoring.*”

Team: Dr. M. Mohamed Shabi, Yuvika Malwal, Rakshitha Naveen, and Meghana Lakkimsetti.

✦ Workshop Participation – Digital Cell Cycle Club (15 October 2025)

Dr. M. Mohamed Shabi participated in the *Digital Cell Cycle Club – October 2025* workshop on “Self-organization of cell cycle function and regulation.” The session featured talks by experts from Stanford University, University College London, King’s College London, and Queen Mary University of London.

✦ Guest Lecture/Event – Regulatory Operations as a Career (18 October 2025)

Dr. M. Mohamed Shabi participated in an industry-focused session on “Regulatory Operations as a Career,” conducted by Ethics Pharma Industry–Academy Collaboration (EPIC). The session provided insights into regulatory pathways and career opportunities in the pharma sector.

✦ Workshop Participation – Digital Cell Cycle Club (15 October 2025)

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✦ Specialized Training – Low-Carbon Building Transition (26 November 2025)

Dr. M. Mohamed Shabi completed a one-day training on *Low-Carbon Building Transition*, organized by CNSS, MSRUAS. The program covered GHG accounting, carbon markets, green steel certification, and sustainability mandates supporting India’s shift towards decarbonised infrastructure.

✦ Workshop on Statistics in Data Science & Machine Learning (29–31 October 2025)

Dr. M. Mohamed Shabi participated in a three-day workshop on “Statistics in Data Science and Machine Learning,” conducted by the Department of Mathematics & Statistics and the Mathematics & Computing Program (CSE), MSRUAS. The workshop focused on statistical methods, data-driven modelling, and foundational machine learning techniques.

Dr. Mamatha G. Hegde, Associate Professor and Head, Department of Fashion Design, received the “Excellence in Academic Leadership and Departmental Management” award at the 9th Edition of the Higher Education Innovation & Technology Summit & Awards 2025. The event was held on 1 November 2025 at Radisson Blu Atria, Bengaluru, and was organized by Plus Nine One Media (Universal Mentors Association). This recognition highlights her outstanding contribution to academic leadership and departmental excellence.



PUBLICATION HIGHLIGHT

Department of CSE: 1. Dr. Jyothi A. P. and Ms. Shaista Tarannum published a research paper in *Applied Computational Intelligence and Soft Computing* (Q1, SCI Journal), Volume 2025, Issue 1. This publication showcases the department's strong contributions in the areas of computational intelligence and soft computing.

2. Dr. B. Prabadevi, published multiple high-impact works under RUAS affiliation:

Research Article (Q2, IF 2.4): *"Deepfakes Detection Using Convolutional Neural Networks"* in *Signal, Image and Video Processing* (July 2025).

Review Article (Q1, IF 6): *"Recent Advancements of ChatGPT and Datafication in Healthcare Applications"* in *Computers in Biology and Medicine* (October 2025).

Book Chapter (Scopus Indexed): *"Adverse Impact of Human Data Science in Pharmacovigilance (HDS-PV) and Their Potential Applications"* published in *Data Science in Pharmaceutical Development* (Wiley).

Nature Scientific Reports (28 November 2025): A research article titled *"Evaluation of Wound Regeneration Potential of Nano-Phytoextracts Loaded Carboxymethyl Chitosan Scaffolds for Diabetic Foot Ulcer"* was published in Scientific Reports (Nature Publisher), Volume 15, Issue 1, Q1, Impact Factor 3.9. Authors: Dr. M. Mohamed Shabi and collaborators from RUAS & RIT.

Dr. S. R. Ashokkumar has published his research article titled *"AI-Based Strategic Decision Framework for Precise E-Commerce Applications and Ensuring Consumer Trust Through Tactical Precision and Decision-Driven Strategies"* in a Q1 journal (Elsevier) with an impressive Impact Factor of 7.9.



PUBLICATION HIGHLIGHT

Dr. Sharmistha Rakshit has published her research article titled *"Analytical Study of Surface Waves Behavior in a Rotating Magneto-Thermoelastic Half-Space Using the Moore–Gibson–Thompson (MGT) Theory"* in the SCIE-indexed Q1 journal *Mechanics of Advanced Materials and Structures* (Taylor & Francis).



We are pleased to announce that Ms. Vineeta Kumari has published her research paper titled *"Tourism on Two Wheels: Stakeholder Engagement and Destination Development in Bicycle Tourism"* in a Q1 journal under Taylor & Francis.



Team ORI

Dr. B. S. Nanda Kumar
Dr. T. Niranjana. Prabhu
Dr. Anu Krishnan
Dr. Sowmya Hegde
Mr. Hari Prasad
Mr. Thulasiram. M. A
Mrs. Mahalakshmi