

# BITScan

## Hyderabad Campus



## Foundation Day Celebrations



Foundation Day Awardees

On 28<sup>th</sup> April, 2025, BITS Pilani Hyderabad Campus celebrated its 19<sup>th</sup> Foundation Day, marking nearly two decades of academic excellence, innovation, and community spirit since its establishment in 2008. The event began with a formal ceremony attended by faculty, staff, students, and alumni, where Prof. Soumyo Mukherjee, Director of the campus, delivered the inaugural address. He highlighted the significant milestones achieved over the years and outlined the vision for the future, emphasizing the campus's commitment to fostering a culture of innovation, research, and holistic development.

The celebrations featured a variety of activities showcasing the diverse talents of the BITSian community, including cultural performances by students and faculty, reflecting the rich cultural heritage of the campus. An exhibition displaying innovative projects and research endeavors underscored the institution's focus on practical learning and cutting-edge research.

The event also recognized the contributions of outstanding faculty members, students, and staff through awards celebrating excellence in teaching, research, leadership, and community service, reinforcing the core values of BITS Pilani Hyderabad Campus. Looking ahead, the campus is focused on continuous growth with plans to enhance

infrastructure, expand research facilities, and introduce new academic programs tailored to meet the evolving demands of students and industry. The 19th Foundation Day was a moment to reflect on the collective efforts that have shaped the campus's journey and to renew the shared commitment to building a brighter future.

The celebrations concluded with a strong sense of pride and optimism, as the entire BITSian community reaffirmed its dedication to excellence and its ongoing contribution to the nation's progress.



Tree Plantation by Chief Guest

# Confluence of Academic Ideas, Intellect, and Information - (Workshops / Conferences / Symposia)

## Department of Biological Sciences

Department of Biological Sciences has conducted an Annual Departmental Conference 'BIO-2K25' where our PhD Students were given an exclusive opportunity to present their research that was held at BITS Pilani Hyderabad Campus during the 04<sup>th</sup> and 05<sup>th</sup> of April 2025.



Group Photo of all Participants

## Department of Civil Engineering

### Research Scholars Day 15<sup>th</sup> Feb 2025

The Department of Civil Engineering celebrated Research Scholars Day to welcome the new research scholars. This event was a perfect opportunity to get to know your fellow researchers, engage with faculty members, and explore the ground breaking research happening across various disciplines within Civil Engineering.



Group Photo session post Scholars Day Celebrations at F-206

### Geo Tech Workshop 22<sup>nd</sup> March 2025

The Symposium on GeoApps 2025 was held on 22<sup>nd</sup> March 2025 at BITS Pilani, Hyderabad Campus, in collaboration with the Indian Geotechnical Society (IGS) Hyderabad Chapter. The event brought together experts, researchers, and students to discuss innovative applications and emerging trends in geotechnical engineering and sustainability. It was attended by Executive Committee members of IGS Hyderabad Chapter and organized by Prof. Anasua Guharay and Dr. Raghuram Ammavajala.



Group Photo

### World Water Day 22<sup>nd</sup> March 2025

World Water Day is celebrated annually on March 22<sup>nd</sup> to raise awareness about the critical importance of water.

## Industrial Day Celebration 05<sup>th</sup> April 2025

The proposed Industry – Academia Joint Workshop aims to bridge theoretical knowledge and practical applications. By fostering collaboration, securing funding, advancing research, and enhancing recruitment opportunities, it seeks to drive economic and technological growth. Such partnerships enable academia and industry to evolve together, addressing future challenges with innovation and expertise.

## Department of Computer Science and Information Systems

### CREx-2025

The 3<sup>rd</sup> Symposium on Computer Science Research Exploration (CREx-2025) was conducted on 5<sup>th</sup> April 2025. The event saw participation from 145 students and researchers from various universities. Notably, several first-degree students actively engaged in poster presentations and interacted with PhD scholars and faculty, making the event highly inclusive and interactive.



Undergraduate and PhD students interact during poster presentations.

## 53<sup>rd</sup> WWRF Conference

As part of the Diamond Jubilee Celebrations, the department – led by Prof. Paresh Saxena in collaboration with the Department of EEE – organized the 53<sup>rd</sup> Wireless World Research Forum (WWRF) Conference from 18-20 February 2025. The conference theme was 'Smart Wireless Systems for Collective Prosperity in a Green Future.' Research papers were presented by Mr. Shashank, Ms. Nida, and Ms. Alekhyaa.



Prof. Paresh Saxena with keynote speakers Dr. Nigel Jefferies, Prof. Matti Latvala-aho, and Dr. Sudhir Dixit.

### Training Program for CRPF (10<sup>th</sup> Batch)

A training program for the 10<sup>th</sup> batch of CRPF personnel was conducted on 22<sup>nd</sup> April 2025, with a focus on introducing key digital and technological tools to aid in field operations and organizational efficiency.



Faculty members with CRPF 10<sup>th</sup> Batch participants during the closing session.

### ICRA 2025 Satellite Event

The department hosted an ICRA 2025 Satellite Event from 20<sup>th</sup>–22<sup>nd</sup> May 2025. The event brought together students and researchers to explore emerging topics in intelligent systems.



Demonstration of robotics prototypes and student exhibits during the event.

### Antarchakshu Workshop

On 15<sup>th</sup> February 2025, Prof. Dipanjan Chakraborty organized an Antarchakshu Workshop as part of the Human-Computer Interaction (HCI) course. Facilitated by two experts from Xavier's Resource Centre for the Visually Challenged (Mumbai), this experiential learning event allowed participants to attempt everyday tasks without using their sight, helping them understand accessibility challenges. A total of 31 students and 5 faculty members participated.

### Department of Chemistry

#### Editorial Workshop and Science of Synthesis Orientation by Thieme Publishers

The Thieme Medical and Scientific Publishers conducted

an Editorial Workshop and a Science of Synthesis (SOS) orientation program on 03<sup>rd</sup> April 2025. The purpose of this program was to familiarize participants with critical editorial processes, best practices, and recent updates related to Science of Synthesis and other chemistry learning resources. The session was led by Dr. Rohit Bhatia, Acquisition Editor for Thieme Chemistry.

### Department of Chemical Engineering Advanced Material Characterisation Workshop

The Department of Chemical Engineering organised a one-day workshop on Advanced Material Characterisation under the DST FIST SSR activity. This workshop provided participants with an in-depth understanding of modern characterisation techniques used in materials science research, including structural, chemical, and mechanical analysis of advanced materials using an Atomic Force Microscope and the Chemisorption process.



Group Photo with the Participants

### ChemE Day 2025

The Association of Chemical Engineers (ACE) organized ChemE Day 2025 to celebrate Chemical Engineering and promote creativity, research, and innovation within the department. The event featured a poster session, quizzes, fun games, and a session on the graphical representation of research.



Inauguration with Chemical HoD from CBIT as a guest.

### World Environment Day

To mark World Environment Day, research scholars of the Department of Chemical Engineering, in collaboration with the Institute Innovation Council (IIC), organized a focused panel discussion on pressing environmental challenges. Topics included carbon capture and utilization, water treatment, plastic pollution, natural materials, and renewable energy solution.



Panel discussion

## Department of Economics & Finance

### 6<sup>th</sup> Annual Conference on Economics and Finance (ACEF)

The Department of Economics and Finance hosted its 6<sup>th</sup> Annual Conference on Economics and Finance from 4<sup>th</sup> to 6<sup>th</sup> February 2025, providing a platform to share research in both theoretical and empirical domains. The event featured keynote addresses by Prof. Prachi Mishra, Prof. Sushanta Mallick, and Prof. Srinivasan Rangan, along with a pre-conference workshop on AI/ML in Economics and Finance, Time Series Econometrics, and Causal Inference. Sponsored by ICSSR and SBI, the conference brought together academics, researchers, and policy makers to discuss recent developments, challenges, and trends in the field, with awards presented for the best PhD papers.



Delegates of the 6<sup>th</sup> Annual Conference on Economics and Finance (ACEF) 2025

### 1<sup>st</sup> Annual International Management Conference (AIMC)

The Department of Economics and Finance, in association with LaboNFC at the University of Quebec at Chicoutimi and the Canada Research Chair in Technology, Sustainability, and Society, hosted the 1<sup>st</sup> Annual International Management Conference on 15<sup>th</sup>–16<sup>th</sup> April 2025 on the theme Business at the Crossroads: Technology, Sustainability, and Society.

The event brought together scholars, industry leaders, and practitioners to discuss strategies integrating sustainability and technological innovation into business models. Keynote speakers included Prof. Myriam Ertz (University of Quebec) and Prof. Murugan Pattusamy (University of Hyderabad). The conference featured presentations and discussions that explored the evolving role of businesses in a technologically advanced and environmentally conscious world.



Delegates of the 1<sup>st</sup> Annual International Management Conference (AIMC) 2025

## Department of Electrical & Electronics Engineering

### WWRF53: Smart Wireless Systems for Collective Prosperity in a Green Future

As part of the Diamond Jubilee Celebrations, the Department of CSIS, led by Prof. Paresh Saxena in collaboration with the Department of EEE, hosted the 53<sup>rd</sup> Wireless World Research Forum (WWRF) Conference from 18<sup>th</sup> to 20<sup>th</sup> February 2025 on the theme Smart Wireless Systems for Collective Prosperity in a Green Future. Research papers were presented by Mr. Shashank, Ms. Nida, and Ms. Alekhy.



Group Photo of the Delegates

### HPC-RISC Fusion: Advancing Architectures, Security, and Testing in Hardware Software Integration

The Department of Electrical and Electronics Engineering hosted a one-day workshop on HPC-RISC Fusion: Advancing Architectures, Security, and Testing in Hardware–Software Integration on 1<sup>st</sup> February 2025. The workshop focused on RISC-V-based architecture and emerging trends in advanced computing, drawing participation from over 80 attendees.



Group Photo of Participants

### Intra-BITS FPGA Hackathon

The Institution's Innovation Council (IIC), in collaboration with the Department of Electrical and Electronics Engineering and the IEEE Student Branch, conducted the Inter-BITS FPGA Hackathon to promote FPGA-based system design, technical skill development, and peer collaboration. The event saw participation from 153 registered students.



Group Photo of Participants

### VLSI TEST 2025

The Department of Electrical and Electronics Engineering hosted a three-day workshop on VLSI TEST 2025 from 18<sup>th</sup> to 20<sup>th</sup> April 2025, covering advanced design-for-test (DFT) methodologies and testing techniques for modern VLSI systems. The program featured sessions on scan-based testing, memory testing, and fault modelling, along with industry talks, career development sessions, hands-on labs, and networking opportunities for participants.

## Department of Humanities & Social Sciences

### Annual Conference of the Association for Commonwealth Literature and Language Studies in India (IACLALS)

The Department of Humanities and Social Sciences hosted the Annual Conference of the Association for Commonwealth Literature and Language Studies in India (IACLALS) from 20<sup>th</sup> to 22<sup>nd</sup> February 2025 on the theme Trauma, Resilience, and Healing: Representations in South Asian Literature and Culture. The three-day event, attended by over 150 participants, featured keynote lectures, paper presentations, book releases, poetry readings, and an art installation.

Keynote addresses were delivered by Prof. Radhika Mohanram (Cardiff University) on 'Complexifying Trauma Theory' and Prof. Kalpana Kannabiran on 'Justice and the Constitution-as-Commons.' The conference also included

addresses by senior faculty and IACLALS office bearers, alongside the release of the Book of Abstracts. Discussions explored intersections of literature, trauma, memory, and justice, offering critical insights into cultural representation and resilience.



Delegates of the IACLALS Annual Conference 2025

## Department of Mathematics

### Mathematics for Machine Learning

The Department of Mathematics organized a 'Mathematics for Machine Learning' workshop from 10<sup>th</sup> to 12<sup>th</sup> April, 2025. Speakers delivered lectures on linear algebra, probability and statistics, optimization, and machine learning. Nearly forty candidates have actively participated.

## Department of Mechanical Engineering

### Space Science Training, NCWAM 2025, and EV Certification Program

The Department of Mechanical Engineering, in collaboration with CRENS, served as a nodal centre for ISRO's START 2025 program from 9<sup>th</sup>-31<sup>st</sup> January 2025, coordinated by Prof. Amrita Priyadarshini, introducing students to key areas of space science and technology.

The department, along with WILP, CRENS, and IIW-India Hyderabad Branch, hosted the National Conference on Challenges in Welding and Additive Manufacturing (NCWAM 2025) on 27<sup>th</sup>-28<sup>th</sup> February 2025, focusing on emerging trends in the field.

A two-day certification program on Electric Vehicle (EV) and Battery Management Systems was held on 15<sup>th</sup>-16<sup>th</sup> February 2025, offering students insights into the EV industry, technological advances, and hands-on design experience.

## Department of Pharmacy

### 8<sup>th</sup> Annual Conference of the Society for the Study of Xenobiotics

The Department of Pharmacy hosted the 8<sup>th</sup> Annual Conference of the Society for the Study of Xenobiotics (SSX) from 23<sup>rd</sup> to 25<sup>th</sup> January 2025 in collaboration with the SSX Society of India. Themed Connecting the Dots in ADMET

Science: From Bench to Bedside, the conference featured keynote talks, young investigator presentations, and poster sessions, with speakers from leading pharmaceutical industries. Discussions covered advancements in ADMET science, new chemical entities, biologics, cell and gene therapy, and natural products. The event concluded with prize distribution for poster winners and felicitation of volunteers.



Group Photo of Delegates and Participants

#### CTPS Diamond Jubilee Conference on Next-Gen Therapeutics in Healthcare

The Departments of Pharmacy from the Hyderabad and Pilani campuses jointly organized the CTPS Diamond Jubilee Conference on 5<sup>th</sup> April 2025 at the Hyderabad Campus on the theme Next-Gen Therapeutics in Healthcare: Biologics Drug Development. The event featured an inaugural address by Prof. R. N. Saha, Chief Scientific Advisor at Biophore Group of Companies and Former Director of BITS Pilani, Dubai Campus. The program included guest lectures by leading industry scientists and a poster presentation session for students, with a panel comprising Dr. R. N. Saha, Dr. Priyaranjan Pattanaik, Dr. KVSN Raju, Ms. Mansi Jakhade, Dr. Murali Jayaraman, Ms. Kajal Bhamhani, and Dr. Navin Reddy, moderated by Prof. Satyanarayan.



Group Photo of Delegates and Participants

#### Department of Physics

##### Science Day 2025 Celebrations

The Departments of Physics, Chemistry, and Biology jointly celebrated Science Day on 28<sup>th</sup> February 2025, featuring poster and model presentations by school students, science stalls, and live experiments conducted with faculty,

PhD scholars, and departmental science clubs. The event included a guest talk and various science-related activities, concluding with a stargazing session led by Mr. Dorje Angchuk, Engineer in Charge at the Indian Astronomical Observatory, Hanle, Ladakh.



Group Photo

#### Physics Stall at Hyderabad Literary Festival 2025

The Department of Physics participated in the Hyderabad Literary Festival on 26<sup>th</sup> January 2025 at Sattva Knowledge City, Hyderabad, showcasing interactive demonstrations on electromagnetic fields, plasma creation, and lightning phenomena. Faculty members and PhD scholars engaged visitors of all ages, making the stall a hub of curiosity and enthusiasm throughout the day.



Group Photo of Participants

#### Apprenticeship Programme for DPS Nacharam Students

A group of 26 Grade 12 students from DPS Nacharam participated in an Apprenticeship Programme at BITS Pilani, Hyderabad Campus on 28<sup>th</sup>–29<sup>th</sup> April 2025, conducting experiments in the Physics and Chemistry laboratories.



DPS Nacharam School Students

## International Conference / Seminar / Workshop

- Prof. Sudipta Maiti gave a Keynote Lecture 'Critical properties of the lipid bilayer probed by fluorescence correlation spectroscopy and its variants' at SPIE Photonics West BIOS Conference, an International Conference at San Francisco, USA on 27<sup>th</sup> January 2025.
- Prof. Sounak Roy gave a lecture 'Factors Influencing Anodic Oxidation Reaction' at Technische Universität München, Germany on 18<sup>th</sup> June 2025.
  - Also gave a lecture 'Advancing CO<sub>2</sub> Valorization: Efforts Towards Net Zero' at National Central University, Taiwan on 22<sup>nd</sup> March 2025.
- Prof. Afkham Mir presented an invited Talk on 'Electrochemical Lithium Recovery from Spent LFP Batteries (Invited Talk) AABBC Conference on Battery Recycling: Advanced Recycling Methods for Sustainable Battery Materials Supply' Mainz, Germany, 24<sup>th</sup>-25<sup>th</sup> June 2025.
- Prof. D Purnima presented a work titled 'Role of biological routes in surface modification of natural fiber and biopolymer' at the 40<sup>th</sup> International Conference of Polymer Processing Society held at University of Auckland, New Zealand, during April 22<sup>nd</sup>-25<sup>th</sup>, 2025.
- Prof. P N Rao presented a paper at the 6<sup>th</sup> International Conference on Environmental geotechnology, recycled Waste Materials and Sustainable Engineering, University of Vigo, Spain from 11<sup>th</sup> June, 2025 to 14<sup>th</sup> June, 2025.
- Prof Mohammed Adil Dar presented the paper 'Web Crippling Analysis of CFS Open Built-up Sections Subjected to Interior One-Flange Loading' at the SSRC Annual Stability Conference, Kentucky International Conference Centre, USA from 2<sup>nd</sup> April 2025 to 4<sup>th</sup> April 2025.
- Prof. G. Geethakumari served as Session Chair for the session on Security and Privacy at the 39<sup>th</sup> International Conference on Information Networking (ICOIN 2025), Chiang Mai, Thailand from 15<sup>th</sup> to 17<sup>th</sup> January, 2025.
- Prof. Rishi Kumar attended the SANDEE Winter School in Research Methods, SANDEE-ICIMOD, from 17<sup>th</sup> to 21<sup>st</sup> February, 2025, in Nepal.
- Prof. Sudha Radhika attended the University Presidents for Peace Conference at Hiroshima University, Japan, from 18<sup>th</sup> to 24<sup>th</sup> March 2025 for research exposure.
- Prof. Nitish Kumar Gupta delivered a talk on 'Experimental Markers for Photonic Stop band Topological Character Identification: Polarization-discriminated Dispersion and Its Applications' at PIERS-2025 (48<sup>th</sup> PIERS Conference) organised by The Electromagnetic Academy, USA, held in Abu Dhabi from 4<sup>th</sup> to 8<sup>th</sup> May 2025.
- Prof. Sudha Radhika delivered a seminar on 'An AI-ML based Adaptive Control approach for Enhancing the Maintenance Free Operating Period (MFOP) of Wind Turbine Generators' as part of the EECS Colloquium Series in the Department of Electrical Engineering and Computer Science at the University of Wyoming, US, from 25<sup>th</sup> to 30<sup>th</sup> May 2025.
- Prof. Spandan Bhattacharya delivered a talk on 'Of Drugs, Dirts and Dystopia: Reading Liminal Figures and the Aesthetics of Slowness in the Contemporary Independent Films from Kolkata' at What is Asian Cinema? organised by the University of Hong Kong, Hong Kong, on 24<sup>th</sup> May 2025.
- Prof. Debajit Bora delivered a talk on 'Carnivalization politics and folk aesthetics: The Bihu world record 'event' in Assam' at Performing Carnival: Ekstasis, Subversions, Metamorphosis organised by the University of Cologne, Germany, from 9<sup>th</sup> to 13<sup>th</sup> May 2025.
- Prof. Lavanya Suresh presented the paper 'A Polycentric Framework to Understand small-scale Irrigation in Andhra Pradesh, India' at the International Association for the Study of the Commons (IASC) Conference held at the University of Massachusetts, Amherst, from 16<sup>th</sup> to 20<sup>th</sup> June 2025.
- Prof. Nirmal J attended the International Conference 'At the 'ARVO Annual meeting 2025' held at Salt Lake City, Utah, USA in May 2025, title Anti-angiogenic potential of the combination of Lisinopril and fen fibrate to treat Diabetic Retinopathy At the CRS Singapore 2025, organized at the National University of Singapore, from 25<sup>th</sup>-30<sup>th</sup> February, 2025. He presented on 'A Novel Hyaluronic Acid-Conjugated NIPAAm In-Situ Hydrogel for Ocular Drug Delivery.'
- Prof. Swati Biswas attended the International Conference. She presented a poster at CRS Singapore 2025: title Connecting Continents in Delivery Science, National University of Singapore, Singapore; from 19<sup>th</sup> to 21<sup>st</sup> Feb, 2025.

■ Prof. Sarmistha Banik presented a paper in the 29<sup>th</sup> International Nuclear Physics Conference (INPC 2025), which took place at Daejeon, South Korea, from 25<sup>th</sup> to 30<sup>th</sup> June, 2025 titled 'NucleiML: A Machine Learning Tool for Finite Nuclei Properties.'

- In addition, was invited to a meeting 'Making Neutron Stars a Laboratory for New Physics' at CERN, Geneva, Switzerland, from 9<sup>th</sup> to 13<sup>th</sup> June, 2025.

■ Prof. Rahul Nigam: delivered a lecture titled 'Black Hole Volume' at Ghent University, Belgium, on 29<sup>th</sup> April, 2025.

■ Prof. Jahanur Hoque: Delivered a seminar on 'Debate on

the Quadrupole Formula in de Sitter' at the Institute of Theoretical Physics, Faculty of Mathematics and Physics, Charles University in Prague on 18<sup>th</sup> March, 2025.

- Attended the International Workshop on Asymptotic Symmetries to Flat Holography, discussing the theoretical aspects and observable consequences at the Galileo Galilei Institute for Theoretical Physics in Florence, Italy, on 30<sup>th</sup> May, 2025.

- Also attended a workshop on 'Mathematical Physics of Gravity and Symmetry' at the École Normale Supérieure de Lyon in France on 23<sup>rd</sup> June, 2025.

## Faculty Awards

■ Prof. Sounak Roy received

- 'Dr. CR Mitra Best Faculty Award' from BITS Pilani on 02<sup>nd</sup> February 2025.

- 'Visiting International Professor Fellowship' from Ruhr- Universität Bochum (RUB), Germany during the month June 2025.

- 'Scientific High-Level (SSHN) Visiting Fellowship' from Institut Français in India / Embassy of France in India on 30<sup>th</sup> May 2025.

■ Prof. Tanmay Chatterjee received 'The Thieme Chemistry Journals Award 2025' from Thieme Group in collaboration with the editorial boards of the Thieme Chemistry journals on 18<sup>th</sup> February 2025.

■ Prof. B.M. Reddy received 'Professor S K Bhattacharya Eminent Scientist Award' which is an Highest Recognition of CSI, from the Catalysis Society of India (CSI) on 26<sup>th</sup> February 2025.

■ Prof. Ramakrishnan Ganesan received 'Best Paper in High Impact Factor Journal (STEM)' from BITS Pilani on 20<sup>th</sup> February 2025.

■ Prof. I Sreedhar received

- Director's Award for the Most Prolific Researcher from BITS Pilani, Hyderabad Campus, March 2025

- Senior Individual Membership in INAE, March 2025

- Editorial Board Membership for the Journal 'Biomass Conversion and Biorefinery' (Springer), March 2025

■ Prof. Arnab Dutta received

- Director's Young Investigator Award from BITS Pilani, Hyderabad Campus, March 2025

- Editor Distinction Award, 2025 (Springer Nature: Scientific Reports)

■ Prof. Apurba received the Best Technical Paper Award, 2025, for the paper titled 'Image Analysis Methods for Grain Size Analysis: An Overview and a Case Study,' in collaboration with New York University.

■ Prof. Chittaranjan Hota received the Best Paper Award from the 53<sup>rd</sup> Wireless World Research Forum (WWRF) on 18<sup>th</sup> February 2025, awarded jointly with Ms. Rashmi for their paper 'One-Class SVM for Anomaly Detection in WBANs: A Path to Energy-Efficient and Sustainable Digital Health,' presented at BITS Hyderabad.

■ Prof. Prajna Upadhyay was accepted to the SIGIR LiveRAG Challenge 2025 for her proposal titled 'DiscorAG: Leveraging Discourse Structures for Improved Chunking in RAG Pipelines.' Her team received USD 1500 in AWS compute credits and USD 750 in Pinecone compute credits for training and indexing their RAG model.

■ Prof. Jabez Christopher received the International Travel Grant (Full Travel Fare Support) from the Anusandhan

National Research Foundation (ANRF) from 7<sup>th</sup> to 9<sup>th</sup> July 2025 for participation in the IEEE Region 10 Symposium (TENSYMP) 2025, held in New Zealand.

- Prof. Akanksha Rathore developed and launched the Restoration Ecology Tool with student Mr. Viswesh Suri in 2025
- Prof. Shreya Biswas received the Director's Research Award from BITS Pilani, Hyderabad Campus on 28<sup>th</sup> February 2025.
- Prof. Ponnalagu RN received the Research Award for Highly Cited Paper under the STEM category (Director's Award) from the Research and Innovation Division, BITS Pilani, on 28<sup>th</sup> February 2025.
- Prof. STP Srinivas participated in the FDP on 'Future Trends in Automation and Smart Mobility' at Vignan's Foundation for Science, Technology & Research, Vadlamudi, Guntur District, Andhra Pradesh, on 31<sup>st</sup> May 2025.
- Prof. Pradyumn Kumar Sahoo became a Member of the International Astronomical Union (IAU) in January 2025.
  - Prof. Pradyumn Kumar Sahoo was appointed as Council Member of the Indian Mathematical Society from 1<sup>st</sup> April 2025.
  - Prof. Pradyumn Kumar Sahoo received the Vice Chancellor's Award for 'Most Consistent Researcher' from BITS Pilani, University.
- Prof. Gujji Murali Mohan Reddy was appointed Associate Editor of Computational and Applied Mathematics (Springer) in February 2025.
- Prof. Manish Kumar received the ISAAC 2025 Travel Grant to attend the 15<sup>th</sup> International ISAAC Congress in Astana, Kazakhstan, on 15<sup>th</sup> April 2025.
- Prof. Sumit Kumar Vishwakarma was appointed Co-PI in a JSPS Project in 2025.
- Prof. Srinivasa Prasad received a grant from the Department of Biotechnology (DBT) in 2025 for the project titled 'Development and Validation of a Sensor-Augmented Pump (SAP) for Glutamate Tracking and Grabbing in Neurological Disorders.'
- Prof. Swati Biswas was nominated for the Advanced Materials Innovation Award by the International Association of Advanced Materials in 2025 for her work in the field of Functional Materials.

- Prof. Swati Biswas was selected for the Scientific High-Level Visiting Fellowships (SSH) program in 2025 by the French Institute in India (IFI) and the Embassy of France in India, receiving funding for a research trip.
- Prof. Swati Biswas received the Director's Award for Best Review Paper at the 2024 Research Awards by BITS Pilani, Hyderabad Campus on 28<sup>th</sup> February 2025.
- Prof. Nirmal J received the International Travel Grant award from the Indian Council of Medical Research - Division of Health Research (ICMR-DHR) in May 2025 to present a poster titled 'Riboflavin-Loaded Ocular Patch to Improve Corneal Cross-Linking Procedure' at the ARVO Annual Meeting 2025.
- Prof. Arti Dhar received a grant from ICMR for her project titled 'Tailored Peptide Therapy: Design, Synthesis, Delivery, and Pharmacological Assessment of Hybrid Peptides Targeting Heart Failure and Cardiac Remodeling' in 2025.
- Prof. Abhijeet Rajendra Joshi received a grant from ICMR in 2025 for his project titled 'Novel Peripherally Restricted Sepia Pterion Reductase (SPR) Inhibitors for the Treatment of Traumatic Nerve Injury (TNI) Associated Neuropathic Pain.'
- Prof. Akash Chaurasiya received the Vice Chancellor's Industrial Impact Award 2024 from Birla Institute of Technology & Science on 28<sup>th</sup> February 2025 (National Science Day).
- Prof. Jayati Ray Dutta received 'Best Paper in High Impact Factor Journal (STEM)' from BITS Pilani on 28<sup>th</sup> February 2025.
- Prof. P. Sankar Ganesh received 'Technological Innovation and Entrepreneurship Award' from Alagappa University, Karaikudi on 15<sup>th</sup> March 2025.
  - Prof. P. Sankar Ganesh received '15 Years of Academic Excellence Award' from BITS Pilani, Hyderabad Campus on 28<sup>th</sup> April 2025.
- Prof. Sudipta Maiti got recognition as 'Elected Chair of the Fluorescence Subgroup, Biophysical Society (USA)' by Biophysical Society, U.S.A.,

## Student Awards/ Achievements

- Ms. Mariya Midhu Francis received Best Oral Presentation Award from Defense Institute of Advanced Technology (DIAT), Pune on 25<sup>th</sup> April, 2025.
- Ms. Anjana Krishnan received Best Poster Award from Defense Institute of Advanced Technology (DIAT), Pune on 25<sup>th</sup> April, 2025.
- Mr. Arshad Ali received the best poster Award for work titled 'Thermal Pyrolysis of Mixed Plastic Waste Using a Tubular Muffle Furnace' from BITS Pilani Hyderabad during Vidwanotsav 2025.
- Anna Mariya Shajan and Boyina Kalyan won the quiz competition at the Eighth National Finite Element Developers' / FEAST Users' Meet (NAFED 08) organized by Vikram Sarabhai Space Centre (VSSC), ISRO, awarded by IIT Hyderabad on 01<sup>st</sup> February, 2025.
- Anna Mariya Shajan won the Best Paper Award titled 'Adaptive Phase-field Fracture Modelling of Functionally Graded Materials' at the 8<sup>th</sup> National Developers'/FEAST Users' Meet (NAFED - 08) conducted by ISRO, awarded by IIT Hyderabad on 01<sup>st</sup> February, 2025.
- Ms. Chaitra C. R. received the ECIR Travel Grant from the European Conference on Information Retrieval (ECIR) in 2025, which included a full registration fee waiver of 330 Euros to attend the 47<sup>th</sup> ECIR Conference in Lucca, Tuscany, Italy, for presenting her accepted paper.
- Ms. Hritika Bhowmick received an internship offer at Microsoft Research India from August 2025 to January 2026. She is a CDRF PhD scholar under Prof. Dipanjan Chakraborty and Prof. Shilpaa Anand, selected for a six-month research internship.
- Mr. S. Shashank won the Second Prize in the Three Minute Thesis (3MT®) Competition at the IEEE Microwaves, Antennas, and Propagation Conference (MAPCON) 2024 for his work titled 'Multiband Jamming Waveform Design for Advanced GNSS Receivers and UAVs.' The event was held at HICC, Hyderabad, and he received a cash prize of 80,000 as the runner-up.
- Ms. Lalitha received an International Travel Grant in 2025 with a maximum sanctioned amount of INR 1.5 lakh.
- Ms. Rasagna received an International Travel Grant in 2025 with a maximum sanctioned amount of INR 1.5 lakh.
- Mr. Anand Agrawal received the Best Paper Award at the MINDS Workshop, COMSNETS 2025 in January 2025 for the paper 'TinyAP: A Smart Access Point to Detect KRACK on WPA2 Handshake in Wi-Fi Using TinyML,' co-authored with Prof. Rajib Ranjan Maiti.
- Ms. Ummuhabeeba Chaliyan, PhD Scholar, received the IWWAGE Fellowship for Young Woman Researcher under 35 from The Institute for What Works to Advance Gender Equality (IWWAGE) and the Indian Society of Labour Economics on 10<sup>th</sup> January 2025.
- Mr Santanu Kumar Dash received the International Travel Grant from BITS Pilani, Hyderabad Campus in 2025 to attend the 15<sup>th</sup> International Conference on Power, Energy, and Electrical Engineering held in Fukuoka, Japan.
- Mr Kartik Vilas Tathe received the Best Paper Award at VNIT, Nagpur in 2025 for the paper presented at 'Indian Knowledge System with Science and Engineering Perspective 2025.'
- Mr Sai Swagat Mishra received the CSIR International Travel Grant in 2025 to attend Theoretical Aspects of Astroparticle Physics, Cosmology and Gravitation conference held at GGI, Florence, Italy.
- Mr Sai Swagat Mishra received an International Travel Grant in 2025 to attend the Quantum Groups, Tensor Categories and Quantum Field Theory conference in Oslo, Norway.
- Team Vulcan (2<sup>nd</sup> and 3<sup>rd</sup> year Mechanical FD students) secured first place in the Sales event at the prestigious BAJA SAE 2025 competition held in Indore. The award was issued by BAJA SAEINDIA on 12<sup>th</sup> January 2025. The team successfully designed, validated, and fabricated their car in-house at the central workshop.
- Mr. Avinash Wadkar received the Best Poster Award from BITS Pilani, Hyderabad Campus on 5<sup>th</sup> April 2025 for winning 2<sup>nd</sup> prize in poster presentation at CTPS 2025 Conference.
- Mrs. Sriganga Padaga received the International Travel Grant Award from Birla Institute of Technology & Science on 19<sup>th</sup> February 2025 for presenting her work at an International Conference.

- Ms. Are Varshini received the DBT Travel Grant from DBT starting 19<sup>th</sup> February 2025 to present her work at CRSingapore 2025: Connecting Continents in Delivery Science, Singapore.
- Ms. Shishira P S received the DBT Travel Grant from DBT on 19<sup>th</sup> February 2025 to present her work at CRSingapore 2025: Connecting Continents in Delivery Science, Singapore.
- Mrs. Sriganga Padaga received the Best Poster Award from CRSingapore 2025 on 21<sup>st</sup> February 2025 for presenting her work at the conference.
- Mr. Prafful P Kothari received the DBT Travel Grant Award from DBT on 14<sup>th</sup> June 2025 to present his work at the CRS 2025 Annual Meeting & Exposition, Philadelphia.
- Mrs. Sriganga Padaga received the Best Poster Award from Marri Laxman Reddy Institute of Pharmacy on 12<sup>th</sup> April 2025 for presenting her research work at Revolutionizing Healthcare through Innovation and Technology.
- Ms. Shridula Sankar was awarded an International Travel Fellowship by BITS Pilani Hyderabad Campus and DBT India in May 2025 to present the poster 'Resveratrol-Embedded Polymeric Patch: A Novel Approach to Treat Keratoconus' at the ARVO Annual Meeting 2025, Salt Lake City, Utah, USA.
- Mr. Velmurugan K was awarded an International Travel Fellowship by DBT India and BITS Pilani Hyderabad Campus in May 2025 to present the poster '3D-Printed Conjunctival Insert for Sustained Delivery of PDE-4 Inhibitor to Treat Anterior Uveitis' at the ARVO Annual Meeting 2025, Salt Lake City, Utah, USA.
- Mr. Manthan Hiremath, Ms. Priyadarshini Sathe, and Prof. Nirmal J received the Research Inspired Student Entrepreneurship (RISE) Award from TBI - BITS Pilani Hyderabad Campus in March 2025 for the business idea pitch 'NatCel: A Solution-Driven Platform Technology to Treat Ocular Infection.'
- Ms. Sai Shreya Cheruvu received the Best Poster Award from CRS Singapore 2025 in February 2025 for her poster titled 'A Novel Hyaluronic Acid-Conjugated NIPAAm In-Situ Hydrogel for Ocular Drug Delivery.'
- Ms. Priyadarshini Sathe received an International Travel Fellowship from DBT India and BITS Pilani Hyderabad Campus in February 2025 to present the poster titled 'Biomimetic Nanomicelles to Enhance Corneal Permeation of Natamycin' at CRS Singapore 2025.
- Mr. Manthan S Hiremath received the Best Poster Award at the 8<sup>th</sup> Annual Conference of the Society for the Study of Xenobiotics (SSX-2025) on 25<sup>th</sup> January 2025 for his poster presentation.
- Mr. Manthan S Hiremath received the Best Poster Award from L V Prasad Eye Institute in January 2025 for presenting a poster at the conference 'Future is Here II: Exploring New Frontiers of Ocular Research.'
- Mr. Raj Savla received the Dr. K. G. Nair Award (First Prize) at the 15<sup>th</sup> International Annual Conference of SAC-ACCP in January 2025 for his pre-clinical poster titled 'Safety Assessment of Corticosteroid-Sparing Agent Administered via the Subconjunctival Route in Rabbit Model.'
- Ms. Kanan Panchal received the First Prize in Oral Presentation at Parul University, Vadodara on 22<sup>nd</sup> March 2025 during the GsBTM-sponsored National Conference on 'Implications of Lyophilization on Biotechnology-derived Products.'
- Ms. Jegadeeswari received the Best Poster Award (3<sup>rd</sup> Place) from Birla Institute of Science & Technology, Hyderabad Campus on 5<sup>th</sup> April 2025 at the 9<sup>th</sup> Diamond Jubilee Conference of CT.
- Ms. Rupal Kothari received the International Travel Grant from Birla Institute of Science & Technology, Hyderabad Campus on 5<sup>th</sup> June 2025 to present her work at an international conference.
- Ms. Bollareddy Srivarsha Reddy received the International Travel Grant from Birla Institute of Science & Technology, Hyderabad Campus on 5<sup>th</sup> June 2025.
- Ms. Geeshma Gopinath received the 'Women in Optics' award from the International School of Photonics, CUSAT on 27<sup>th</sup> February 2025 for presenting her work titled 'Low Reflective Target Ranging with Quantum Advantage' at the National Photonics Symposium (NPS) organized by the International School of Photonics, CUSAT during 27<sup>th</sup>-28<sup>th</sup> February 2025.

- Ms Sreeshna S received the BITS International Travel Grant Award from BITS Pilani, Hyderabad on 14<sup>th</sup> May 2025 for presenting her work at the International Conference 'Quantum Optics XI' in Krakow, Poland.
- Ms. Mariya Midhu Francis received Best Oral Presentation Award from Defense Institute of Advanced Technology (DIAT), Pune on 25<sup>th</sup> April 2025.
- Ms. Manali Chindarkar received First Prize - Poster Presentation from Department of Clinical Nutrition, Amrita Institute of Medical Sciences, Kochi, India, in association with IAPEN on 16<sup>th</sup> March 2025. Awarded First Prize for Poster Presentation among 44 entries at the Conference ASCEND 2025: Amrita Scientific Conference on Evidence-Based Nutrition and Dietetics, in recognition of excellence in academic research.
- Mr. Ravindra Kulal received Best Poster Presentation Award - First Prize in the International Conference on

Science & Technology Integration for Circular Economy (VALORIZATION 2025) conducted by BITS Pilani, Hyderabad Campus on 23<sup>rd</sup> January 2025.

- Mr. Ravindra Kulal received Best Poster Presentation Award – First Prize in the 7<sup>th</sup> International Conference on Bioenergy, Environment and Sustainable Technologies (BEST 2025) conducted by Arunai Engineering College, Tiruvannamalai on 29<sup>th</sup> January 2025.
- Ms. Varsha Sriram received Best Poster Presentation – First Prize in Water Elixir Meet conducted by SRM University, Andhra Pradesh on 27<sup>th</sup> February 2025.
- Ms. Hemapriya S received Best Poster Presentation – First Prize in National Conference on Green Energy Technologies for Sustainability (NCGETS 2025) conducted by Pondicherry University on 20th March 2025.

## Institution's Innovation Council (IIC)

- YEB 2025 (6<sup>th</sup>-11<sup>th</sup> January, 2025): Young Entrepreneurship Bootcamp at BITS Pilani Hyderabad empowered Grades 9-12 students with workshops on technology-driven innovation and sustainability, fostering entrepreneurial skills and innovative thinking.
- Udyamotsav 2025 (16<sup>th</sup> January, 2025): Celebrated on National Startup Day and Week, led by AICTE Chairman Prof. T. G. Sitharam, highlighting India's startup ecosystem and inspiring budding entrepreneurs.
- Launchpad Bangalore Precursor Event (19<sup>th</sup> January, 2025): Hosted at BITS Hyderabad, bringing students, alumni, and industry leaders to discuss sustainability and AI's role in startups through keynotes and panels.
- Kakatiya Development Dialogue (31<sup>st</sup> January – 1<sup>st</sup> February, 2025): E-Cell team participated in entrepreneurial sessions with industry veterans, enhancing understanding and networking for BITS Hyderabad's entrepreneurial ecosystem.
- WebDev Workshop: From Code to Cloud (1<sup>st</sup> February, 2025): Innovation Cell conducted a full-stack workshop

enabling students to build and deploy a weather web app using APIs and cloud platforms.

- International Day of Women and Girls in Science (11<sup>th</sup> February, 2025): IIC organized keynotes, panel discussions, and showcases highlighting women in STEM and women entrepreneurs at BITS Hyderabad.
- C-Odyssey 2025 Hackathon (15<sup>th</sup> February, 2025): 12-hour AI-focused hackathon hosted by I-Cell and IIC, engaging participants to develop AI chatbots for mental health and compete for 8,000 in prizes.
- Workshop on Sustainability (15<sup>th</sup> February, 2025): IIC hosted sessions on climate action and waste management with expert speakers, fostering networking and future research collaborations.
- Workshop on Sales and Marketing for Startups (23<sup>rd</sup> February, 2025): E-Cell event connecting startups, investors, and mentors; covering pitching, business strategies, and legal frameworks.
- IPR Workshop (7<sup>th</sup> March, 2025): National Workshop on Intellectual Property Rights & Commercialization at BITS

Hyderabad focused on IPR concepts, protection, and commercialization.

- Launchpad 2025 & Business Model Canvas Workshop (21<sup>st</sup>-23<sup>rd</sup> March, 2025): Annual E-Summit featuring startup expo, competitions, and talks by leaders like Ankur Warikoo and Aman Gupta.
- Ground Reality Pitch Competition (22<sup>nd</sup>-23<sup>rd</sup> March, 2025): Semi-finals and finals showcased startup ideas; winners included Samsara, Moksh, Nakshatra, and LeafIT.
- TechWeek (12<sup>th</sup>-13<sup>th</sup> April, 2025): Two-day event for students featuring workshops, talks, and hackathon to encourage innovation and practical tech learning.
- IP UTSAV & World Creativity and Innovation Day (21<sup>st</sup> April, 2025): Event promoting creativity and intellectual property awareness, streamed live.
- Patent to Product Workshop (30<sup>th</sup> April, 2025): Guided participants from patenting inventions to market-ready products via online sessions.

- World Intellectual Property Day Seminar (30<sup>th</sup> April, 2025): Seminar on IP policies and music, fostering awareness among academic community at BITS Hyderabad.
- R&I Masterclass 'From Basics to Breakthroughs' (16<sup>th</sup>, May, 2025): Full-day event on research and innovation with experts covering grant writing, IP strategies, and commercialization.
- Bharat Varsity Technical Workshops (1<sup>st</sup>-17<sup>th</sup> June, 2025): Collaboration with E-Cell offering hands-on sessions on AI/ML, Cloud Computing, AWS, and Data Science for 350+ students.
- World Environment Day (5<sup>th</sup> June, 2025): E-Waste & Plastic Waste Collection Drive and panel discussion on environmental solutions, promoting sustainability awareness.
- ICRISAT ITEC Delegation Visit (12<sup>th</sup> June, 2025): Hosted international delegation from 23 countries for research and innovation exchange, enhancing BITS Hyderabad's global collaborations.

## Technology Business Incubator Society (TBIS)

- Orientation Session on 'How to Pitch Your Idea' – Young Entrepreneurs Bootcamp (YEB 2025) (9<sup>th</sup> January, 2025): Dr. Sandeep Raut, General Manager of TBI, conducted an engaging workshop for 150+ student innovators at BITS Pilani Hyderabad. The session focused on crafting effective business pitches, refining ideas, and articulating value propositions with real-world examples and interactive discussions, preparing students for the upcoming Pitching Day.
- Pitching Competition – Young Entrepreneurs Bootcamp (YEB 2025) (11<sup>th</sup> January, 2025): Organized by TBI at BITS Hyderabad, fourteen student teams presented innovative business ideas in sectors like healthtech, sustainability, and agri-tech. Over 200 attendees,

including industry experts and mentors, evaluated the pitches on innovation, feasibility, and market potential, providing valuable feedback to participants.

- TBI & Incubatee Startup Showcase – BITS Pilani WILP Alumni Day (19<sup>th</sup> January, 2025): At the inaugural WILP Alumni Day, TBI hosted a startup showcase featuring incubated and faculty-led ventures such as Atreves, Pyrome, SparshaCare, Tangerine, and Cleome. Alumni engaged with founders, exploring mentorship, funding, and collaboration opportunities, highlighting BITS Hyderabad's thriving entrepreneurial ecosystem.

## Faculty Affairs Division



New Faculty Induction

BITS Pilani Hyderabad Campus organized a Faculty Induction Programme on January 18<sup>th</sup> and 25<sup>th</sup>, 2025, to welcome and orient around 40 new faculty members from diverse disciplines. The one-and-a-half-day programme, led by Director Prof. Soumyo Mukherji and Associate Dean Prof. Anasua Guharay, introduced participants to the institute's vision, academic ecosystem, faculty roles, pedagogical practices, research opportunities, and support services.

Key sessions featured insights from Associate Deans and faculty leads across 25 divisions, clarifying institutional operations and resources. Feedback highlighted the programme's effectiveness in building understanding, connection, and confidence among new faculty, laying a strong foundation for collaboration and academic excellence at BITS Pilani Hyderabad.

## International Programmes and Collaboration Division (IPCD)

- Guest Lecture by Prof. Ratna Babu Chinnam (7<sup>th</sup> January, 2025): IPCD hosted Prof. Ratna Babu Chinnam from Wayne State University, Michigan, USA, who delivered a lecture on 'Advancing Autonomous Monitoring and Prognostics: Novelty Detection and AI Driven Solutions' for faculty and students at BITS Pilani Hyderabad.
- Virtual Interactive Session by Prof. Sriram Sundararajan and Team (10<sup>th</sup> February, 2025): IPCD organized a virtual session featuring Prof. Sriram Sundararajan and his team from Iowa State University. The session introduced the BITS-Iowa Program, addressed student queries, and provided insights into the initiative.
- Visit and Interactive Session with Max Planck Institute Delegates (24<sup>th</sup> March, 2025): Dr. Christiane Haupt and Dr. Poonam Sehgal from Max Planck Institute held an interactive discussion with faculty on research collaborations. They toured Biology Department labs and explored joint research opportunities with BITS Pilani Hyderabad.
- Visit of Prof. Bhajan Lal from Universiti Teknologi PETRONAS, Malaysia (7<sup>th</sup> April, 2025): Prof. Bhajan Lal met with BITS Hyderabad leadership and faculty to discuss collaboration opportunities. He also delivered a talk titled 'A Future Road Map for Decarbonization: Emerging Technologies,' which was well received by faculty and students.

# Alumni Relations Division & Student Alumni Relations Cell

## 2025 Graduands Farewell Party

The 2025 Graduands Farewell Party was held on 17<sup>th</sup> April 2025, celebrating the graduating batch's achievements. The event featured speeches, cultural performances, and reflections by faculty and students. It concluded with a vote of thanks and a casual gathering, leaving lasting memories for all.



Graduands

On 7<sup>th</sup> April, 2025, we hosted delegates from the Federation of Telangana Chambers of Commerce and Industry (FTCCI) to explore potential collaboration opportunities between BITS Pilani and industry partners through FTCCI.



Delegates from FTCCI

## Invited Lectures by Faculty in India

### Department of Chemical Engineering

- Prof. Iyman Abrar presented an invited talk on 'Comparative Evaluation of Nanoparticle-Assisted Waste Cooking Oil and Its Biodiesel Derivative in CI Engines: Performance, Combustion, and Emission Perspectives' at Advancing Sustainability through Chemical Engineering and Nanotechnologies (ASCENT 2025), NIT Warangal, 22<sup>nd</sup> March 2025.

### Department of Chemistry

- Prof. Tanmay Chatterjee gave a lecture 'Green Organic Synthesis: Strategies, Applications, and Its Importance Towards a Sustainable Future' at Meet Your Golden Alumni Program (Workshop) conducted at Suri Vidyasagar College, West Bengal on 13<sup>th</sup> May 2025.
- Prof. B.M. Reddy gave a lecture at The International Conference on Science, Technology and Applications of Rare Earths (ICSTAR 2025) conducted at Sri Venkateswara University, Tirupati, Andhra Pradesh on 22<sup>nd</sup> April 2025.
- Prof. Ramakrishnan Ganesan gave a lecture 'Semiconductor Heterojunctions Exhibiting Dark-Light Dual Mode Photo- disinfection Characteristics' at Defense Institute of Advanced Technology (DIAT), Pune on 25<sup>th</sup> April 2025.

- Gave a talk in online mode, 'Semiconductor-Based Heterojunctions for Continuous Antimicrobial Action in Light and Dark' during an International Conference on Emerging Trends in Material Science and Technology (ICETMT-25) conducted at CMR Institute of Technology, Bengaluru on 19<sup>th</sup> June 2025.

- Invited lecture delivered on the Science Day Celebrations at the 'Bharat Institute of Engineering and Technology' on 27<sup>th</sup> February 2025; from 11.30 to 12.30 noon on 'From Molecules to Materials' organized by Dr. Debasree from the Department of Chemistry, BIET.

### Department of Civil Engineering

- Prof. V. Vinayaka Ram presented paper titled 'Thermal Performance Analysis of Bio-based Phase Change Material Integrated Cool Roof Composite for Passive Cooling in Building' at BITS Pilani, Pilani Campus on 31<sup>st</sup> January 2025.

- Prof. K. Srinivasa Raju

- Delivered invited talk on 'AI and Hydraulic Modelling in Assessing Flood Susceptibility' at BITS Pilani Hyderabad Campus on 22 March 2025.

- Presented invited talk on 'Climate Change Impact

on Sustainable Water Resources Management' at CSIR HRDG-sponsored Workshop on Hydrological Modelling in Climate Change Scenario, SGGS Institute of Engineering and Technology, Nanded (18<sup>th</sup>-22<sup>nd</sup> March, 2025).

- Delivered invited talk on 'Introduction to Climate Change, Formulation of Hydrological Models, and Its Application' at SGGS Institute of Engineering and Technology, Nanded on 21<sup>st</sup> March, 2025.
- Presented invited talk on 'Data-driven Decision-making in Water Resources Engineering' at Online FDP on Applications of MATLAB in Civil Engineering, Electronics & ICT Academy, NIT Warangal on 18<sup>th</sup> February, 2025.
- Delivered invited talk on 'Assessment of Urban Flood Susceptibility: A Machine Learning Framework' at 1<sup>st</sup> International Conference on Sustainable Materials, Methodologies, Technologies and Applications in Engineering (ICS2MT-2K25), CVR College of Engineering, Hyderabad on 24<sup>th</sup> January, 2025.
- Prof. Vasan A delivered invited talks on 'Nature Inspired Optimization Techniques for Flood Management' and 'Sustainable Water Resources Planning and Management using Soft Computing Techniques' at CSIR HRDG-sponsored Workshop on Hydrological Modelling in Climate Change Scenario, Department of Civil Engineering, SGGS Institute of Engineering and Technology, Nanded on 21<sup>st</sup> March, 2025.

## Department of CSIS

- Prof. Dipanjan Chakraborty participated in the 13<sup>th</sup> Microsoft Research India (MSRI) Partner, Alumni, and Community (PAC) Network Meet 2025 on 'Inclusive AI: Empowering Communities through Education, Healthcare & Accessibility' held at Microsoft Research India, Bengaluru on 13<sup>th</sup> February, 2025.
- Prof. Aritra Mukherjee, Prof. Dipanjan Chakraborty, Prof. Prajna Upadhyay participated in Roundtable Discussion on AI for Smart Cities at TGSRTC in June 2025.
- Prof. Akanksha Rathore delivered invited spotlight talk on 'Sensing the Wild: AI Tools for Tracking, Understanding, and Conserving Nature' at Indian Conservation Conference, Wildlife Institute of India (WII), Dehradun on 27<sup>th</sup> June, 2025.

- Prof. Aneesh Chivukula delivered invited talk on 'Indic Foundation Models' at Summer of AI 2025, IIIT Hyderabad and Swecha on 24<sup>th</sup> May, 2025.
  - Poster Co-Chair at High Performance Computing (HiPC) 2025, May 2025.
  - Technical Programme Committee Member at International Conference on Computational Intelligence, Cyber Security and Computational Models (ICC3), May 2025.
  - Reviewer for research proposal on 'Prosocial Adaptation to Transparent Algorithms' at Talent Programme, Dutch Research Council, May 2025.
- Prof. Aziz Ali co-organizer of 3D Computer Vision Summer School (3DVSS) at IIT Jodhpur and IIIT Hyderabad, May 2025.
- Prof. Nikumani Choudhury and Prof. Subhrakanta Panda participated in Roundtable on AI in Healthcare and AI for Smart Cities at T-Hub, Hyderabad in January 2025.
- Prof. Abhijit Das
  - Visit for potential collaboration in robotics at Centre for Robotics, IIIT Hyderabad and T-Hub on 22<sup>nd</sup> January 2025.
  - Visit for potential collaboration at AMD on 23<sup>rd</sup> January 2025.

## Department of Mathematics

- Prof. Pradyumn Kumar Sahoo participated in the Partial Differential Equations: An Application to Optimization Techniques (PDEAOT-2025) held at Khallikote Unitary University, Berhampur, Odisha, from 22<sup>nd</sup>-23<sup>rd</sup> February 2025.
  - Attended the Applications of Mathematical & OR Models for Sustainable Viksit Bharat (ICORSVB 2025) at Parala Maharaja Government Engineering College, Berhampur, Odisha, from 21<sup>st</sup> to 22<sup>nd</sup> February 2025.
  - Participated in the Conference on Cosmology, Astrophysics, and Particle Physics (CCAPP 2025) organized by SRM University, Chennai, from 31<sup>st</sup> January - 02<sup>nd</sup> February 2025.
- Dr. Sumit Kumar Vishwakarma delivered a session on Green's Function in Continuum Mechanics at Gati Shakti Vishwavidyalaya, Vadodara, Gujarat, from 21<sup>st</sup>-25<sup>th</sup> April 2025.

- Conducted a session on Wave Simulation and Numerical Scheme at SR University, Warangal, from 16<sup>th</sup>-17<sup>th</sup> April 2025.

## Department of Humanities & Social Sciences

- Prof. Spandan Bhattacharya delivered lectures titled 'Bengali Cinema at the Crossroads: A Film Culture in Transition' and 'Reading for Pleasure' at IIIT, Hyderabad, and Osmania University on 09<sup>th</sup> April, 2025.
- Prof. T. Vijay Kumar delivered a lecture on 'Who Should Pay for Culture? A Perspective on Literary Festivals' at IIIT Hyderabad on 03<sup>rd</sup> April, 2025.
  - Delivered the Keynote Address for International English Language Day at JBIET, Hyderabad on 23<sup>rd</sup> April, 2025.
  - Participated in a seminar on 'English as a Medium of Instruction and Imparting Spoken English Skills to Students in Government Schools' organised by the Telangana State Education Commission on 05<sup>th</sup> May, 2025.
  - Delivered a talk on 'Reading for Pleasure' to the tribal students of Telangana State at ELTC, Osmania University on 01<sup>st</sup> February, 2025.
  - Participated in a panel discussion on 'The Universality of Literature and Shared Human Experience' organised by the Sahitya Akademi, Delhi, on 09<sup>th</sup> March, 2025.
- Prof. Harsh Mittal delivered a lecture on 'The varied (topological) spatialities shaping smart city policy mobility' at the Centre for Urbanism and Built Environment Studies (CUBES), WITS, on 04<sup>th</sup> March, 2025.
- Prof. Kunaljeet Roy delivered a lecture on 'Researching Perspectives on Nature-Human Interactions' at the Department of Rural Studies, West Bengal State University, on 20<sup>th</sup> June, 2025.
- Prof. Lavanya Suresh delivered a lecture on 'Gender, Climate Change and Livelihoods' at the Tata Institute of Social Sciences, Hyderabad, on 13<sup>th</sup> March, 2025.
  - Conducted sessions on 'Social-Ecological Systems and Institutions' at the National Institute of Advanced Studies (NIAS), Bengaluru, from 28<sup>th</sup> January, 2025 to 30<sup>th</sup> January, 2025.
  - Delivered a talk on 'Policy Perspectives and the Planet' at the Hyderabad Literary Festival (HLF) 2025, Sattva Knowledge City, Hyderabad, on 25<sup>th</sup> January, 2025.

- Prof. Shilpaa Anand delivered a lecture on 'Disability, Modernity and Social Embodiment: Granulating Miles' Bibliographies' at the international conference 'Rethinking South Asian Modernities' organised by the Department of Comparative Literature and India Studies, The English and Foreign Languages University (EFLU), Hyderabad, on 27<sup>th</sup> January, 2025.

- Delivered a lecture on 'Literary Sources as Social Texts and the Case of Historicizing Disability' at the workshop 'Past in the Present: Intersections of the Social and the Historical in Sociological Research' organised by the Department of Sociology, University of Hyderabad, on 30<sup>th</sup> January, 2025.
- Delivered a lecture on 'Disability, Intersectionality and Access: Historical and Conceptual Shifts in Disability Studies in Education' at the annual workshop 'Perspectives on Disability' organised by the School of Education, TISS, Hyderabad, on 24<sup>th</sup> March, 2025.
- Delivered a plenary lecture on 'Aesthetics and Access: Literary and Cultural Studies in the Time of Disability Justice' at the annual conference of the Indian Disability Studies Collective, Cotton University, Guwahati, on 06<sup>th</sup> March, 2025.
- Delivered two lectures titled 'Approaching Literary Texts through the Prism of Disability' and 'Disability in Western Literature' at the Bhawanipur Education Society, Kolkata, on 10<sup>th</sup> April, 2025 and 15<sup>th</sup> April, 2025, respectively.
- Delivered two lectures titled 'Interdisciplinary Research on Disability: Talking Back to Medicine and Psychiatry' and 'Narrative Sources as Historical Material: The Case of Curating Disability Archives' at a workshop organised by the Forum for Contemporary Theory, Baroda, and hosted by The English and Foreign Languages University (EFLU), Hyderabad, on 19<sup>th</sup> May, 2025 and 28<sup>th</sup> May, 2025, respectively.

## Department of Physics

- Prof. Tanay Nag delivered a lecture on Exotic Phases in Non-Hermitian Extended SSH Models at the conference Physics of Non-Equilibrium Systems (CQNS 2025) organised by S. N. Bose National Centre for Basic Sciences, Kolkata, from 25<sup>th</sup> May, 2025 to 27<sup>th</sup> May, 2025.
- Delivered a lecture on Adiabatic Charge Transport in Extended SSH Models at the University of Hyderabad on 25<sup>th</sup> March, 025.

- Prof. Sutapa Roy presented a paper on Critical Surface Adsorption of Binary Liquids at the International Conference on Emerging Trends in Complex Systems, Advanced Materials and Photonics held at Guru Ghasidas Vishwavidyalaya, Bilaspur, from 27<sup>th</sup> February, 2025 to 28<sup>th</sup> February, 2025.
- Presented a paper on Structure Formation in the Presence of Temperature Gradients at the Soft Matter Young Investigators Meet held in Shimla, India, from 18<sup>th</sup> June, 2025 to 20<sup>th</sup> June, 2025.
- Prof. Swastik Bhattacharya delivered a lecture on Symmetries and the Prospects of a Low-Energy Quantum Theory on the Black Hole Horizon at the Workshop on Numerical and Analytical Relativity - 2025 held at the Indian Institute of Technology, Prayagraj, from 07<sup>th</sup> March, 2025 to 09<sup>th</sup> March, 2025.
- Prof. Sashideep Gutti chaired a session on Classical and Quantum Gravity at the 33rd Indian Association of General Relativity and Gravitation (IAGRG) Conference held at BITS Pilani, Pilani Campus, from 02<sup>nd</sup> January, 2025 to 04<sup>th</sup> January, 2025.
- Prof. S. K. Jahanur Hoque presented a paper on On the Energy Flux of Gravitational Waves in de Sitter at the Indian Association of General Relativity and Gravitation (IAGRG) conference held at BITS Pilani, Pilani Campus, from 02<sup>nd</sup> January, 2025 to 04<sup>th</sup> January, 2025.

## Department of Electronics & Electrical Engineering

- Prof. S. K. Masum Nawaz delivered a lecture on Contact Electrification for Energy Harvesting and Self-Powered Sensors at ICCHD-2025 organised by the University of Calcutta and Biswa Bangla Biswavidyalay, Kolkata, from 04<sup>th</sup> January, 2025 to 06<sup>th</sup> January, 2025.
- Prof. Surya Shankar Dan presented his work on Mimicking Somatic Behavior of Neurons Using the Integrate and Fire Model of 2D SnS Memristive Switching Characteristics at the VLSI Design Conference 2025 organised by IEEE and the VLSI Society of India, from 04<sup>th</sup> January, 2025 to 08<sup>th</sup> January, 2025.
- Prof. Ponnalagu R. N. presented a paper on A Novel Approach for Estimating the Diagnostic Information Loss from Fetal PCG Signal during Signal Transmission at SPIN 2025 – 12th International Conference on Signal

Processing and Integrated Networks organised by Amity University, Noida, from 20<sup>th</sup> February, 2025 to 21<sup>st</sup> February, 2025.

- Delivered an invited talk on Sensors, Instrumentation and IoT Systems at the Technical Symposium organised by Alagappa Chettiar Government College of Engineering and Technology, Karaikudi, on 28<sup>th</sup> March, 2025.
- Prof. Mithun Mondal presented a paper on FEM-Based Frequency Response Analysis for Non-Invasive Detection and Localization of Transformer Winding Deformations at the International Conference on Power Engineering for Research Scholars (ICPERS 2025) held at IIT Madras, Chennai, from 24<sup>th</sup> May, 2025 to 25<sup>th</sup> May, 2025.
- Prof. Prashant K. Wali presented a paper on Joint Sum Rate and Fairness Optimization in NOMA Networks Under Minimum Power Gap Constraint at the 5th International Conference on Advanced Computational and Communication Paradigms (ICACCP 2025) organised by the Department of Computer Science, SMIT, and Springer at SMIT, Sikkim, from 06<sup>th</sup> June, 2025 to 08<sup>th</sup> June, 2025.
- Prof. Nitish Kumar Gupta presented a paper on Engineered Ferrell-Berreman Modes in Nanoporous Gold Films at the International Conference on Laser & Other Deposition Techniques 2025 held at IIT Hyderabad from 06<sup>th</sup> March, 2025 to 08<sup>th</sup> March, 2025.

## Department of Pharmacy

- Prof. Swati Biswas delivered an invited talk on Nanoflasks and Flowers: Progress in Nanostructures and Drug Delivery Science for Infectious Diseases at BITS Pilani, Hyderabad Campus, from 23<sup>rd</sup> January, 2025 to 25<sup>th</sup> January, 2025.
  - Delivered an invited talk on Evolving Nanomedicine Architectures: Spheres, Self-Propelled Motors, and Flower-like Crystalline Nanozymes for Cancer and Infectious Disease Therapy at the Indian Institute of Technology Gandhinagar, from 03<sup>rd</sup> July, 2025 to 05<sup>th</sup> July, 2025.
  - Delivered an invited talk on Pharmacy 4.0: Revolutionizing Healthcare through Innovation and Technology at Marri Laxman Reddy Institute of Pharmacy, from 11<sup>th</sup> April, 2025 to 12<sup>th</sup> April, 2025.

- Prof. Nirmal J delivered an invited talk on Empowering Ocular Drugs: A Shift Towards Biomimetic Strategies at L V Prasad Eye Institute on 27<sup>th</sup> January, 2025.

- Delivered an invited talk on Topical Drops to Protect the Eyes from Systemic Drug-Induced Ocular Toxicity at Sankara Nethralaya, Chennai, on 25<sup>th</sup> July, 2025.

### **Department of Economics & Finance**

- Prof. Mini Thomas delivered a talk on Geopolitical Risk and Income Inequality: Evidence from India at BITS Pilani, Hyderabad Campus, on 30<sup>th</sup> January, 2025.

### **Department of Biological Sciences**

- Prof. P. Sankar Ganesh delivered a lecture on 'Recalcitrant pollutants in municipal solid waste landfill leachate and the potential for biological treatment' at Anna University, Trichy on 8<sup>th</sup> January 2025.

- Presented 'Biological treatment of landfill leachate: Trade-off between harnessing clean energy and mitigating water pollution, at Water Elixir Meet, SRM University, Andhra Pradesh on 1<sup>st</sup> March 2025.

- Spoke on 'Roadmap to innovation and entrepreneurship for environment and economic development' at Alagappa University on 14<sup>th</sup> March 2025.

- Delivered two lectures on 20<sup>th</sup> March 2025 at Pondicherry University: 'High Organic Loaded Anaerobic Digestion (HOLAnD®): The Jack of All Trades' during NCGETS 2025, and 'The Novel Integrated Aerobic and Anaerobic (IAAN) Reactor System for Landfill Leachate Valorization' as part of the Alumni Lecture Series at the Centre for Pollution Control and Environmental Engineering.

- Delivered a lecture on 'Recent Trends in Research Advancement & Practical Implementation of Anaerobic Digestion Biorefineries' at the Faculty Development Program, NIT Warangal on 6<sup>th</sup> June 2025.

- Prof. Sudipta Maiti Invited talk on 'Functional perturbations of the membrane using small amphiphiles' at the Mahabaleshwar Seminar, Alibag, Maharashtra on 28<sup>th</sup> February 2025.

- Delivered a talk on 'Label-free Fluorescence Imaging and Sensing with Multiphoton Microscopy' at the

CEFIPRA Indo-French Meeting, Mahindra University, Hyderabad on 12<sup>th</sup> April 2025.

- Prof. Ch. Mohan Rao delivered the 'Yellapragada Subba Rao Memorial Lecture' at Indian Medical Association, Narsapur, Andhra Pradesh on 25<sup>th</sup> January 2025.

- Presented 'Sir CV Raman and Raman Effect' as a National Science Day lecture at Rashtrapathi Nilayam, Hyderabad on 27<sup>th</sup> February 2025.

- Delivered National Science Day lectures at IIT Hyderabad and BITS-Pilani Hyderabad Campus on 28<sup>th</sup> February 2025, including a presentation titled 'Light and Raman.'

- Delivered a National Science Day lecture at Telangana Tribal Welfare Residential Centre, Khammam on 1<sup>st</sup> March 2025.

- Organized and gave a talk at 'Bio2K25' symposium, Dept. of Biological Sciences, BITS Pilani Hyderabad on 4<sup>th</sup>-5<sup>th</sup> March 2025.

- Delivered a lecture 'Connect to Innovate' at the Prime Minister Fellowship Symposium, IIT Hyderabad on 16<sup>th</sup> March 2025.

- Delivered a public lecture 'Conocarpus in Telangana' during an interactive media meeting on 15<sup>th</sup> April 2025.

- Delivered a lecture at the Academic Development Board, NIPER Hyderabad on 8<sup>th</sup> May 2025.

- Delivered a lecture at the National Technology Day event at IICT Hyderabad, presided over by the Governor of Telangana on 11<sup>th</sup> May 2025.

- Delivered a lecture at the Apex Science Board, ISRO Bangalore on 10<sup>th</sup> June 2025.

- Served as a panelist in the Panel Discussion at 'Endocrine-update 2025,' a national conference conducted by Idea Clinics on 13<sup>th</sup> June 2025.

## Sanctioned Projects (SRCD) During January - June 2024

Sl. No	PI-Name	PI-Dept	Co-PI-Name	Co-PI-Dept	Funding Agency	Type of Project	Project Name	Sanc-tioned-Amount (Rs)	Sanc-tioned date	Project Duration (Months)
1.	Abhijeet Rajendra Joshi	Pharmacy	Punna Rao Ravi and Vijay Nimbarthe	Pharmacy	ICMR-2	Govt	Novel peripherally restricted sepiapterin reductase (SPR) inhibitors for the treatment of traumatic nerve injury (TNI) associated neuropathic pain	8802164	07.01.2025	36
2.	Srinivas Appari	Chemical	Satyapaul A Singh and Srikanta Dinda and Pratik N. Sheth and Srinivasa Krishna Swamy	Chemical and Pilani and Goa	SIEMENS Ltd.,	Consultancy	Proof-of-Concept (PoC) Design of CO <sub>2</sub> Hydrogenation to Methanol	2,478,000	20.01.2025	6
3.	I Sreedhar	Satyapaul A Singh	GAIL India Ltd.,		GAIL Pvt Ltd	Industry	Development of scalable and energy efficient technology for moisture resistant CO <sub>2</sub> removal from natural gas turbine flue gas stream for GAIL	2995784	22.01.2025	24
4.	Parikshit Sahatiya	EEE	V Vamsi Krishna Venuganti and Manik Gupta	Pharmacy and CSIS	i-Hub IIT Mandi (DST)	Govt	Wellness Sense: Autonomous System for Smart Preventive Lifestyle Management	3664000	03.01.2025	24
5.	K Bhargav Kumar	Mathematics	T Suman Kumar	Mathematics, University of Hyderabad	NBHM-DAE, GOI	Govt	Study Of Optimal control and its Numeric for the Renewal Equation with Periodic Data	378500	24.01.2025	36
6.	Jayati Ray Dutta	Biological Sciences	Ramakrishnan Ganesan and Naga Jyoti	Chemistry and Medical Centre	ICMR-2	Govt	Establishing an innovative non-invasive in vivo model for Chronic Suppurative Otitis Media and its treatment using hemocompatible carbon quantum dots	6575414	22.01.2025	36
7.	Sumit Kumar Chatterjee	EEE	Supradeepan and Harish V Dixit	Mechanical and EEE	Dhruva Space	Industry	Deployable Antenna Project	2,435,153	01.01.2025	36
8.	Somesh Kumar Mathur	Economics and Finance, IIT, Kanpur	Archana Srivastava	Economics and Finance	IITK-KSS	Consultancy	India and the ASEAN: Partial and General Equilibrium Analysis and its Economy Wide Impact including Carbon Emissions using Structural Gravity and Applied General Equilibrium Models	1010000	16.05.2024	24
9.	Vivekananda Mukherjee	Economics and Finance	Shreya Biswas, Nivedita Sinha	Economics and Finance	ABMPL	Industry	Exploring the optimality of financial planning and insurance: A study on armed forces (officers) veterans (AFVs)	2054850	03.04.2025	12
10.	Srikanta Dinda	Chemical Engineering	NA	NA	Roketsan Pvt	Consultancy	Thermal Cracking of Hydro-carbon-Based Fuels with Reaction Characterization	3,838,168	26.04.2025	24
11.	Sounak Roy and Nor Aishah Saidina Amin, Joongjai Panpranot	Chemistry and ASEAN	NA	NA	ASEAN-India Collaborative - AISTDF (ASEAN-India STI Cooperation)	International	Advanced High Entropy Single Atom Catalysts for Carbon dioxide Utilization	3432384	21.04.2025	24

## Sanctioned Projects (SRCD) During January - June 2024

Sl. No	PI-Name	PI-Dept	Co-PI-Name	Co-PI-Dept	Funding Agency	Type of Project	Project Name	Sanc-tioned-Amount (Rs)	Sanc-tioned date	Project Duration (Months)
12.	Vamsi Krishna Venuganti	Pharmacy	NA	NA	Almora Botanica UK Limited		Development of a menopause model of the skin using keratinocytes and evaluate in vitro efficacy of Almora Botanica's Menocare Vit-D Cream	18100	05.05.2025	24
13.	Barsha Mitra	CSIS	Manik Gupta	CSIS	IndoML 2025 - Conference	International Conference	Conference	165000	19.12.2025	3 days
14.	Neha Tak	EEE	NA	NA	HBL Engineering Limited	Industry	Design of High-Performance Power IGBT Module Using Advanced Simulation Techniques	6068825	14.05.2025	24
15.	Nilanjan Dey	Chemistry	NA	NA	VB Ceramic Consultants (VBCC)	Industry	Surface Modification of Ceramics with Ionic Liquids for Improving Microstructures and Functional Properties	700000	13.05.2025	36
16.	Terumi Touhei.	Mathematics - Japan	Takahiro Saito (Japan), Nao-hiro Sugita (Japan), Sumit Kumar Vishwakarma (India).	Japan and India	NA	International	Construction of an interaction model of randomly distributed small scattering sources focusing on the causality of wave response.	1000000	07.04.2025	36
17.	Swati Alok, Rishi Kumar, P Yogeeshwari	Economics and Finance and Pharmacy	NA	NA	Electronic Arts Games (India) Private Limited		Brush to Business: Empowering Cheriyal Paintings Women Artisans for Enhancing Market Access	507400	16.04.2025	12
18.	Supradeepan	Mechanical	Pavan Kumar P	Mechanical	DRDO CARS	Govt	Combined simulation and machine learning approach to Model the resin flow through a Fibrous Medium in Vartm Process	3232020	24.05.2025	36
19.	Prasanta Kumar Sahu	Civil	Bandhan Bandhu Majumdar, Ishant Sharma	Civil	MAPEX	Industry	MAPEX Metro Access Parking and experience	40000	21.05.2025	12
	Sridhar Raju	Civil	Akshay Gundla	Civil	L & T - Larsen & Toubro	Consultancy	Main Runway & Short Runway Work Order for Core extraction, Testing and Root cause Analysis Report	200000	21.06.2025	3
20.	Jayanty Sub-balakshmi	Chemistry	NA	NA	ANRF-SSY	Govt / Conference	International Conference on Molecular Materials: Trails, Perspectives, and Reminiscences (MolMat:TPR 2025)	350000	03.06.2025	
21.	Paresh Saxena	CSIS			ANRF-SSY	Govt / Conference	53 <sup>rd</sup> Wireless World Research Forum (WWRF).	350000	04.06.2025	
	Abhishek Saha	Chemistry	NA	NA	ANRF PM ECRG	Govt	Cell-Penetrating Peptide-Assisted Intracellular Delivery of Non-Hydrolyzable Homotypic Tetra-Ubiquitin Probes	4403613	12.06.2025	36
22.	Bibhas Roy	Biological Sciences	NA	NA	ANRF PM ECRG	Govt	Impact of age-related tissue stiffness on lung alveolar response to PM2.5 air pollutant: uncovering mechanoregulation in COPD and IPF development	6311520	10.06.2025	36

## Distinguished Talks / Lectures Organized by Departments

Guest Lecture By	Organization	Topic of the Talk	Date
Prof. Jai Prakash Gupta	IIT Kanpur, RGIPT, Raebareli UP	Introduction to Inherently Safer Design	16 <sup>th</sup> January 2025
Mr. Soumitra Purkayastha	Rubamin	Interaction with students	10 <sup>th</sup> February, 2025
Dr. Sriharitha Rowthu	IIT Gandhinagar	Slippery Surfaces for Sanitation and Marine Corrosion	18 <sup>th</sup> March, 2025
Dr. Subhash Kalidindi	University of Delaware	Functional Soft Materials for Environmental and Healthcare Environment	11 <sup>th</sup> April 2025
Prof. Nilanjan Pal	IIPPE Visakhapatnam	Mechanistic Approach Towards Developing a Sustainable Enhanced Oil Recovery (EOR) Technology for the Energy Sector.	19 <sup>th</sup> May 2025
Dr. B.L.V. Prasad	Director CeNS, Bengaluru; Chief Scientist, NCL Pune	Synthetic aspects of nanomaterials	12 <sup>th</sup> June, 2025
Prof. Sunita Dey	Assistant Professor at the University of Aberdeen, UK	Materials Alchemy: Unlocking New Battery Materials through Structural Understanding	20 <sup>th</sup> March, 2025
Prof. Chien-Hsiang Chang	Professor in the Department of Chemical Engineering and Vice Dean of the College of Engineering at National Cheng Kung University, Taiwan	Fabrication of drug delivery carriers from microalgae oils	20 <sup>th</sup> February, 2025
Dr. Pratip Chakraborty	Senior Research Associate, Department of Chemistry, Pharmacy, and Pharmacology, University of East Anglia, Norwich, UK	Effect of Structure, Electron Correlation and Substitution on Ultrafast Photo excited Molecular Dynamics	17 <sup>th</sup> February, 2025
Prof. Tarun Rambha	IISc Bangalore	On the impact of co-optimizing station locations, trip assignment, and charging schedules for electric buses	14 <sup>th</sup> February, 2025
Prof. Sabyasachee Mishra, PhD	Center for Transportation Innovations Education and Research(C-TIER) at the University of Memphis.	Visiting the TRIAL Lab and interacting with research scholars	20 <sup>th</sup> June, 2025
Prof. Rajesh Krishnan	CEO of ITSPE ITS Planners and Engineers	A Short Course on Fundamental of Traffic Engineering	15 <sup>th</sup> February, 2025
Prof. Bibhuti Bhusan Das	NIT, Surathkal	Thermal Energy Storage in Concrete	11 <sup>th</sup> April, 2025
Prof. Prajna Upadhyay	BITS Pilani, Hyderabad Campus (APPCAIR AI Colloquium)	Open Information Extraction with Entity-Focused Constraints	27 <sup>th</sup> January, 2025
Prof. Aude Billard	EPFL Lausanne	Machine Learning for Robotics	21 <sup>st</sup> January, 2025
Prof. Maunendra DeSarkar	Associate Professor, IIT Hyderabad	[Talk under APPCAIR]	10 <sup>th</sup> February, 2025
Dr. Prashant Goswami	Blekinge Institute of Technology, Sweden	Real-time Snow and Cloud Animation in Computer Graphics	12 <sup>th</sup> March, 2025
Prof. Aryan Kaushik	Associate Professor, Manchester Metropolitan University, UK	6G beyond only Communications	08 <sup>th</sup> April, 2025
Prof. Arun Balaji	Professor, IIIT Delhi; Head, Centre of Technology in Policing (MHA, Government of India)	Developing User-Centric Security Mechanisms by Incorporating Entity Behavioral Traits	11 <sup>th</sup> April, 2025
Prof. Sridhar Adepu	Swansea University, UK	Cyber and Future Cyber Threats in Industrial Control Systems Security	11 <sup>th</sup> April, 2025
Prof. Manohar Swaminathan	Microsoft Research	Ludic Design for Accessibility in the Global South	15 <sup>th</sup> April, 2025
Prof. Srijit Mishra	School of Economics, University of Hyderabad	Multidimensional Index and Information Loss	16 <sup>th</sup> January, 2025
Dr. Janani Rangan	National Council of Applied Economic Research (NCAER)	Macroeconomic shocks and business inflation expectations	01 <sup>st</sup> March, 2025
Prof. Karthikeya Naraparaju	Indian Institute of Management, Indore	Poverty, Inequality, and Working Hours: Evidence on Veblen Effects from Labour Markets in India	11 <sup>th</sup> April, 2025
Prof. Stephane Mechoulan	Faculty of Management at Dalhousie University, Canada	From Schmattes to Riches: Inter generational Mobility of American Jewish Immigrants in the Interbellum	26 <sup>th</sup> June, 2025
Prof. Aude Billard	School of Engineering, EPFL, Lausanne, Switzerland	Robotics and Machine Learning	22 <sup>nd</sup> January, 2025
Prof. Saurav Prakash	Assistant Professor, Dept. of EE, IIT Madras	Efficient Solutions for Machine Learning at the Edge	18 <sup>th</sup> March, 2025
Prof. Bhaskar Lama	University of Hyderabad	Contemporary Indian Queer Writings: Spatiality and Subjectivity	13 <sup>th</sup> March, 2025
Prof. Hrishikesh Ingle	The English and Foreign Languages University	Aspirations of a New Wave in 'Contemporary Marathi Cinema'	20 <sup>th</sup> March, 2025
Ms. Afshan D'souza-Lodhi	Writer	Radical Poetic Practice	27 <sup>th</sup> January, 2025
Ms. Sheena Patel	Author	I'm a Fan: Writing Fiction	28 <sup>th</sup> January, 2025
Mr. Yunus Lasania	Journalist	Writing for Media: Storytelling and Cities	17 <sup>th</sup> February, 2025
Prof. Pramod Nayar	University of Hyderabad	Icy Poetics: The Poetry of Glaciers in the Age of Climate Emergency	22 <sup>nd</sup> March, 2025
Prof. Terumi Touhei	Tokyo University of Science	student interaction session on How mathematics serves as the blueprint behind engineering breakthroughs	20 <sup>th</sup> January, 2025
Dr. Prashant Garg	Executive Chair, L V Prasad Eye Institute	Ocular Infections	12 <sup>th</sup> June, 2025
Dr. Arojit Mitra and Dr. Viraj Mehta,	Sai Life Sciences	Illuminating drug behavior: Integrating electrophysiology and imaging in the DMPKT ecosystem; Integrating complex in vitro models (CIVMS) in drug discovery	23 <sup>rd</sup> January, 2025

Guest Lecture By	Organization	Topic of the Talk	Date
Dr. Eshani Nandita Galermo, Dr. Radha Krishnan Srinivas	Senior Global LeadPharma/Biopharma Quant, SCIEX; Business Manager, Clinical & BDM, LSA/Gx, Beckman Coulter Life Sciences.'	Transforming the ADMET Landscape with Danaher Solutions	23 <sup>rd</sup> January, 2025
Dr. Shailesh Dudhgaonkar	Director, BMS	Pharmacology of Afimetoran, A Highly selective TLR7/8 Dual antagonist.	23 <sup>rd</sup> January, 2025
Dr. Kaushik Mitra,	Distinguished Scientist – Drug Metabolism and Pharmacokinetics, Janssen Research and Development, Johnson & Johnson	Mitigation Strategies for Drug-Induced Liver Injury (DILI) – Still an Unfulfilled Aspiration?	23 <sup>rd</sup> January, 2025
Dr. Sagnik Chatterjee	Associate Principal Scientist, AstraZeneca	Role of BSEP in DILI- current progress and future directions	23 <sup>rd</sup> January, 2025
Dr. Raju Subramanian	Executive Director, Gilead	Metabolite GS-441524, the Bind that Ties Remdesivir and Obeldesivir: Same, Similar or Different?	January 23rd 2025
Dr. Prakash Vachaspati and Dr. Rama Sivasubramanian'	Syngene	Challenges and Opportunities with Prodrug Discovery: A Syngene Perspective	23 <sup>rd</sup> January, 2025
Dr. Narasimhan Mani	President and Co-CEO, Scienture	Specialty Pharmaceuticals – Reinventing molecules through innovative technology to empower comprehensive, efficient treatment options for patients, physicians, and the healthcare system	23 <sup>rd</sup> January, 2025
Prof.V. Addepalli	Director, Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research	Pharmacovigilance: Present Perspective and Future Prospects	23 <sup>rd</sup> January, 2025
Dr. Radha Rangarajan	Director, CSIR-CDRI, Lucknow	A comprehensive approach to addressing Antimicrobial Resistance(AMR)	24 <sup>th</sup> January, 2025
Dr. Ravikumar Trivedi	Vice President, BA-DMPK, Zydus	The Qualitative and quantitative determination of Antibody Drug Conjugates (ADC) using Mass Spectrometry and determination of Pharmacokinetics'	24 <sup>th</sup> January, 2025
Dr. Pratima Srivastava	Vice President, Aragen Life Sciences	Druggability Strategies for Antisense oligos (ASO)/ Antibody-Oligonucleotide Conjugates (AOCs) and Antibody-drug Conjugates (ADC) drugs	24 <sup>th</sup> January, 2025
Prof. Smita Pattnaik	Clinical Pharmacology, PGIMER, Chandigarh	Rituximab: A Clinical Odessey from Molecular Breakthrough to Redefining Treatment Paradigms	24 <sup>th</sup> January, 025
Dr. Dhananjay Bakhle	CEO Medrenova	Engineering Hope: Unlocking the Full Potential of Cell & gene therapy in the form of CAR-T	24 <sup>th</sup> January, 2025
Dr. Indumathi Mariappan	Research Scientist, LVPEI	Cell-based Therapeutics for Inherited Ocular Disorders	24 <sup>th</sup> January, 2025
Dr. Arkasubhra Ghosh,	Director, GROW Lab, Narayana Nethralaya, Bangalore	Gene Therapy for inherited diseases: solutions for India	24 <sup>th</sup> January, 2025
Dr. Renu Jain	Senior Vice President, Avesthagen	Personalized Nutrition: Transforming Healthcare and Well-Being through Nutraceuticals and Nutrigenomics	25 <sup>th</sup> January, 2025
Prof. G Gangadharan	Ayurvedacharya	A perspective on ADMET Sciences and its applicability in Ayurveda	25 <sup>th</sup> January, 2025
Prof. P.R. Deepa	Department of Biological Sciences, BITS-Pilani, Pilani campus	Bioactives beyond their 'Natural' matrix: Insights from in silico and in vitro Pharmacological Evaluations	25 <sup>th</sup> January, 2025
Dr. Kirti V. Patel	Associate Professor, Department of Pharmacy, MSU Baroda	Integrating Network Pharmacology and Preclinical Studies in Drug Discovery and Development from Natural Resources	25 <sup>th</sup> January, 2025
Dr. Priyaranjan Pattanaik	Aurigene, Industry	Antibody Drug Conjugates: Avenues of research in 2025 and beyond.	5 <sup>th</sup> April, 2025
Dr. KVSN Raju	DRDL Company	Non-clinical development of Biosimilars: Current regulatory landscape	5 <sup>th</sup> April, 2025
Dr. Ms. Mansi Jakhade	DRDL, Company	Next-Generation Treatments: Decoding bioanalysis of Mabs, ADCs, Bispecific Antibodies, and CAR-T therapeutics.	5 <sup>th</sup> April, 2025
Dr. Murali Jayaraman	DRDL	Overview of high-concentration protein formulation development	5 <sup>th</sup> April, 2025
Dr. Navin Reddy	DRDL	Overview of clinical research and development	5 <sup>th</sup> April, 2025
Prof. Raj Thakur	Professor, Queen's University Belfast & Founder, Re-Vana Therapeutics	Innovations in Sustained Release Biologics to Address Unmet Needs in Treating Ocular Diseases	3 <sup>rd</sup> February, 2025
Prof. Omathanu (Om) Perumal,	Associate Vice President for Research, University of New Mexico	If the Why is Clear, the How is Easy – Strengths-Based Professional Development	22 <sup>nd</sup> March, 2025
Dr. Madhurima Choudhury	Brown University, USA	Deciphering the Epoch of Reionization with the HI 21-cm Signal and Machine Learning	7 <sup>th</sup> January, 2025

Guest Lecture By	Organization	Topic of the Talk	Date
Dr. Debraj Das	Quantitative Life Sciences (QLS) section, ICTP Trieste, Italy	First-Passage Processes: Martingales and Defects	31 <sup>st</sup> January 2025
Prof P. B. Sunil Kumar	Department of Physics & Centre for Soft and Biological Matter, IIT Madras	Dynamics of Active Polymers: Emergent Behavior and Response to External Flow	20 <sup>th</sup> February 2025
Dr. Atanu Rajak	IIT Hyderabad	Prethermalization and dynamics of fluctuation correlation in a system of coupled kicked rotors	14 <sup>th</sup> March 2025
Prof. Mayank N. Vahia	Former Professor, Tata Institute of Fundamental Research (TIFR), Mumbai	Science in Ancient India - An evaluation of the claims	19 <sup>th</sup> March 2025
Dr. G Rajalakshmi	Tata Institute of Fundamental Research, Hyderabad,	Quantum Sensors: Leveraging Atom-Light Interactions for High-Precision Magnetic Field Detection	3 <sup>rd</sup> April 2025

## Students Events

### Verba Maximus '25: Echoes of Eden

On January 25<sup>th</sup> and 26<sup>th</sup>, the campus was immersed in the literary realm of Echoes of Eden as it hosted the 13<sup>th</sup> edition of its annual literary festival - Verba Maximus. Organised by the English Language Activities Society (ELAS), this year's theme invited participants to draw inspiration from the roots of creativity and curiosity, sparking a vibrant celebration of language and culture. Brought to life through a diverse lineup of 19 events, including favourites like Sherlocked, A.R.G, Shipwrecked, Devil's Advocate and JAM, the fest drew enthusiastic participation from schools and universities across the region. Adding to the excitement, this year's comedy night was headlined by stand-up comedian Sahil Shah, delivering an evening full of laughter. Additionally, Godavari Kalamanjari hosted an interactive session with acclaimed contemporary lyricist Mr. Bharadwaj Gali, who offered a lens into storytelling through music. Echoing the spirit of Eden through its celebration of the enduring power of storytelling, Verba Maximus proved once again why it remains one of the most anticipated literary festivals in the regional student circuit.



Participants in Speed-Poetry Contest



Organizing Committee for A.R.G Rhyme Rodeo

### Arena '25: Glory Awaits

From 6<sup>th</sup> to 9<sup>th</sup> February 2025, our campus transformed into a battlefield of passion, resilience, and unrelenting energy

with the latest edition of our annual sports fest Arena '25. Inspired by the gladiator's spirit, this year's fest brought together athletes from across the country to compete in over 20 sports, including football, basketball, squash, tennis, and volleyball. The four days were filled with electrifying matches and thunderous cheers as students cheered passionately for their teams. Alongside the fierce battles, attendees enjoyed various activities such as face painting, twisted tambola, and street cricket, adding a fun and engaging atmosphere for everyone involved. A major highlight was the basketball finals, which showcased intense action and raw emotions. Both the women's and men's basketball teams emerged as champions, delivering a memorable double victory that energized the crowd and demonstrated exceptional skill and teamwork. Arena'25 truly embodied the spirit of competition and camaraderie, setting the stage for even greater challenges and celebrations in the years to come.



BPHC Basket Ball Team (Boys)

### Pearl '25: Fiesta del Sol

From March 28<sup>th</sup> to 30<sup>th</sup>, our campus was ablaze with the vibrant spirit of Fiesta del Sol as it hosted the one of the most anticipated cultural festivals of South India, Pearl.

The festivities began with a grand inauguration ceremony, graced by Chief Guest Dr. Malini Divakala, Director of NIFT Hyderabad, followed by a dynamic showcase from the

campus's cultural clubs, whose spirited performances ignited anticipation for the days ahead. This year's edition took inspiration from the brilliance of the sun to celebrate artistic expression in all its radiance. It featured a vibrant mix of events spanning quizzes, music, theatre, fashion, and film, including fan-favourite headliners Nukkad Natak, Glitterati, Kaleidoscope, and Till Deaf Do We Part.

Additionally, BITS Embryo curated a stellar speaker series featuring content creator Niharika NM, renowned filmmaker Rakeysh Omprakash Mehra (director of Bhaag Milkha Bhaag) and more! The fest also offered a diverse lineup of pro-shows: a comedy night with stand-up sets by Vivek Samtani and Nirmal Pillai, and standout performances by the dreamlike Shilpa Rao, Bollywood legends Salim-Sulaiman and rap icon Raftaar who brought the festival to a roaring close with his high-octane energy.



Pearl 2025



## Finnovate '25

This year's edition of our annual financial fest, Finnovate, witnessed a dynamic convergence of innovation, intellect and strategy. Organised by the Economics Association and Traders@BPHC from 15<sup>th</sup>-16<sup>th</sup> March, the fest offered a comprehensive exploration of the financial world through a curated lineup of events. With high-stakes competitions like the Pit Trading Simulation, FinTech AI Hackathon and Trick of Trade, and engaging events like escape rooms and auctions, Finnovate'25 catered to a diverse group. The fest was capped off sessions with industry experts - an inspiring keynote address by Mr. Subba Perepa, Managing Director & CTO at JPMC, and a professional workshop on enterprise and financial risk management with Proventures India. Drawing wide participation along with an appealing prize pool of over 75,000 the fest provided one of the best platforms for aspiring economists, strategists and FinTech enthusiasts.

## Ignite'25 - Nirmaan

Hosted from 14<sup>th</sup> to 16<sup>th</sup> March, Ignite '25 transformed the campus into a hub of impact, inspiration, and unforgettable moments. Organised by the BPHC Student Chapter of NIRMAAN over the course of three vibrant days, the festival brought together 200 underprivileged children from various orphanages, along with passionate volunteers and changemakers for a celebration of learning, creativity, and joy. The inaugural session was graced by the presence of former DRDO Chairman Shri G. Sateesh Reddy and renowned child rights activist Dr. Mamatha Raghuvir Achanta, whose words of inspiration resonated deeply with the young participants. Designed to ignite young minds, this annual event featured a diverse range of activities, from educational sessions and interactive activities to spirited competitions and exciting cultural performances. Ignite'25 truly reinforced its message of the power of compassion and collaboration, leaving an indelible mark on every young mind it touched.

## Vidwanotsav 2025

Vidwanotsav 2025 at BITS Pilani, Hyderabad Campus, held from 07<sup>th</sup> to 12<sup>th</sup> July 2025, was a vibrant showcase of academic brilliance, technological innovation, and cultural talent. The inauguration on 07 July, graced by Mr. VC Cheemalakonda, Vice President of Engineering, Insight Software, set the tone for an eventful week.

Highlights included Poster Presentations, a first-ever Hardware Expo, and a 3D Printing Workshop on 08 July. The Sports Fest on 09<sup>th</sup>-10<sup>th</sup> July featured exciting matches, with new additions like Women's Cricket and Kho Kho for both men and women. The Cultural Fest on 11<sup>th</sup> – 12<sup>th</sup> July concluded the celebrations with captivating performances, culminating in a grand closing ceremony. From groundbreaking innovations to spirited competitions, Vidwanotsav 2025 was a resounding success, reflecting the creativity and energy of the campus community.



Inaugural Ceremony Proceedings

# Community Welfare Activities

## New year Celebrations:

The New Year celebrations at BITS Pilani Hyderabad Campus were held on 3<sup>rd</sup> January 2025, featuring a vibrant gala dinner and cultural events. The program included an art and craft exhibition themed 'Colours of Joy,' showcasing the creativity of community members. Stalls selling handmade products and snacks were set up in the auditorium foyer, adding to the festive atmosphere.

The event saw enthusiastic participation from around 1,200 attendees and was graced by esteemed dignitaries including Vice Chancellor Prof. Ramgopal Rao, Director Prof. Soumyo Mukherji, Director of Off-Campus Programmes Prof. Sundar, and Dean Administration Prof. Yogeeshwari. The celebrations provided a joyful start to the year, fostering community spirit and togetherness.



Cultural Performance during New Year Celebrations



Colours of Joy - Art and Craft Exhibition

## Republic Day Celebrations

BITS Pilani Hyderabad Campus celebrated the 76<sup>th</sup> Republic Day on 26<sup>th</sup> January 2025 with great enthusiasm. The day began with a 2.5k and 5k run organized by the Student Welfare Department, involving students, faculty, staff, and their families. Prof. Soumyo Mukherji, Director of the campus, hoisted the National Flag, followed by patriotic songs and dance performances by the Swaranjali student team. Organized by the Community Welfare Unit, the event concluded with prize distribution for the run winners and sweets shared among all attendees, fostering a strong sense of patriotism and community spirit.

## World Cancer Day

On 4<sup>th</sup> February, 2025, from medical center on the occasion of world cancer day an awareness talk (Lets be aware)

was conducted and the speakers were Dr. Radhika and Dr. Azhar

## International Women's Day 2025 Celebrations

BITS Pilani Hyderabad Campus celebrated International Women's Day 2025 from 8<sup>th</sup> to 10<sup>th</sup> March, 2025 embracing the theme 'Accelerate Action' with a variety of events focused on empowerment and equality. The celebrations began with a breakfast meet that included a menstrual hygiene session by Dr. Chandrakala for the daughters of housekeeping and outsourced staff, creating a supportive space for learning and dialogue. A community nature walk to the Urban Forest Park fostered well-being and connection among participants.

An awareness session on workplace sexual harassment, led by Prof. Rekha Pappu from TISS Hyderabad, was conducted for faculty and staff to promote a safer and more inclusive environment. Female faculty and staff came together for an afternoon of games and camaraderie, followed by a high tea gathering. Across campus, appreciation boards and a Women's Day greeting card competition allowed the community to express gratitude and creativity.

Additional activities included dermatologist consultations on February 23 by Dr. Sunitha Pendyal and Dr. Srikanth for female faculty, staff, and research scholars, as well as throwball matches for female campus residents held on 4<sup>th</sup>, 7<sup>th</sup>, and 9<sup>th</sup> March. On 9<sup>th</sup> March, Gender Champions organized an engaging awareness event for 25-30 community children featuring interactive games and thank-you card making, promoting gender equality in a fun and meaningful way. Overall, the celebrations highlighted the power of collective action and the impactful role of women in society.



Women's Day Walk



## UDAAN 2025 – Annual Community Sports Fest

UDAAN 2025, the annual community sports festival at BITS Pilani Hyderabad Campus, commenced on 15<sup>th</sup> February 2025. The event featured a diverse range of games including badminton, chess, carrom, table tennis, tennis, pickleball,

volleyball, throwball, cricket, box cricket, swimming, tug of war, and athletics, with competitions across men's, women's, boys', and girls' categories.

This year, UDAAN saw the introduction of two new sports—pickleball and tennikoit—which received an excellent response and strong participation. Over 250 community members enthusiastically took part, keeping the campus vibrant and energetic throughout the two-month-long fest.

The event's motto, 'To keep our campus community healthy and active,' was successfully upheld through spirited performances and overwhelming participation. The enthusiastic response from the campus community made UDAAN 2025 a grand success. The festival concluded on 21<sup>st</sup> April, 2025.

### HPV Vaccination Drive

BITS Pilani Hyderabad Campus has partnered with Mediciti Hospital and One Care Connect to conduct an HPV vaccination drive on campus. The first dose of the vaccine was administered to around 100 registered participants – including students, faculty, staff, and their families – at Mediciti Hospital on 19<sup>th</sup> April, 2025. Following this, a

second phase of the first dose was organized on campus at the Medical Center in collaboration with the Mediciti team, where approximately 60 individuals received the vaccine. The second dose of the vaccination drive is scheduled for August 2025, with the third and final dose planned for February 2026.

### World Environment Day

In observance of World Environment Day on 5<sup>th</sup> June, 2025, collection booths were set up near the hostels and the community area (Children's Park) to collect e-waste from the campus community. This initiative encouraged responsible disposal and recycling, contributing to a greener environment.

### International Yoga Day

BITS Pilani Hyderabad Campus celebrated International Yoga Day on 21<sup>st</sup> June, 2025, aligning with this year's global theme, 'Yoga for One Earth, One Health.' The event was held on the library lawns and lasted for one hour. Ms. Jyoti Rawat, a postgraduate in Yogic Science and a member of Team Fitness Gurukul, led participants through a rejuvenating yoga session. Approximately 70 people took part in the event, which concluded with the distribution of healthy snacks.

## Joining Hands (MoUs)

Name of Organization	Date of Signing	Short Description of the MoU signed
University of Manchester, UK	19 <sup>th</sup> May 2025	BITS Pilani signed a new MoU with the University of Manchester, UK, for the 2+2 Programme. The agreement was signed by Prof. V. Ramgopal Rao (Vice Chancellor, BITS Pilani) and Prof. Stephen Flint (Associate Vice-President International, UoM), in the presence of senior leadership from both institutions.
IKP Knowledge Park	03 <sup>rd</sup> June 2025	Discussions and deliberations at the leadership level post-ceremony focused on: <ul style="list-style-type: none"> <li>- Promoting IP protection &amp; commercialization for innovators</li> <li>- Guiding startups on funding avenues, such as BIRAC-BIG</li> <li>- Catalyzing bio-entrepreneurship through collaborative programs</li> <li>- Facilitating access to industry experts, mentors, and investors</li> </ul>
MOWO Social Initiatives	13 <sup>th</sup> Feb 2025	MOWO is a revolutionary initiative aimed at empowering women to be independent by offering them two and three-wheeler training and related livelihood opportunities. We train women in driving two and three-wheelers, liaise with organizations to create more employment opportunities for women in mobility and work on policy advocacy which will eventually lead to more women occupying our roads.

# Patents

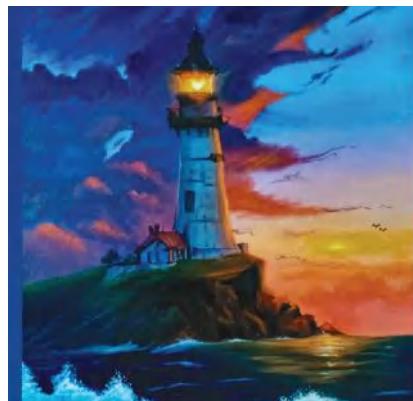
Title	Inventors	Department	Date	Status
A System For Detecting A Cardiac Biomarker and A Method For The Same	Goel Sanket, Tatavarthy Satya, Kapavarapu Srujana, Imtiyaz Suhaib, Fande Sonal, Nair Parvathy	EEE	20 <sup>th</sup> January, 2025	Filed
Hematite For Supercapacitor And A Method of Preparation Thereof	Sanket Goel, Palavai Sowmya Sree, Himanshi Awasthi, Satya Tatavarthy, Srujana Kapavarapu	EEE	02 <sup>nd</sup> February, 2025	Filed
A Wearable Electrochemical Diagnostic Device for Real-Time Monitoring of Electrolyte and Sweat Rate	Dubey Satish Kumar, Goel Sanket, Kumar Sanjeet	EEE	17 <sup>th</sup> February, 2025	Filed
A Portable Electrochemical Device for Real-Time Monitoring of Electrolyte Levels	Dubey Satish Kumar, Goel Sanket, Kumar Sanjeet	EEE	02 <sup>nd</sup> February, 2025	Filed
Method and Apparatus For Managing A Solar-Based Power	Dr. Neha Tak, Prof. Sumit K Chattopadhyay (IITD)	EEE	9 <sup>th</sup> March, 2025	Filed
Device And Method Of Multi-Technique Electrochemical Detection With An Integrated Multimode User Interface	R N Ponnalagu, Goel Sanket, Nair Parvathy	EEE	31 <sup>st</sup> March, 2025	Filed
A Thermal Management System For A Microfluidic Device For Synthesizing Nanoparticles	Dr. Goel Sanket, Dr. Kulkarni Madhusudan B, Dr. Yashas	EEE	22 <sup>nd</sup> January, 2025	Granted
A Bio Electrode Pair For Use In Enzymatic Biofuel Cells and A Process For Making The Same	Dr. Goel Sanket, Dr. U S Jayapriya,	EEE	28 <sup>th</sup> , March 2025	Granted
Coumarin Compounds as Anti-Fibrotic Agents Targeting the TGF-Pathway and Their Pharmaceutical Compositions,	Prof. Sajeli Begum, Prof. Onkar P Kulkarni Mr. Suraj Gupta and Errem Venkatesh	Pharmacy	9 <sup>th</sup> March, 2025	Filed
Novel Compounds and Compositions for Inhibition of Fatty Acid Synthase (FASN), Their Synthesis, and Applications	Prof. Sajeli Begum Ms. Lakshmi Soukya	Pharmacy	2 <sup>nd</sup> May, 2025	Filed
Modified mesoporous silica nanoparticles for cancer therapy, method of preparing the same, and uses thereof	Prof. Swati Biswas, Prof. Balaram Ghosh Mr. Milan Paul, Ms. Bhavesha Chanchlani	Pharmacy	29 <sup>th</sup> May, 2025	Filed
A Hydrochloric Acid-Responsive Gas-Generating Self-Propelled Nanomotor For Drug Delivery	Prof. Swati Biswas, Prof. Balaram Ghosh Ms. Anjana P K, Mr. Tonmoy Banerjee	Pharmacy	20 <sup>th</sup> April, 2025	Filed
Graphene oxide-based nanoparticles for chemotherapeutic drug delivery, and a method of preparing the same	Prof. Swati Biswas, Prof. Balaram Ghosh Ms. Sneha Das, Mr. Tonmoy Banerjee	Pharmacy	03 <sup>rd</sup> March, 2025	Filed
Gemcitabine-Alginate-Chitosan Conjugate Nanoparticle (Alg/Chi-GEM NP) and Preparation Thereof	Prof. Ghosh Balaram, Prof. Biswas Swati, Mr. Patel Tarun, Ms. Ambati Himaja	Pharmacy	1 <sup>st</sup> April, 2025	Filed
A formulation for preventing systemic drug-induced ocular toxicity	Prof. Nirmal J, Manisha Malani, Manthan Hiremath	Pharmacy	2025	Filed
A dissolvable microneedle patch for trans-scleral delivery of Regorafenib, and a method of preparation thereof	Prof. Venkata Vamsi Krishna Venuganti, Ms. Sharayu Naik.	Pharmacy	11 <sup>th</sup> February, 2025	Filed
A device for ocular drug delivery	Prof. Venkata Vamsi Krishna Venuganti, Ms. Sharayu Naik, Sri Ms. Shivani Thatavarti Bharatam	Pharmacy	24 <sup>th</sup> March, 2025	Filed
A Natural acid-base complex adjuvant and method of preparation thereof	Prof. Ramakrishnan Ganesan, Prof. Jayati Ray Dutta, Ms. Anindita Thakur	Chemistry/ Biological Sciences	23 <sup>rd</sup> May, 2025	Filed
Catalyst System for Concurrent Methanol and Dimethyl Ether Production and A Process of Preparation Thereof	Y. Lavanya, S.A. Singh, S. Roy, B.M. Reddy	Chemical Engineering	19 <sup>th</sup> March, 2025	Filed

Title	Inventors	Department	Date	Status
Sustainable Fuel Production from Plastic Waste: A Unified Column Solution	H.K.V. Gurram, S.A. Singh, J. Thumaty	Chemical Engineering	19 <sup>th</sup> March, 2025	Filed
Novel Perovskite Photocatalyst for Green Hydrogen Generation	S.H. Pamu, S.A. Singh	Chemical Engineering	21 <sup>st</sup> May, 2025	Filed
A Natural acid-base complex adjuvant and method of preparation thereof	Ramakrishnan Ganesan, Jayati Ray Dutta, Anindita Thakur	Biological Sciences	23 <sup>rd</sup> May, 2025	Filed
Enhanced biomethanation of food waste using Thermophilic	Sankar Ganesh Palani, Pallavi Vadla, Hemapriya Srinivasan	Biological Sciences	23 <sup>rd</sup> January, 2025	Filed
A nitric oxide targeted anammox (NOTA) process for treating nitrogen-rich wastewater	Sankar Ganesh Palani, Hemapriya Srinivasan, Anand N	Biological Sciences	18 <sup>th</sup> February, 2025	Filed

## Students Artworks



Ritansh Kulshreshtha



Sumehra Afsheen



Soujanya Lakshmi Tayyala



Sri Yasarwi Chidella



Simran Misra

## Introducing New Faculty (January - June 2025)

Sr#	Name	Department	Designation
1	Sarbani Banerjee Belur	Humanities and Social Sciences	Visiting Assistant Professor
2	Subrahmanyam R	Economics and Finance	Professor of Practice
3	Utkarsh Kumar	Economics and Finance	Assistant Professor, Gr-I
4	Harinadha Gidituri	Chemical Engineering	Assistant Professor, Gr-I
5	Krishanu Ray	Biological Sciences	Senior Professor
6	Prakash Sista	Chemistry	Associate Professor
7	Hrishikesh Terdalkar	Computer Sci & Information Sys	Assistant Professor, Gr-I

## Editorial Team



The names (From Left)  
Taanvi Dande, Prajna Upadhyay, Prasanth Inturi, Maya Vinai, Lavanya Suresh, and Nyaya Alexander.

Credits and Thanks for pictures to the Department of Photography (DoPY)  
Credits and Thanks to the Library for the collection of Media Stories

