

# BITScan

Hyderabad Campus

Where  
Knowledge  
Thrives.



## Foreword



*Prof. Dharmarajan Sriram, Director-in-Charge*

### From the Desk of the Director-in-Charge

It gives me great pleasure to present this edition of BITScan, the official chronicle of the academic, research, and campus life at BITS Pilani, Hyderabad Campus. This publication reflects our strong commitment to innovation, research excellence, and holistic education.

Over the past months, the campus has witnessed a wide range of academic achievements, research milestones, and meaningful initiatives. These efforts highlight our focus on generating new ideas, advancing knowledge, and applying research to solve real-world problems. Our faculty, researchers, and students continue to work with dedication to contribute positively to society through learning and innovation.

Through a strong research culture and an emphasis on creative thinking, BITS Pilani, Hyderabad Campus remains

committed to building solutions that have a lasting impact. The work featured in this edition stands as a testament to our shared mission of academic excellence and progress.

I extend my sincere appreciation to the Publications and Media Relations Unit (PMRU) and the student editorial team for their professionalism and hard work in bringing together this edition of BITScan. Their efforts ensure that the achievements of our campus are documented and shared with clarity and purpose.

I hope this edition inspires readers to continue striving for excellence in learning, research, and innovation.

With best wishes,

Prof. Dharmarajan Sriram  
Director-in-Charge  
BITS Pilani, Hyderabad Campus



## BITS Hyderabad Celebrates 12<sup>th</sup> Convocation

The Birla Institute of Technology and Science (BITS) Pilani, Hyderabad Campus held its 12<sup>th</sup> Convocation Ceremony on Sunday, 3<sup>rd</sup> August, 2025, at the campus auditorium. The event was presided over by Prof. Ajay Kumar Sood, Principal Scientific Advisor to the Government of India, as the Chief Guest, in the presence of Prof. V. Ramgopal Rao, Vice Chancellor, BITS Pilani, and Prof. Soumyo Mukherjee, Director, BITS Hyderabad. Over 1200 degrees were conferred across undergraduate, postgraduate, and doctoral programmes.

The prestigious BITS Ratna Award 2025 was presented to Mr. Prem Jain and Mr. Sid Mookerji. Several alumni were also honoured with Distinguished Alumnus and Distinguished Services Awards for their contributions to the BITS legacy.

Chief Guest Prof. Ajay Kumar Sood encouraged graduates to pursue ethical, interdisciplinary, and socially responsible innovation, especially in emerging fields like AI and sustainable technologies. A message from Dr. Kumar Mangalam Birla, Chancellor, BITS Pilani, urged students to remain lifelong learners guided by strong values.

Prof. V. Ramgopal Rao emphasized BITS' vision to become a leading research-driven university through global partnerships and innovation. In his address, Prof. Soumyo Mukherjee highlighted the campus' strong research growth, including over ₹48 crores in funded projects, 1,150+ publications, and 90+ startups incubated.



*Chief Guest Address*



*Class of '25*



*Gold Medalists Oath*



*Delegates of the Convocation*

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

### Department of Civil Engineering

#### National Conference on SHared e-bikes and Integration with Public Transport

The department organized the National Conference on SHared e-bikes and Integration with Public Transport (SHIPT 2025), sponsored by the Indian Council of Social Science Research (ICSSR)-under Vision Viksit Bharat@2047, held on 23<sup>rd</sup> and 24<sup>th</sup> September 2025. SHIPT 2025 provided a vibrant platform for presenting pioneering research, exchanging practical solutions, and forging new collaborations to promote sustainable urban mobility.

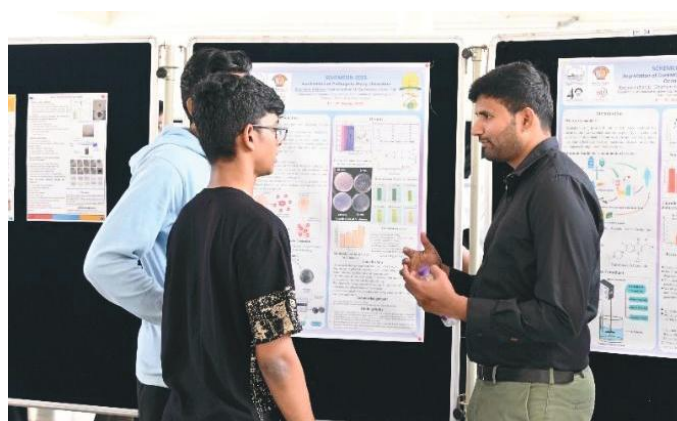


Delegates and Participants of SHIPT, 2025

### Department of Chemical Engineering

#### Industry Connect (ICON-2025)

The student association ACE (Association of Chemical Engineers), guided by Prof. Ramendra Pal and Prof. Iyman Abrar, organised ICON 2025, the second edition of Industry Connect (ICON-2025) event. The department hosted industry experts K. Subbulakshmanan (Adani Cement), Satish Kumar Lekkala (Innovation Labs, Schneider Electric), and Akhil Kongara (Sthyr Energy), who shared valuable insights on the evolving landscape of the chemical engineering industry. Our students showcased their project outcomes and engaged in insightful interactions with industry experts, gaining valuable feedback and practical insights.



Students presenting their project outcomes to Dr. Akhil Kongara (Sthyr Energy) during ICON-2025

### Department of Computer Science & Information Systems

#### Industry Day 2025

Industry Day 2025 was jointly organized by the Departments of CS&IS, EEE, and the Placement Division on 26<sup>th</sup> July 2025, with participation from 50 industry leaders including Bosch, Cisco, AMD, Qualcomm, TCS, and others. The event saw 250 participants and focused on industry-academia collaboration, showcasing research innovations, and promoting internships and placements for PhD students.

#### Python Bootcamp

Python Bootcamp conducted on 29<sup>th</sup>-30<sup>th</sup> November 2025 featured Prof. Aneesh S. Chivukula, Prof. Subhrakanta Panda, Prof. Hrishikesh Terdalkar, and Prof. Akanksha Rathore. The workshop introduced Python-based data analytics, visualization, and AI/ML concepts, including clustering and pattern mining, with applications in molecular structure and drug design.

#### AIINSC – AI in Spatial Computing Workshop

AIINSC – AI in Spatial Computing Workshop conducted on 11<sup>th</sup> December 2025 was co-organized by Prof. Sk Aziz Ali with collaborators from TCS Research, Monash University, TIFR, and iHub Drishti-IIT Jodhpur. Key themes included 3D/4D generative AI, XR, SLAM, digital avatars, spatial audio, and trustworthy AI. The workshop featured 6 research papers, 2 system demos, 4 startup pitches, and application showcases.



### Workshop on Graph Mining

The First Workshop on Graph Mining with LLMs was organized by APPCAIR Hyderabad on 15<sup>th</sup> November 2025, with talks by Prof. Sayan Ranu (IIT Delhi) and Prof. Soumen Chakrabarti (IIT Bombay). The event had 65 registrations, ~40 in-person participants, and included hands-on sessions on graph mining and LLMs.

### IndoML 2025

IndoML 2025 hosted at BITS Pilani, Hyderabad Campus from 19<sup>th</sup> to 21<sup>st</sup> December 2025, co-organized by APPCAIR and CSIS. The event featured 20+ invited talks, over 300 PhD participants, and speakers from ETH Zürich, NTU, Georgia Tech, Microsoft, Netflix, Mistral AI, and others. A special highlight was the Prof. Pushpak Bhattacharya Memorial Lecture by Dr. Anoop Kunchukuttan (Microsoft).



IndoML'25

## Department of Humanities & Social Sciences

### Accessible by Design

The two-day international symposium, 'Accessible by Design' was held at BITS Pilani, Hyderabad Campus, on 15<sup>th</sup> - 16<sup>th</sup> October 2025, marking an important step in advancing discussions on equitable access to assistive technologies in India. Organized under the Accessquity initiative by the Departments of Humanities and Social Sciences (HSS) and Computer Science and Information Systems (CSIS), the symposium was part of the Equitable Access to Assistive Technologies in India project, supported by the UK's Department for Science, Innovation and Technology through the Royal Academy of Engineering.

The symposium emphasized the role of persons with disabilities as co-creators and decision-makers in technology design. Over 250 participants, including scholars, technologists, designers, policymakers, and educators, took part in interdisciplinary discussions on inclusive technology futures. Key speakers such as Prof. Hemachandran Karah (IIT Madras), Prof. Amita Dhanda (NALSAR), Prof. Shilpa Das (NID), and Ms. Deepa Palaniappan (Azim Premji University) highlighted the importance of rights, participation, and social justice in accessible technology development.

## Department of Mechanical Engineering

### From Design to Reliability

A workshop titled 'From Design to Reliability: Exploring ANSYS Simulation for Next-Gen Engineers', sponsored by CADFEM, was conducted on 15<sup>th</sup> September 2025 for Ph.D. and M.Tech students. The workshop aimed at upskilling students in industry-relevant simulation technologies and enhancing their understanding of virtual product development. Participants were introduced to advanced features of the ANSYS simulation platform, with special emphasis on LS-DYNA for nonlinear and explicit dynamics applications. Through expert-led sessions and practical demonstrations, the workshop highlighted the role of simulation-based design in improving reliability, performance, and decision-making in modern engineering practice, thereby strengthening the participants' readiness for research and industrial challenges.

### Outreach Activity

An outreach activity was organized on 13<sup>th</sup> September 2025, with nearly 50 school children from nearby Zilla Parishad Schools visiting the department. Talks were delivered on the importance of engineering in the current world to spark their interest and nurture curiosity among the young minds regarding the different aspects of engineering as a profession.

## Department of Economics & Finance

### PRAGATI - Financial Literacy Workshop for Women Entrepreneurs

The Department of Economics and Finance, BITS Pilani-Hyderabad Campus, in collaboration with the PRAGATI Centre and the Government of Telangana, organized a one-day Financial Literacy Workshop for Women Entrepreneurs on 4<sup>th</sup> November 2025. The event also marked the inauguration of the PRAGATI Centre, aimed at bridging

academic research and grassroots development. Sessions covered budgeting, financial management, access to credit, and digital payments, empowering women entrepreneurs to engage confidently with formal financial systems. The initiative highlighted BITS Pilani's commitment to inclusive growth and rural development across Telangana.

### **PRAGATI - Cyber Safety Champions**

The Department of Economics and Finance, in collaboration with the PRAGATI Centre and the Government of Telangana, organized the 'Cyber Safety Champions' workshop to promote responsible digital behaviour among school children. The programme focused on digital footprints, financial cybersecurity, cyberbullying, deepfakes, privacy, and online safety. Through expert-led sessions and interactive activities, students gained awareness of secure digital practices and ethical online conduct. The workshop aimed to build informed, confident, and responsible digital citizens for a safer and more inclusive digital future.

## **Department of Chemistry**

### **MolMat: TPR 2025**

The Department organised an International Conference on Molecular Materials: Trails, Perspectives, and Reminiscences (MolMat: TPR 2025) from 4<sup>th</sup> - 5<sup>th</sup> July 2025. The conference explored experiments, theory, computation, and recent technological advances in molecular materials, especially in electronics, energy, and smart functional applications. The conference brought together over 250 scientists, researchers, and industrial partners. Talks and presentations were delivered by renowned academicians from Indian Institute of Science (IISc), Indian Institute of Technology (IIT), Indian Institute of Science Education and Research (IISER) and University of Hyderabad. PhD students, postdoctoral researchers, and young researchers were exposed to the current state-of-the-art molecular materials in science and technology.

## **Department of Physics**

### **Symposium on Trends in Emerging Physics**

The Department held STEP-2 2025 on 30<sup>th</sup> August, 2025. The event was titled 'Symposium on Trends in Emerging Physics'. STEP 25 showcased recent advancements in various branches of physics through poster presentations by research scholars and M.Sc. students from the department. Prof. Kabir Ramola from TIFR Hyderabad delivered an

invited lecture, focusing on tensor electromagnetism and stress fluctuations in granular solids.



*Participants of STEP-2025*

### **Hyderabad Quantum Condensed Matter Theory Meeting-II**

Prof. Tanay Nag hosted a national conference titled 'Hyderabad Quantum Condensed Matter Theory Meeting-II (HQCMTM-II, 2025)' on 13<sup>th</sup> September 2025. Prof. Rajesh Narayanan (IIT Madras) delivered a colloquium. Invited talks were presented by Prof. Abhiram Soori (University of Hyderabad), Prof. Archak Purakayastha, Prof. Atanu Rajak (IIT Hyderabad), and Prof. Darshan Joshi (TIFR, Hyderabad). In addition, Prof. Tanay Nag and Prof. K. V. S. Chaitanya from the Department of Physics, BITS Pilani – Hyderabad Campus, delivered seminars. PhD students from IITH, UoH, and BITS H also presented seminars.



*Participants of HQCMTM-II, 2025*

### **Outreach Program**

A group of undergraduate Physics students, along with their instructor, from MSTM Arts & Science College, Perinthalmanna, Kerala, visited the laboratories of the Department of Physics on 24<sup>th</sup> December 2025. Prof. Satya Narayana Murthy from the Department of Physics demonstrated various experiments to the visiting students and interacted with them.



Out Reach Programme

### Department of Pharmacy

#### International Symposium and Workshop on Innovations in Translational Therapy and Targeted Drug Delivery (ITTD-2025)

The Department under the leadership of Prof. Swati Biswas, successfully organised the International Symposium and Workshop on Innovations in Translational Therapy and Targeted Drug Delivery (ITTD-2025) from 1<sup>st</sup> to 4<sup>th</sup> September 2025.

The symposium was graced by Dr. Krishna Ella, Padma Bhushan Awardee (2022), Co-founder and Chairman of Bharat Biotech, as the Guest of Honour. A distinguished scientist and entrepreneur, Dr. Ella is widely recognised for his contributions to India's biotechnology landscape, including the development of Covaxin, India's indigenous COVID-19 vaccine, which played a vital role in safeguarding millions of lives in India and worldwide.



Participants of ITTD-2025

## International Conference / Seminar / Workshop

### Department of Civil Engineering

- Prof. Mohan SC presented a lecture on 'Novel Sliding-Enabled Elastomeric Isolator to Mitigate Large Deformation Demand under Maximum Considered Earthquake' at the 19<sup>th</sup> World Conference on Seismic Isolation (WCSI 2025), University of California, Berkeley, USA, from 15<sup>th</sup> to 19<sup>th</sup> September 2025.
- Prof. Raghuram Ammavajjala presented a lecture on 'Variability Characterization of Model Parameters of SWCC for Sandy Soils' at the 9<sup>th</sup> International Symposium for Geotechnical Safety and Risk (ISGSR-2025), Oslo, Norway, from 25<sup>th</sup> to 28<sup>th</sup> August 2025.
- Prof. Raghu Piska, PhD, presented a lecture on 'Phase Field Modeling of Fracture in Soft Matter' as part of the Faculty International Collaboration at Swansea University, UK, during June – July 2025.
- Prof. Vasan Arunachalam presented a lecture on 'Phase Field Modeling of Fracture in Soft Matter' at the 6<sup>th</sup> International Conference on Water Resources (ICWR 2025), Universiti Teknologi, Malaysia, from 23<sup>rd</sup> to 25<sup>th</sup> September 2025.

### Department of Mathematics

- Prof. B. Mishra presented a lecture titled 'Gauss-Bonnet Gravity with Curvature and Torsion: Addressing

Late Time Cosmic Phenomena of the Universe' at the 24 International Conference on Physical Interpretation of Relativity Theory (PIRT-2025), held at Bauman Moscow State Technical University, Moscow, Russia, from 7<sup>th</sup> to 10<sup>th</sup> July 2025.

### Department of Chemical Engineering

- Prof. Iyman Abrar presented a paper on 'Sustainable Biodiesel Production from Waste Cooking Oil Using Activated Biochar as a Green Catalyst,' at the International Conference on Sustainable Technologies and Advanced Research (i-STAR 2025), hosted by the BITS Pilani Dubai Campus, Department of Mechanical Engineering, in November 2025.

### Department of Electronics & Electrical Engineering

- Prof. Sayan Kanungo presented a lecture titled 'Emergence of Janus Transition Metal Dichalcogenides (TMDs) for Optoelectronics – A Computational Perspective' at the 3 International Conference on Low Energy Digital Devices and Computing (ICLED 2025), NTU, Singapore, on 16<sup>th</sup> October 2025.
- Prof. Sourav Nandi presented a lecture titled 'A Sixteenth Mode Circular SIW-Based Eight Port MIMO Antenna for 5G Applications' at IEEE RADIO 2025 (Radio



Society and IEEE-APS), held in Cape Town, South Africa, on 27<sup>th</sup> October 2025.

- Prof. Pranay Agarwal presented a lecture titled 'Content and Access Networks Synergies: Tradeoffs in Public and Private Investments by Content Providers' at the IFIP WG 7.3 Performance 2025 Conference – the 43<sup>rd</sup> International Symposium on Computer Performance, Modeling, Measurements and Evaluation, held at CWI, Amsterdam, Netherlands, on 13<sup>th</sup> November 2025.

### Department of Computer Science & Information Systems

- Prof. Jay Kamlesh Dave presented a lecture titled 'Proof-of-Work Assisted Jammer Evasion in LoRaWAN' at the IEEE GLOBECOM Workshops 2025, held at the Taipei International Convention Center (TICC), Taipei, Taiwan, from 8<sup>th</sup> to 12<sup>th</sup> December 2025.
- Prof. Jay Kamlesh Dave and Prof. Nikumani Choudhury presented a lecture titled 'Distributed RL-Based UAV Selection for Reliable Task Execution in Aerial IoT Edge Networks' at the IEEE GLOBECOM Workshops 2025, held at the Taipei International Convention Center (TICC), Taipei, Taiwan, from 8<sup>th</sup> to 12<sup>th</sup> December 2025.
- Prof. Jay Kamlesh Dave presented a lecture titled 'Unlocking Secure Clouds: A Modern Perspective on Access Control and Privacy' at IEEE TENCON-2025, held at the Sabah International Convention Centre, Kota Kinabalu, Malaysia, from 27<sup>th</sup> to 30<sup>th</sup> October 2025.

### Department of Humanities & Social Sciences

- Prof. Sarbani Banerjee Belur delivered lectures titled 'Understanding Sustainability Models with Community Participation' at The Wadden Experience Summer School, University of Groningen, The Netherlands (27<sup>th</sup> August to 1<sup>st</sup> September 2025), and 'Internet Measurement for Rural Areas: Relevance and Importance' during Pulse Research Week, organized by the Internet Society, UNICEF, GIGA, and ITU, held in Barcelona, Spain 8<sup>th</sup> – 11<sup>th</sup> December 2025).

### Department of Mechanical Engineering

- Prof. Piyush Chandra Verma delivered a talk on 'Role of Gas Flow Rate and Beam Size on Laser Hardening Process for Wear Behavior of Brake Disc' at 3<sup>rd</sup> International Conference Advanced Mechanics: Structure, Materials, Tribology, Samarkand, Uzbekistan, 22<sup>nd</sup> to 26<sup>th</sup> September 2025.

### Department of Economics & Finance

- Prof. Shreya Biswas presented a lecture on 'Firms Are Greener on the Side of ICT Adopters' at the Globelics International Conference, University of Johannesburg, South Africa from 24<sup>th</sup> to 26<sup>th</sup> November 2025.
- Prof. Sravani Bharandev presented lecture on 'Breaking the Barriers of the Generative Divide: A Minimum AI Access Standard (MAAS) across Europe and Asia' at the Asia-Europe Foundation (ASEF) Innolab6 Conference, Košice from 2<sup>nd</sup> to 5<sup>th</sup> December 2025.

### Department of Physics

- Prof. Debanjan Polley presented a lecture on '2025 International Conference on Two-Dimensional Materials and Micro-Nano Manufacturing Technology' at Hubei University of Technology, China, from 21<sup>st</sup> to 23<sup>rd</sup> September 2025.
- Prof. Subhadeep Roy contributed a talk in the 15<sup>th</sup> International Conference on Nanostructures, Nanomaterials and Nano engineering (ICNN 2026), Kyoto, from 29<sup>th</sup> to 31<sup>st</sup> October 2025

### Department of Chemistry

- Prof. Manab Chakravarty attended an International Conference on Organophosphonates, Science and Technology for a talk titled 'Functionalized organophosphonates as mechano / piezochromic molecules and biogenic amine detector' held at Perugia, Italy during 17<sup>th</sup> to 19<sup>th</sup> September 2025, sponsored by ANR.
- Prof. Manab Chakravarty, as an invited speaker delivered a talk titled 'Concentration-tuned diverse optical responses from small organic molecules recognizing crucial biological amines' at the 5<sup>th</sup> Asian Conference on Chemo sensors and imaging probes Asian-ChiPs-2025 during 17<sup>th</sup> to 19<sup>th</sup> October held at CUHK, Shenzhen, China.

### Department of Pharmacy

- Prof. Swati Biswas delivered a presentation on 'Metabolic Basis of Intracellular Parasitism' at Westlake University on 7<sup>th</sup> July 2025 and at the Excellence in Molecular Plant Sciences Conference, Shanghai, China on 9<sup>th</sup> July 2025.
- Prof. Swati Biswas delivered a presentation on 'Metabolic Basis of Intracellular Parasitism' at Westlake University on 7<sup>th</sup> July 2025 and at the Excellence in Molecular Plant Sciences Conference, Shanghai, China on 9<sup>th</sup> July 2025.



# Faculty Awards

## Department of Civil Engineering

- Prof. Vasan Arunachalam received the Prestigious Prof. SSR Memorial Teaching Excellence Award 2025, conferred by BITS Pilani, Hyderabad Campus, in 26<sup>th</sup> November 2025.
- Prof. Chandu Parimi received the Inspirational Teaching Award, conferred by the Teaching and Learning Centre (TLC), BITS Pilani, Hyderabad Campus, in 10<sup>th</sup> November 2025.

## Department of Chemical Engineering

- Prof. Satyapaul Singh won the Inspirational Teaching Award from the Teaching and Learning Centre (TLC) at BITS Hyderabad on 10<sup>th</sup> November 2025.
- Prof. Lyman Abrar received the Best Presentation Award at the International Conference on Sustainable Technologies and Advanced Research (i-STAR 2025) hosted by the Mechanical Engineering Department at BITS Pilani Dubai Campus, in November 2025.
- Prof. Debirupa Mitra was selected as a Fellow in the inaugural cohort of India RISE Fellowship, a year-long leadership and R&D program for Indian women in STEM, delivered by the Gupta-Klinsky India Institute at Johns Hopkins University.
- Prof. Debirupa Mitra joined the Editorial Board of Springer Nature's Amino Acids in August 2025 and is currently serving as an Editor.

## Department of Electronics & Electrical Engineering

- Prof. Sanket Goel received the National Awards to Teachers (NAT-2025), conferred by the Ministry of Education, Government of India, on 26<sup>th</sup> August 2025.
- Prof. Parikshit Sahatiya received the Prof. S. Venkateswaran Faculty Excellence Award 2025, conferred by the BITS Alumni Association, on 26<sup>th</sup> November 2025.
- Prof. Chetan Kumar V. received the Inspirational Teaching Award-2025, conferred by the Teaching Learning Center (TLC), BITS Pilani, in 10<sup>th</sup> November 2025.

## Department of Humanities & Social Sciences

- Prof. Lavanya Suresh served as a Visiting Fellow at the Institute for Global Sustainable Development, University of Warwick, in July 2025, engaging with scholars on themes of sustainability, equity, and transformation.

- Prof. Suchismita Sathpathy received the Inspirational Teaching Awards conferred by Teaching and Learning Center on 10<sup>th</sup> November 2025.

## Department of Mechanical Engineering

- Prof. Amit Kumar Gupta was awarded the Birla Chair Professorship, Shri B. K. Birla and Shrimati Sarala Birla Chair Professor on 11<sup>th</sup> August 2025. He was also awarded the Inspirational Teaching Award conferred by the Teaching and Learning Centre on 10<sup>th</sup> November, 2025.
- Prof. Sandip S Deshmukh was awarded overseas visiting scholar fellowship funded by the Science and Engineering Research Board (SERB) to visit Purdue University, USA accompanied by one of his students.

## Department of Economics & Finance

- Prof. Rishi Kumar received the Inspirational Teaching Award from the Teaching Learning Centre on 10<sup>th</sup> November 2025.

## Department of Physics

- Prof. Tanay Nag received the ICTP-APS ATAP travel award, International Center for Theoretical Physics, Trieste, Italy, 1<sup>st</sup> September 2025.

## Department of Biological Sciences

- Prof. Pragya Komal received an International Award, Neuroscience Capacity Accelerator For Mental Health (NCAMH) from International Brain Research Organization in collaboration with Wellcome during the month of August, 2025.
- Prof. Sourav Chowdhury received an International Recognition as 'Faculty Fellow' from Department of Chemistry and Chemical Biology, Harvard University on 27<sup>th</sup> July 2025.
- Prof. Sourav Chowdhury received an International Recognition as 'Affiliated Faculty Member' from Harvard Program in Therapeutic Sciences, Harvard Medical School during the month of July, 2025.

## Department of Chemistry

- Prof. B.M. Reddy received 'AICTE - Distinguished Professional' recognition from All India Council of Technical Education (AICTE), New Delhi during the month of July 2025.
- Prof. B.M. Reddy received an international recognition from International Association of Carbon Capture

(SMIACC) as 'Senior Member' during the month of July 2025.

- Prof. B.M. Reddy received a national recognition from Indian National Science Academy (INSA), New Delhi as 'Fellow (FNA)' during the month of December 2025.
- Prof. Jayanty Subbalakshmi received the Inspirational Teacher Award organized by the Teaching Learning Center (TLC), BITS-Hyderabad Campus on 10<sup>th</sup> November 2025.
- Prof. Jayanty Subbalakshmi was honoured for unwavering support, Mentorship, and being an integrated part of Dr K.V.Rao Scientific Society (KVRSS) on 12<sup>th</sup> September 2025 at CCMB on the Rajatotsav-25<sup>th</sup> Annual Day

## Student Awards/Achievements

### Department of Civil Engineering

- Mr. Md Ikram Ullah Khan received the International Travel Grant – ANRF, conferred by BITS Pilani, Hyderabad Campus, for his active participation in the 8th International Conference on Durability of Concrete Structures (ICDCS 2025), held at Heriot-Watt University, Edinburgh, UK, from 15<sup>th</sup> to 17<sup>th</sup> October 2025, where he delivered an oral presentation titled 'Impact of Sulfate Activation of Slag Cement on the Performance of Coarse Recycled Aggregate Concrete' under the guidance of Prof. V. Vinayaka Ram.
- Ms. Ambili P received the International Travel Grant, conferred by BITS Pilani, Hyderabad Campus, for her active participation in the 19<sup>th</sup> World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures (19WCSI-2025), held at the University of California, Berkeley, USA, from 15<sup>th</sup> to 19<sup>th</sup> September 2025, where she presented a poster titled 'Selection of appropriate fiber reinforced elastomeric isolator for low-rise RC buildings based on loading criteria' under the guidance of Prof. Mohan S. C.
- Mr. Chirdeep N. R. received the International Travel Grant, conferred by BITS Pilani, Hyderabad Campus, for his active participation in the 9<sup>th</sup> International Symposium of Life-Cycle Civil Engineering (IALCCE 2025), held at the Melbourne Convention and Exhibition Centre, Melbourne, Australia, from 15<sup>th</sup> to 19<sup>th</sup> July 2025, where he delivered an oral presentation titled 'Uncertainty consideration in seismic resilience assessment of corroded highway bridges' under the guidance of Prof. Bahurudeen A.

### Department of Pharmacy

- Prof. Swati Biswas received a Travel Grant from the Anusandhan National Research Foundation (ANRF) on 18<sup>th</sup> August 2025 to participate in the European Advanced Materials Congress, Sweden.
- Prof. Biswas received the Advanced Materials Innovation Award from the International Association of Advanced Materials, Stockholm, Sweden.
- Prof. Swati Biswas was awarded the Birla Chair Professorship, Shri B. K. Birla and Shrimati Sarala Birla Chair Professorship on 11<sup>th</sup> August 2025.

- Ms. Krishnendu Sivadas received the International Travel Grant, conferred by BITS Pilani, Hyderabad Campus, for her active participation in the 18<sup>th</sup> U.S. National Congress on Computational Mechanics (USNCCM18), held at the U.S. Association for Computational Mechanics (USACM), Chicago, USA, from 20<sup>th</sup> to 24<sup>th</sup> July 2025, where she delivered a talk titled 'Phase field modelling of complex crack kinking mechanisms in dynamic fracture of heterogeneous media' under the guidance of Prof. Chandu Parimi.

### Department of Chemical Engineering

- Ms Anwesha Mishra, a fourth-year student from the Department of Chemical Engineering, presented her lead-author paper at the AIAA AVIATION & ASCEND 2025 conference held at Caesars Forum, Las Vegas, from 21–25<sup>th</sup> July 2025. The event was organised by the American Institute of Aeronautics and Astronautics (AIAA).
- Anwessa Kashyap, a 2<sup>nd</sup>-year HD student, presented a poster on 'Recent Developments in Non-enzymatic Electrochemical Sensing of Glutamate' at the SCHEMCON-2025 conference, held at VIT Vellore on October 3<sup>rd</sup> and 4<sup>th</sup>, 2025. She won the Best Poster Award in the category of Alternate Energy Sources and Storage, Electrochemical Engineering.
- Ms. Lavanya Yalagandula won the Best Presentation Award at the Energy Efficiency Summit 2025, organised by CII in September 2025.
- Ms. Y. Lavanya and Ms. Sri Himaja Pamu were selected for CSIR-SRF. The fellowship of 42,000/- +HRA per month



for their PhD will be sponsored by CSIR from Aug 2025 - July 2027.

- Ms. Suharika received the best poster award at Catalysis and Reaction Engineering Symposium (CARES)-2025, conducted at IIT M, for presenting her work titled 'Impact of Oxygen Vacancies on the Catalytic Activity of Ni/Co<sub>3</sub>O<sub>4</sub> for CO<sub>2</sub> Methanation'.
- Mr Atharve Shinde has been adjudged the Second-Best Presentation Award at the National Conference on Advances in Polymer Technology and Sustainable Materials (APTSM 2025) held on October 15<sup>th</sup>, 2025.
- Ms Shraddha Virkar, 4<sup>th</sup> year FD student won the 2<sup>nd</sup> position for Best oral presentation in SCHEMCON 2025, held at VIT on 3<sup>rd</sup>-4<sup>th</sup> October 2025. She presented her work titled 'Fabrication and Characterisation of Copper Nanoparticles – Polysaccharide Modified Cotton Gauze as Antimicrobial Wound Dressing'. The presentation has also been nominated for the IChE National Level Student Awards 2026.

### Department of Electronics & Electrical Engineering

- Ms. Aishwarya Gorityala received the International Travel Grant, conferred by BITS Pilani, Hyderabad Campus, for presenting her research work at the IEEE International Conference on Software Testing, Verification and Validation, on 1<sup>st</sup> December 2025.
- Mr. Kurakula Anudeep received the Best Paper Award at the 6<sup>th</sup> International Conference on Data Science and Applications (ICDSA 2025), held at Malaviya National Institute of Technology, Jaipur, India, on 16<sup>th</sup> July 2025.

### Department of Computer Science & Information Systems

- Mr. Shashank received the International Travel Award, conferred by BITS Pilani, on 8<sup>th</sup> August 2025, with a maximum grant limit of INR 1.5 lakh.
- A team of five students, mentored by Prof. Sk Aziz Ali, won the Smart India Hackathon (SIH 2025) for developing an AI-powered smart power grid installation system to address a national-level problem statement. The Smart India Hackathon is a flagship innovation competition organized by the Government of India.

### Department of Humanities & Social Sciences

- Ms. Hrittika Bhowmick completed an internship with Microsoft Research, Bengaluru, in July 2025. Subsequently, between August and December 2025, she

conducted workshops in blind schools in Bengaluru to study the efficacy of the Ludic design pedagogic method, informed by her training in disability studies and Human-Computer Interaction.

### Department of Mechanical Engineering

- Mr Suswanth Poluru has been awarded the Best Presentation Award (Physical) Bronze recipient at the 17<sup>th</sup> International Conference on Materials Processing and Characterization (17-ICMPC-2025) organised by Curtin University at Imperial Hotel, Miri, Sarawak, Malaysia, for the paper titled 'Analysis of Compressive Damage Behaviour of Tungsten Heavy Alloy' held from 27<sup>th</sup> to 29<sup>th</sup> November 2025.
- Mr Abhinav Manoj has been awarded a CSIRT-RA fellowship starting from the month of August 2025.
- Ms Vishista Kaushik has been awarded a CSIRT-SRF Direct fellowship starting from the month of August 2025.

### Department of Physics

- Risita Sahu received the DST INSPIRE Fellowship (JRF), Department of Science and Technology (DST), Government of India, Ministry of Science and Technology, India, in July 2025.
- Sreeshna S received 2<sup>nd</sup> Best Oral presentation in Student Conference on Optics and Photonics (SCOPOSIS 2025) and the 48<sup>th</sup> Optical Society of India Symposium (OSIS), Physical Research Laboratory & Optica, India, 8<sup>th</sup> - 12<sup>th</sup> December 2025. Greeshma Gopinath got SCOPOSIS-OPTICA travel grant.
- Nilofar Naaz received support under the ANRF International Travel Scheme, Government of India, in September 2025 to attend the 3<sup>rd</sup> European Congress on Renewable Energy and Sustainable Development held in Lisboa, Portugal, on 29<sup>th</sup> September 2025, where she also received the Best Oral Presentation Award.
- Viswa Kannan R. K. won the Best Poster Presentation Award (First Place) at FRACMEET 2025, held at SRM University AP, India, on 20<sup>th</sup> November 2025.
- Geetika Sahu secured the Best Poster Presentation Award (Third Place) at FRACMEET 2025, held at SRM University AP, India, on 20<sup>th</sup> November 2025.

### Department of Biological Sciences

- Ms. Dimple K. received 'Best Presenter Award' from Woxsen University on 8<sup>th</sup> December 2025.

- Mr. Keitumetse Ngaka received 'Best Presenter Award' from Woxsen University on 8<sup>th</sup> December 2025.
- Ms. Swati received 'Best Poster Presentation Award' from Society for Biological Chemists (India) on 19<sup>th</sup> December 2025.
- Mr. Suryansh Sengar received 'Best Poster Presentation Award' from Society for Biological Chemists (India) on 19<sup>th</sup> December 2025.
- Mr. Deeptanshu Pandey received 'Best Presenter Award' from Society for Biological Chemists (India) on 19<sup>th</sup> December 2025.

### Department of Chemistry

- Ms. Shalini Dyagala received Best Oral Presentation Award under the Scheme for the Promotion of Academic and Research Collaboration (SPAR C) by the Ministry of Education (MoE), Government of India on 04<sup>th</sup> September 2025.

### Department of Pharmacy

- Ms. Shivangi Bansal was awarded Best B.Pharm Student for the academic year 2024–25 by BITS Pilani, Hyderabad Campus on 2<sup>nd</sup> August 2025.
- Ms. Kushi Kachhwaha and Mr. Rishi GN received the Best M.Pharm Student award for the academic year 2024–25

from BITS Pilani, Hyderabad Campus on 2<sup>nd</sup> August 2025.

- Ms. Shridula Sankar received a Travel Fellowship in November 2025 to attend the PRIME Summit 2025 held at Narayana Nethralaya, Bengaluru.
- Ms. Shridula Sankar, Mr. Manthan Hiremath, and Ms. Sai Shreya Cheruvu secured 1<sup>st</sup> Place in a Quiz Competition at the ARVO-India 31<sup>st</sup> Annual Meeting of the Indian Eye Research Group in July 2025.
- Mr. Velmurugan K received the prestigious Gandhian Young Technological Innovation (GYTI) Award for his work on a 3D-printed ocular drug delivery device for treating ocular infections. He also received a Travel Fellowship from ARVO-India to attend the 31<sup>st</sup> Annual Meeting of the Indian Eye Research Group in July 2025.
- Mr. Avinash Wadker was awarded the CSIR Senior Research Fellowship (SRF) by CSIR in July 2025.
- Ms. Aparajitha Ghosh received an International Travel Grant from BITS Pilani on 12<sup>th</sup> October 2025 to attend the 27<sup>th</sup> World Congress of Neurology held in Seoul, South Korea from 12<sup>th</sup>– 15<sup>th</sup> October 2025.
- Mr. Prafful Kothari received an International Travel Grant from BITS Pilani on 14<sup>th</sup> August 2025 to attend the Controlled Release Society (CRS) International Conference held in the USA.

## International Programmes & Collaboration Division (IPCD)

- IPCD organized the BITS–RMIT Higher Education Academy Orientation Program for the BITS-RMIT 2025 cohort on 5<sup>th</sup> August 2025. Prof. Sudhir Kumar Barai, Director, Pilani Campus, and Prof. Soumyo Mukherji, Director, Hyderabad Campus formally addressed the gathering and welcomed the students and their parents. Prof. A. P. Singh, Student Financial Aid (DASFA), attended the session virtually and shared key information on the curriculum, campus life, and contact details with the students. Prof. Aonghus McNabola and team from RMIT University, provided detailed insights into the unique BITS–RMIT partnership, RMIT University structure, program enrollment, RMIT grading system, and academic integrity.
- IPCD organized a session by Prof. Jeremy Simpson, University College Dublin (UCD) Global, South Asia on 'Deleting the Genome: Quantitative Imaging Approaches to Design Nanomedicine Delivery Strategies' for faculty and students on 30<sup>th</sup> August 2025. The session was highly informative and resulted in a fruitful discussion on the topic.

- Visit by delegates from RMIT University, Australia: Prof. Jonathan Luke McQualter, Head of Department and Associate Dean - Medical Sciences, School of Health and Biomedical Sciences, Dr Santha Sumanasekara, Associate Dean, Academic Operations, School of Computing Technologies, Dr Jessica Holien, Deputy Head of Department (Engagement), School of Science, Mr. Abhijith Mani, Assoc Director, Program Lifecycle & Governance STEM College from RMIT university, Australia visited Hyderabad Campus on 28<sup>th</sup> November 2025 to facilitate academic to academic connections for the new 2+2 programs for 2026 launch.





## Institution's Innovation Cell (IIC)

- The IIC screened the 'Rashtra Pratham: Voices that Shape the Nation' session featuring Mr. Ashish Chauhan, MD & CEO, NSE, at BITS Pilani Hyderabad Campus on 4<sup>th</sup> July 2025 to inspire students on leadership, resilience, and innovation.
- The 'Rashtra Pratham' session featuring Mr. Mayank Bidawatka, Co-founder of Koo, was organized at BITS Pilani Hyderabad Campus on 11<sup>th</sup> July 2025 to motivate aspiring entrepreneurs through lessons on resilience and failure.
- Prof. Robert Thorne, Denali Therapeutics, delivered a talk at BITS Pilani Hyderabad Campus on 1<sup>st</sup> August 2025, jointly hosted by SIRE and the Department of Biological Sciences.
- E-Cell participated in August Fest 2025, one of India's largest entrepreneurial gatherings, held in Hyderabad on 9<sup>th</sup> August 2025 to showcase student innovation.
- Dr. Dipankar Das delivered a seminar on converting research ideas into deep-tech ventures at BITS Pilani Hyderabad Campus on 14<sup>th</sup> August 2025.
- TEDxBITSHyderabad Community Meet 2025, themed 'Sovereign Spark,' was held on 17<sup>th</sup> August 2025 with participation from 200–250 students and five distinguished speakers.
- Prof. Sankar Ganesh conducted a hands-on workshop on Design of Experiments (DOE) at BITS Pilani Hyderabad Campus on 20<sup>th</sup> August 2025.
- The E-Cell Community Meet 2025 introduced Batch 2025 students to entrepreneurship and VC funding opportunities on 21<sup>st</sup> August 2025.
- Dean R&I hosted 35 international delegates under the ITEC program for a session on 'Empowering SMEs through Strategic Innovation Management' at BITS Pilani Hyderabad Campus on 15<sup>th</sup> September 2025.
- The 8<sup>th</sup> MSME Summit on 'Future-Ready MSMEs' was attended by the Innovation Ambassador team in Hyderabad on 17<sup>th</sup> September 2025.
- The Techquipment Battle was organized by I-Cell on 19<sup>th</sup> September 2025 to identify lab upgrade needs through student innovation pitches.
- SEEP 3.0 Grand Finale was conducted on 20<sup>th</sup> September 2025 to showcase student startup ideas through live pitching and bidding.
- Mr. Raju Reddy, Founder of Sierra Atlantic, interacted with students at BITS Pilani Hyderabad Campus on 24<sup>th</sup> September 2025, sharing insights on entrepreneurship and leadership.
- Abyom Ignition 2025, marking Abyom's 5<sup>th</sup> Foundation Day, was organized in collaboration with IIC on 3<sup>rd</sup> October 2025, highlighting aerospace and defence innovations.
- Innovators Conclave Hyderabad 2025 was conducted on 25<sup>th</sup> – 26<sup>th</sup> October 2025, featuring a hackathon and startup showcase across 10+ innovation tracks.
- FD Innovation Day 2025 was held on 15<sup>th</sup> November 2025 to showcase First Degree students' innovation projects through posters and prototypes.
- Dr. Arindam Chatterjee delivered a talk on 'ABC of Intrapreneurship' at BITS Pilani Hyderabad Campus on 25<sup>th</sup> November 2025.
- BITS Pilani Hyderabad Campus showcased four student innovation teams at the MIC Regional Meet 2025 held at GRIET, Bachupally, on 25<sup>th</sup> November 2025.
- The IIC and IPEC organized an IPR awareness event titled 'Securing Your Creative Edge' at BITS Pilani Hyderabad Campus on 6<sup>th</sup> December 2025.

### The National Pollution Control Day

The National Pollution Control Day was celebrated with the Institution's Innovation Council (IIC) at BITS Pilani, Hyderabad Campus. A tree-plantation drive was organised where faculty and students planted saplings, contributing directly to a greener campus ecosystem. Experts, including Prof. Ramesh Babu shared valuable insights on managing air pollution and discussed sustainable 'Waste-to-Energy' technologies.



*Tree Plantation as a part of the National Pollution Control Day*

## Alumni Relations Division

- The 'Collaborate for Change – BITS Pilani CSR Forum' was organized by the Alumni Relations Division at BITS Pilani, Hyderabad Campus on 29<sup>th</sup> November 2025, bringing together CSR leaders, industry experts, and student innovators to discuss social impact in education, healthcare, and sustainability.
- The Class of 2026 Graduands' Farewell Party was held at BITS Pilani, Hyderabad Campus on 21<sup>st</sup> November 2025, featuring faculty addresses, student cultural performances, and a celebratory send-off for graduating students.
- Alumni from the BITSAA Hyderabad Chapter visited BITS Pilani, Hyderabad Campus on 28<sup>th</sup> September 2025, interacting with students, sharing experiences, and participating in a campus tour.
- BITSAA and the BGM Team interacted with the 11<sup>th</sup> Batch of Divyang Warriors (CRPF) at BITS Pilani, Hyderabad Campus on 13<sup>th</sup> October 2025, celebrating courage, resilience, and determination.
- Prof. Arun Rai, Distinguished Alumnus Award 2025 recipient, visited BITS Pilani, Hyderabad Campus on 1<sup>st</sup> November 2025 and delivered a lecture on 'Responsible AI for the Future of Work,' interacting with faculty and students.

## Invited Lectures by Faculty in India

### Department of Civil Engineering

- Prof. Ishant Sharma delivered a lecture titled 'What Motivates Hyderabad Residents to Adopt Electric Vehicles (EVs)' at IIT Ropar on 11<sup>th</sup> September 2025.
- Prof. Prasant Kumar Sahu delivered a lecture titled 'The Science of Freight Demand: Layered Models for a Complex Future' at the 3<sup>rd</sup> International Conference on Transportation Infrastructure Projects: Conception to Execution (TIPCE 2025), IIT Roorkee, on 19<sup>th</sup> September 2025.
- Prof. Mohan S. C. delivered a lecture titled 'The Science of Freight Demand: Layered Models for a Complex Future' at the 3<sup>rd</sup> International Conference on Transportation Infrastructure Projects: Conception to Execution (TIPCE 2025), IIT Roorkee, on 19<sup>th</sup> September 2025.
- Prof. Anasua Guharay attended Geotech Asia 2025, held in Goa, from 9<sup>th</sup> to 11<sup>th</sup> October 2025.
- Prof. Raghuram Ammavajjala chaired a technical session at Geotech Asia 2025, held at Taj Cidade de Goa Horizon, Goa, from 7<sup>th</sup> to 10<sup>th</sup> October 2025. He also served as the Technical Session Co-Chair at the Indian Geotechnical Conference 2025, held at NIT Jalandhar, from 18<sup>th</sup> to 20<sup>th</sup> December 2025.
- Prof. Bandhan Bandhu Majumdar participated as a distinguished speaker at the First ITS India Congress 2025 and delivered a talk titled 'AI in Mobility – For Safer, Sustainable, and Connected Roads' at IIT Hyderabad on 7<sup>th</sup> November 2025.
- Prof. Akshay Gundla served as a presenter at the 84<sup>th</sup> IRC Annual Session, held at Janata Maidan, Bhubaneswar, Odisha, from 7<sup>th</sup> to 10<sup>th</sup> November 2025.
- Prof. Sridhar Raju served as a presenter at the 84<sup>th</sup> IRC Annual Session, held at Janata Maidan, Bhubaneswar, Odisha, from 7<sup>th</sup> to 10<sup>th</sup> November 2025.
- Prof. Bahurudeen A. attended the 6<sup>th</sup> Asian Conference on Ecstasy in Concrete (ACECON 2025), held at Taj Deccan Hotel, Hyderabad, from 8<sup>th</sup> to 12<sup>th</sup> December 2025.
- Prof. Prasanta Kumar Sahu served as a presenter at the 8<sup>th</sup> Conference of the Transportation Research Group in India (CTRG 2025), held at IIT Guwahati, from 17<sup>th</sup> to 20<sup>th</sup> December 2025.
- Prof. Bandhan Bandhu Majumdar served as a presenter at the 8<sup>th</sup> Conference of the Transportation Research Group in India (CTRG 2025), held at IIT Guwahati, from 17<sup>th</sup> to 20<sup>th</sup> December 2025.



## Department of Mathematics

- Prof. T. S. L. Radhika delivered a lecture titled 'Basics of Quantum Computing and Linear Algebra' at Vasavi Engineering College, Hyderabad, on 13<sup>th</sup> December 2025.
- Delivered a lecture titled 'Our First Journey into the Fascinating World of Quantum Computation' at the International Conference on Science and English Language Learning (ICSELL 2025), Military Technological College, Muscat (online), from 3<sup>rd</sup> to 6<sup>th</sup> November 2025.
- Delivered a lecture titled 'How to Conduct Open Book Examinations' at MIT ADT University, Pune, on 27<sup>th</sup> September 2025.
- Delivered a lecture titled 'Quantum Key Distribution' at IEEE Future Networks, QIT, on 25<sup>th</sup> September 2025.
- Delivered a lecture titled 'Post Quantum Cryptography' at IEEE Future Networks, QIT, on 11<sup>th</sup> September 2025.
- Prof. B. Mishra delivered a lecture titled 'Attractor Behavior of Modified Teleparallel Theories at the Background and Perturbation Levels' at CHRIST (Deemed to be University), Bengaluru, as part of the IUCAA-sponsored workshop on Advances in Cosmology, from 15<sup>th</sup> to 16<sup>th</sup> July 2025.
- Delivered a lecture titled 'Late Time Cosmic Phenomena: The Modified Gravity Theory' at Centurion University of Technology and Management, Bhubaneswar, on 7<sup>th</sup> November 2025.
- Delivered a lecture titled 'Late Time Cosmic Phenomena: The Modified Gravity Theory: The Geometrical Interpretation' at Sri Venkateswara University, Tirupati, during the National Conference on Mathematics and Engineering Applications 2025, from 22<sup>nd</sup> to 24<sup>th</sup> December 2025.

## Department of Chemical Engineering

- Prof. Ramesh Babu A. gave an invited lecture on 'Mechanical testing of Polymer Composites after exposing to Salt spray, Cyclic weathering, Hot-wet and Thermal shock tests', at the 1<sup>st</sup> International Conference & Exhibition on Advanced Materials and Structures – 2025, from 2<sup>nd</sup> to 5<sup>th</sup> July-2025 at IIT Hyderabad, India. The conference was hosted by IIT Hyderabad and ISAMPE Hyderabad Chapter. He also delivered an invited lecture on 'Processing of nanocellulose-based filters for PM2.5 dust capture' at BITS Pilani, Hyderabad,

India. Institute Innovation Council hosted the event as part of the Pollution Control Day on December 02<sup>nd</sup>, 2025.

- Prof. Satyapaul A. Singh gave an invited lecture on 'A Heterogeneous Catalysis Approach to Sustainable Decarbonization: Strategy, Design, and Scale-up', 23<sup>rd</sup> August 2025, at the Department of Chemical Engineering, B V Raju Institute of Technology (BVRIT), Narsapur, Telangana
- Prof. Ramendra Pal served as a distinguished panelist and shared his insights during the discussion on Application of Sensors in Future and Upcoming Technologies held at The IEEE Sensors Council Student Branch Chapter at Methodist College of Engineering and Technology (Hyderabad), in the student-centric event, 'Sense Beyond' on 26<sup>th</sup> August, 2025.

## Department of Electronics & Electrical Engineering

- Prof. Anakhi Hazarika delivered a lecture titled 'Embedded System Design for Edge AI' at Assam Down Town University on 8<sup>th</sup> September 2025.
- Prof. Parikshit Sahatiya delivered a lecture titled '2D Materials Based Optoelectronics and Neuromorphic Devices' at IEEE EDS, Bangalore, on 13<sup>th</sup> December 2025.
- Prof. Lalit Kumar delivered a lecture titled 'Computer Simulation of Microwave Vacuum Electron Devices' at Jiwaji University, Gwalior, Madhya Pradesh, on 5<sup>th</sup> November 2025.

## Department of Computer Science & Information Systems

- Prof. Akanksha Rathore delivered a plenary talk titled 'Innovative Technologies Transforming Higher Education: Trends and Future Prospects' at BITS Pilani, Hyderabad Campus, from 18<sup>th</sup> to 19<sup>th</sup> July 2025.
- Prof. Aneesh Chivukula delivered an expert talk on 'Adversarial Deep Learning' during the SAP Labs Campus Immersion at BITS Pilani, Hyderabad Campus, on 19<sup>th</sup> July 2025.
- Prof. Aneesh Chivukula served as a guest speaker and delivered a half-day training on 'AI in Production & Emerging Technologies (Industry 5.0, Blockchain, ML, New Age Digital Skills, etc.)' at BDL Kanchanbagh on 25<sup>th</sup> July 2025.
- Prof. Dipanjan Chakraborty participated in the CRPF Divyang Warriors Reskilling Program at BITS Pilani, Hyderabad Campus, from 25<sup>th</sup> to 26<sup>th</sup> August 2025.

- Prof. Rajib Ranjan Maiti participated in the First Traffic Summit organized by the Hyderabad City Security Council, held on 18<sup>th</sup> – 19<sup>th</sup> September 2025.
- Prof. Abhijit Das delivered a talk titled 'NEAT-Based Obstacle Avoiding Control of Planar Snake Robot' at the APPCAIR AI Colloquia, BITS Pilani, Hyderabad Campus, on 19<sup>th</sup> September 2025.
- Prof. Hrishikesh R. Terdalkar delivered a talk titled 'Evaluation of LLMs for Low-Resource NLP and Knowledge Graphs' at the APPCAIR AI Colloquia, BITS Pilani, Hyderabad Campus, on 22<sup>nd</sup> August 2025.

### Department of Humanities & Social Sciences

- Prof. Lavanya Suresh delivered a session for the Advanced Training Programme for Class-1 Officers of the Uttar Pradesh Pollution Control Board (UPPCB) at the Administrative Staff College of India (ASCI), Hyderabad, on 25<sup>th</sup> November 2025, and presented a lecture titled 'Political Ecology of Commons' at the Institute for Global Sustainable Development, University of Warwick, UK, on 10<sup>th</sup> July 2025.
- Prof. Tony Sebastian delivered sessions titled 'Reading Masculinity: Methods and Approaches' at Mahatma Gandhi University on 22<sup>nd</sup> and 23<sup>rd</sup> August 2025.
- Prof. Sarbani Banerjee Belur conducted online courses on 'Social Impact of Technology' and 'Sociology for Innovation' at IIIT Dharwad from 4<sup>th</sup> to 15<sup>th</sup> September 2025.
- Prof. Shilpaa Anand participated in the Refresher Course in Comparative Literature organized by the UGC-MMTTC at Maulana Azad National Urdu University, Hyderabad, on 12<sup>th</sup> December 2025, and took part in the roundtable 'Jane Austen@250: Relevance, Readings and Reimaginings' at the School of Languages, Linguistics and Indology, Maulana Azad National Urdu University, Hyderabad, on 16<sup>th</sup> December 2025.

### Department of Mechanical Engineering

- Prof. Arnab Guha delivered an invited talk on 'Direct detection of biomolecules using a microfluidics integrated quartz crystal resonator sensor driven at a constant frequency and amplitude' at Soft Matter Young Investigator Meet (SMYIM), Koti Resort, Shimla, 18<sup>th</sup> to 20<sup>th</sup> June 2025.
- Prof. Jeevan Jaidi delivered an invited talk on 'Nugget Size and Residual Stresses in Resistance Spot Welding of Similar and Dissimilar Sheet Metals' at COMSOL Multiphysics – Academic Research at BITS Pilani, on 29<sup>th</sup> October 2025.

- Prof. R. Sujith delivered an invited talk on 'Materials Selection Approaches for the Hydrogen Storage in Automotive Applications' at the FDP organized by the Mechanical Department at Annamacharya University, Andhra Pradesh on 7<sup>th</sup> November, 2025.

### Department of Economics & Finance

- Prof. Mini Thomas P presented an invited lecture on 'Tariffs and Trade Tensions' at the 6<sup>th</sup> Economics Conclave, School of Economics, University of Hyderabad on 29<sup>th</sup> September 2025, and participated as an invited panelist on the topic 'The Future of Industry and Innovation' at the Telangana Rising 2047 Workshop, Indian School of Business, Hyderabad on 4<sup>th</sup> July 2025.
- Prof. Rishi Kumar participated as an invited panellist in the review meeting on the Draft Economic Development Plan (EDP) Report for Hyderabad Metropolitan Area 2050 at the Hyderabad Metropolitan Development Authority (HMDA), Government of Telangana on 2<sup>nd</sup> July 2025, and as a panelist for the sessions 'Mentoring for Scale' and 'Way Forward – State Plans & Commitments' at the National Conference on Rural Enterprise Incubators, organized by the Ministry of Rural Development (MoRD), Government of India in collaboration with Kerala SRLM (Kudumbashree), from 10<sup>th</sup> to 12<sup>th</sup> September 2025.

### Department of Physics

- Prof. Sarmistha Banik delivered an invited talk at the International Conference 'Compact Object Astrophysics and Astronomy,' held at IIT Jodhpur from 10<sup>th</sup> December to 12<sup>th</sup> December 2025. She also served as an Invited Speaker and Advisor to the Organising Committee. He also delivered an invited outreach talk at the Zenith Astronomy Club, University of Hyderabad, on 3<sup>rd</sup> September 2025.
- Prof. Sutapa Roy delivered an invited talk at the conference FRACMEET 2025, jointly organised by SRM University AP, IMSc Chennai, and BITS Pilani–Hyderabad Campus, from 11<sup>th</sup> to 12<sup>th</sup> November 2025.
  - Prof. Sutapa Roy delivered an invited talk at the Hyderabad Soft Matter Meet, University of Hyderabad, on 23<sup>rd</sup> August 2025.
  - Prof. Sutapa Roy delivered an invited talk at the conference 'Smart Magnetic Materials: Enabling Technologies for Intelligent Devices,' held at Thiagarajar College of Engineering, Madurai, from 24<sup>th</sup> to 30<sup>th</sup> September 2025.

- Prof. Sutapa Roy presented a poster at 'Powders and Grains 2025,' an international conference conducted by the AEMMG Association, from 8<sup>th</sup> December to 12<sup>th</sup> December 2025.
  - Prof. Subhadeep Roy delivered a contributed talk at the 10<sup>th</sup> International Congress on Computational Mechanics and Simulation (ICCMS 2025), held at IIT Bhubaneswar from 17<sup>th</sup> to 19<sup>th</sup> December 2025. He also Prof. Subhadeep Roy served as an organiser of FRACMEET 2025, held at SRM University, Amaravati, Andhra Pradesh, from 20<sup>th</sup> to 22<sup>nd</sup> November 2025.
  - Prof. Tanay Nag delivered an invited talk at the international conference 'Collective Phenomena in Disordered Systems-II (FRACMEET 2025),' held at SRM University, Amaravati, Andhra Pradesh, from 20<sup>th</sup> to 22<sup>nd</sup> November 2025.
    - Prof. Tanay Nag delivered an invited talk and was felicitated at Kakatiya University during the Golden Jubilee Celebration and Nobel Prize Day Celebration 2025, held on 10<sup>th</sup> December 2025.
    - Prof. Tanay Nag delivered an invited talk at YIMQCMT 2025 (Young Investigators' Meet on Quantum Condensed Matter Theory), held at IISER Tirupati from 21<sup>st</sup> to 23<sup>rd</sup> December 2025.
    - Prof. Tanay Nag delivered a departmental seminar at the ACS Kolkata Physical Science Departmental Seminar on 26<sup>th</sup> December 2025.
  - Prof Sankar Davuluri delivered an invited talk at International conference and Exposium on Quantum Sensing and Metrology (ICEQSM), organised by CQuERE, TCG Crest, Kolkata, September 2025. He also delivered an invited talk at SCOPOSIS, an international conference organised by Physical Research Laboratory, Ahmedabad, December 2025.
  - Prof Kannan Ramaswamy participated in a panel discussion 'Conversations that Connect', The Dean Students' Conclave at Thapar Institute of Engineering & Technology, Patiala, 15<sup>th</sup> November, 2025.
  - Prof. P.K. Thiruvikraman and Prof. Aravinda Raghavan conducted an interactive session titled 'Paper Wings and Superballs: A Journey of Discovery' for school students on the occasion of World Science Day 10<sup>th</sup> November, 2025. The session was conducted at the K.V.Rao Scientific Society in Hyderabad.
- Department of Biological Sciences**
- Prof. Sudipta Maiti delivered an invited talk titled, Probing molecular biophysics by building novel scientific instruments at Indian Academy of Sciences Mid-Year Meeting, IISc, Bengaluru on 5<sup>th</sup> July 2025.
  - Prof. Sankar Ganesh Palani delivered an invited talk titled, Recalcitrant pollutants in municipal solid waste landfill leachate and the potential for biological treatment at Anna University, Tiruchirappalli on 1<sup>st</sup> August 2025. He also delivered an invited talk titled, Optimizing co-substrate ratios of food waste and sewage sludge for improved biogas production during mesophilic and thermophilic biomethanation at Kakatiya University, Warangal on 23<sup>rd</sup> November 2025.
  - Prof. Soumyananda Chakraborti delivered an invited talk at National Seminar on Crystallography and Drug Design at Pondicherry University on 25<sup>th</sup> October 2025.
  - Prof. Ch. Mohan Rao, as an Invited Speaker and Chief Guest, addressed the Science Conclave held at Andhra University, Vishakhapatnam, Andhra Pradesh on 05<sup>th</sup> September 2025.
  - Prof. Ch. Mohan Rao delivered an Invited Lecture during the Leadership Training Program held at National Academy of Agriculture and Management, Hyderabad, for newly recruited Directors on 8<sup>th</sup> September 2025.
    - Prof. Ch. Mohan Rao as DRDO Chairman of Review committee addressed 'Detect and Decontaminate and treat: for potential biological threats' at DRDE, Mysore on 12<sup>th</sup> September 2025.
    - Prof. Ch. Mohan Rao as an Invited Speaker and Chief Guest delivered a talk during the Foundation Day of National Institute of Nutrition, Hyderabad on 26<sup>th</sup> September 2025.
    - Prof. Ch. Mohan Rao at First BM Reddy Memorial Lecture delivered 'Retinoblastoma: a childhood cancer of the Eye' at CPMB, Osmania University on 17<sup>th</sup> November 2025.
    - Prof. Ch. Mohan Rao addressed the Convocation held by Aurora Colleges on 22<sup>nd</sup> November 2025.
    - Prof. Ch. Mohan Rao at the Plenary Talk, 'Smart Nanoparticles for Keratitis' at the International Conference on Biotechnological Innovations for Sustainable Development held by Department of Genetics, Osmania University on 19<sup>th</sup> December 2025.
  - Prof. Ch. Mohan Rao delivered an Inaugural Lecture at the State Level Children's Science Meet held at Karimnagar, Telangana on 26<sup>th</sup> December 2025.



## Department of Chemistry

- Prof. Pralok Kumar Samanta delivered an invited talk 'Modelling of Excited State Properties in Narrow Band Organic Emitters' at Theoretical Chemistry Symposium (TCS 2025), IIT Bombay on 5<sup>th</sup> December 2025.
- Prof. Subit Kumar Saha delivered an invited talk 'Probing Light-induced Microenvironment Change of Hybrid Micelles Through Fluorescent Dyes' Distinct Locations and Energy Transfer Methods' at XXII National Conference on Surfactants, Emulsions and Biocolloids (NATCOSEB XXII) on 29<sup>th</sup> August 2025.
- Prof. Subit Kumar Saha delivered an invited talk 'Photo-triggered Microenvironment Change of Micelles and Cancer Drug Delivery with Real-time Monitoring through NSET Mechanism' at Recent Advances in Photonic Materials (RAPM-2025), Puri, Odisha on 18<sup>th</sup> October 2025.
- Prof. Tanmay Chatterjee delivered an invited talk 'Green Synthesis and Strategies to Discover Novel Anti-Cancer Drugs', delivered online as a resource person in a Faculty Development Programme (FDP) on Sustainable Healthcare Solutions through Quantum AI: Building India's Capacity in Resource-Efficient Precision Medicine and Green Drug Discovery, organized by the School of Computing and Information Technology of REVA University, Bangalore on 1<sup>st</sup> September 2025.
  - Prof. Tanmay Chatterjee delivered an invited talk 'Green Synthetic Strategies to Access Marketed Drugs, Drug Analogues and Novel Anti-Cancer Agents' at Akal University, Punjab, in an International Conference on Green Technologies, Environment, and Drug-Discovery (ICGTEDD)-2025, held at Akal University, Punjab held during 3<sup>rd</sup> to 5<sup>th</sup> September 2025.
  - Prof. Tanmay Chatterjee delivered an invited talk 'Developing Green Synthetic Methodologies to Access Marketed Drug, Drug Analogues, and Anti-Cancer Agents' in an International Conference on 'Current & Future Trends in Chemical Sciences, (ChemSpirit 2025)', held at IIT Hyderabad, Telangana held during 17<sup>th</sup> to 19<sup>th</sup> November 2025.

## Department of Pharmacy

- Prof. Nirmal J delivered multiple invited talks at national and international forums in 2025, including the PRIME Summit 2025 held at Narayana Nethralaya, Bangalore, in November 2025, where he presented on topics such as a computational approach for screening pharmaceutical excipients for stabilizing unstable drugs, flavanone glycosides as investigative topical therapy for ocular pain, and fast-dissolving polymeric ocular patches for keratoconus management.
  - He also spoke on the role of tight junctions in epidermal growth factor receptor inhibitor-induced ocular toxicity at the 44<sup>th</sup> Annual Conference of the Society of Toxicology (STOX), India, held at PGIMER, Chandigarh, in October 2025.
  - Further, he presented molecular insights into antibiotic degradation using computational approaches to drug stability at the 9<sup>th</sup> Nano Today Conference organized by Elsevier in Singapore in September 2025.
  - and discussed valproate-associated dry eye and mechanistic insights into ocular toxicity at the Gordon Research Conference on Cellular and Molecular Mechanisms of Toxicity held at Proctor Academy, Andover, New Hampshire, USA, in August 2025.
- Prof. Swati Biswas delivered talks on leading research groups effectively at the ANRF PAIR IITH Hub (PRATHAME) at IIT Hyderabad during 7<sup>th</sup> – 8<sup>th</sup> November 2025,
  - and on evolving nanomedicine architectures for cancer and infectious disease therapy at the 35<sup>th</sup> CRSI National Symposium in Chemistry held at IIT Gandhinagar from 23<sup>rd</sup> – 25<sup>th</sup> July 2025.
  - Prof. Balaram Ghosh presented a case study on targeted drug development addressing challenges in small molecule-based cancer therapy at the National Conference on Recent Advances in Drug Discovery and Development (RADDD-2025), held at the Department of Pharmaceutical Engineering and Technology, IIT (BHU), from 7<sup>th</sup> – 9<sup>th</sup> October 2025.

## Sanctioned Projects (SRCD) During July - December 2025

Title of project	Name of PI	Co-PI-Name	Funding Agency	Sanctioned Amount
Development of next-generation eco-brick walls with waste cold and hot insulators. recycled aggregates and alkali-activated binders for building cooling applications	Prof. V. Vinayaka Ram	Prof. R. Parameswaran	M/s GAIL(I) Limited	Rs 69.17 Lakhs
Development and Implementation of a 2 TPD CO <sub>2</sub> Capture and Utilisation Pilot Plant to Reduce Emissions in the Cement Sector	Prof. Srinivas Krishnaswamy, BITS Goa	Dr Raghuram Ammavajjala- Co-PI	DST CCUS	Rs 5.34 Crores
Climate-Responsive Foundations: Assessing the Impact of Temperature and Rainfall on Shallow and Deep Foundations.	Dr Raghuram Ammavajjala		La-Trobe University	N/A
Cold-Formed Steel-Geopolymer Lightweight Concrete Composite Members for Sustainable and Low-Cost Modular Construction	Prof. Mohammad Adil Dar Prof. Bahurudeen A		SPARC	Rs 58.10 Lakhs
Environmental Conditioning of Composite sandwich Laminates	Prof. Ramesh Adusumalli	N/A	DRDO Kanchanbagh Hyderabad, Advanced System Laboratory	Rs 48.76 Lakhs
Performance Modeling of Next-Generation Wi-Fi	Prof. Pranay Agarwal	-	BITS Pilani Hyd	Rs 20 Lakhs
AI-Assisted Hardware Design Optimization and Verification	Prof. Soumya J	-	BITS Pilani Hyd	Rs 20 Lakhs
LADDER: LLM and DRL- Driven Efficient RTL Generation & Optimization	Prof. Soumya J	Prof. Paresh Saxena	Google Unrestricted Gift	Rs 25.31 Lakhs
Near-Memory Aware RISC-V Architecture on FPGA for Low-Power Smart-City EDge AI Applications	Prof. Anakhi Hazzarika	-	BITS Pilani Hyd	Rs 20 Lakhs
Collective Tracking of Ephemeral Resources in Dynamic Landscapes	Prof. Akanksha Rathore	Dr. Ari Peshkin	Indo-German Science and Technology grant under the WISER scheme	Rs 40 Lakhs
Lekking dynamics of grassland antelopes	Prof. Akanksha Rathore	N.A.	Max Planck Society Mobility Grants	USD 17.78 Thousand
Signals in the Dark: Emergence and Fragility of Collective Synchrony in Fireflies	Prof. Akanksha Rathore	Prof. Rahul Nigam	ANRF-ARG	Rs 888 Lakhs
Google Cloud services to support teaching and large-scale research activities	Prof. Aziz Ali	N.A.	Google Cloud Research Credit Award	USD 1.5 Thousand

Title of project	Name of PI	Co-PI-Name	Funding Agency	Sanctioned Amount
Student Research Projects	Prof. Aziz Ali	N.A.	SPARKLE Research Grant	Rs 2 Lakhs
LADDER: LLM and DRL-Driven Efficient RTL Generation & Optimization	Prof. Soumya Joshi (EEE)	Prof. Paresh Saxena	Google	USD 30 Thousand
AI-ML Based FloorPlanning for DFX in FPGA Architecture	Prof. Soumya Joshi (EEE)	Prof. Paresh Saxena	AMD	Rs 17.70 Lakhs
LLM-Driven RTL Design Tool for AMD FPGAs: A Targeted Approach	Prof. Paresh Saxena	Prof. Soumya Joshi	AMD	Rs 35.40 Lakhs
Two day Seminar on Locating Marginalities within Margins: Films from North East India	K.Kokho	Debajit Bora	ICSSR	Rs 2 Lakhs
Examining Graduate Research Writing in Context: Needs, Challenges, and Pedagogical Pathways	Anjana Krishna	N/A	BITS Pilani	Rs 20 Lakhs
Coastal Erosion: Adaptation, Relocation and Rehabilitation in Resilience Framework (CeARRRF)	Prof. Biswanath Dash		ICSSR	Rs 1.15 Crores
Mapping the Institutions, Rules, and Norms that Define Commons and Developing an Analytical Framework for Mapping Commons at Scale	Prof. Lavanya Suresh	Dr. Rajkamal Goswami	Foundation for Ecological Security (FES).	Rs 24.50 Lakhs
Design and Development of a Uniaxial High-G Piezoresistive Acceleration Sensor for Use in Guns	Arnab Guha Prof. Parikshit Sahatiya (Co-PI), Prof. Sudha Radhika (Co-PI), and Prof. Sabareesh Geetha Rajasekharan (Co-PI)	Parikshit Sahatiya, Sudha Radhika, and Sabareesh Geetha Rajasekharan	DRDO ( ARMREB)	Rs 94.28 Lakhs
Microfluidic-Based Point-of-Care Device for Rapid and Sensitive Serum Ferritin Quantification	Soumyananda Chakraborti	Jayaprakash K S	BFI (BIOME program)	Rs 26.07 Lakhs
Self-propelled Janus nanomotor for site-specific delivery of chemotherapeutics in gastric cancer through the oral route	Swati Biswas	Aritra Chatterjee	BFI (BIOME program)	Rs 33.34 Lakhs
Development of next-generation eco-brick walls with waste cold and hot insulators. recycled aggregates and alkali-activated binders for building cooling applications	Vinayaka Ram	R Parameshwara	GAIL India Ltd	Rs 69.17 Lakhs



Title of project	Name of PI	Co-PI-Name	Funding Agency	Sanctioned Amount
Climate-Responsive Monetary Policy: Integrating Climate Shocks into Inflation Modelling and Forecasting	Prof. Sunny Kumar Singh		International Growth Centre	Rs 12.80 Lakhs
Data Science for Finance	Prof. Nivedita Sinha	N/A	GITAA	Rs 7.5 Lakhs
Exploring dielectric engineering in twisted transition metal dichalcogenide heterostructures: A new approach to tunable optoelectronic applications	Prof. Manabendra Kuiri	N/A	ANRF, Anusandhan National Research Foundation	Rs 45.36 Lakhs
Quantum interplay between altermagnetism, topology, and superconductivity with finite-momentum Cooper pair: Concept building for future quantum technologies	Prof. Tanay Nag	Prof Arijit Saha	ANRF, Anusandhan National Research Foundation	Rs 51 Lakhs
Exploring the internal structure of neutron stars with gravitational waves	Prof. Sarmistha Banik	Dr Micaela Oertel	CEFIPRA-Indo French Centre for the Promotion of Advanced Research	Rs 37.48 Lakhs
Evaporation Driven Phase Separation and Pattern Formation in Multi-Component Mixtures	Prof. Sutapa Roy		Anusandhan National Research Foundation (ANRF)	Rs 39.50 Lakhs
Signals in the Dark: Emergence and Fragility of Collective Synchrony in Fireflies	Prof. Akanksha Rathore(CSIS)	Prof Rahul Nigam	Anusandhan National Research Foundation (ANRF)	Rs 90 Lakhs
Testing the cholinergic potential of Vitamin D3 mediating signalling on blood-brain barrier integrity via restoration of cholinergic receptors and related chaperone proteins in schizophrenia	Prof. Pragya Komal	N/A	International Brain Research Organization, Neuroscience Capacity Accelerator for Mental Health (IBRO-NCAMH)	Rs 26.70 Lakhs
Evaluation of topical formulation in cell models	Prof. Vamsi Krishna Venuganti	N/A	Almora Botanica	Rs 20 Lakhs
Evaluation of topical formulation in vitro and ex vivo models	Prof. Vamsi Krishna venuganti	N/A	Pulse Pharma	Rs 40 Lakhs

## Distinguished Talks / Lectures Organized by Departments

Presenter	Organization	Topic Talk/Lecture	Date
Prof. Krovi	Clemson University, USA	Open Connected Autonomy Vehicles: Research and Education Opportunities	08 <sup>th</sup> July, 2025
Prof. Sai Vanapalli	University of Ottawa, Canada	Towards Implementation of the Mechanics of Unsaturated Soils into Geotechnical Engineering Practice Applications	21 <sup>th</sup> July, 2025
Ms. Malavika G Nair	Indian Administrative Service (IAS)	UPSC Talk	25 <sup>th</sup> July, 2025
Dr. Lipika Deka	De Montfort University, UK	System Runtime Assurance and Resilience to Architecture Erosion Prevention in Software Systems	29 <sup>th</sup> July, 2025
Dr. Shreyasee Das	Temple University, Philadelphia	Lights On for Safety: Evaluating the Linkages Between Electrification and Violence Against Women	11 <sup>th</sup> Aug, 2025
Prof. Tony Sebastian	BITS Pilani, Hyderabad Campus	Reading Masculinity: Methods and Approaches	22-23 <sup>rd</sup> Aug, 2025
Dr. Deepshikha Batheja	Max Institute of Healthcare Management (ISB) and Visiting Fellow at One Health Trust.	Gender Peer Effects In The Workplace: A Field Experiment In Indian Call Centres	28 <sup>th</sup> Aug, 2025
Prof. Kiran Pedada	Asper School of Business at the University of Manitoba	Understanding Value Delivery in Rural Social Enterprises	28 <sup>th</sup> Aug, 2025
Prof. Kabir Ramola	TIFR Hyderabad	Tensor electromagnetism And stress fluctuations Ingranular solids	30 <sup>th</sup> Aug, 2025
Prof. William Oestreich,	University of Zurich,	Collective Behavior in the Oceanic Realm: From Blue Whales to Universal Patterns of Collective System	2 <sup>nd</sup> Sept, 2025
Mr. Chiranjeevulu S.	Retd. Chief Manager, QC & R&D ONGC-MRPL	An Overview of Petroleum Refinery	03 <sup>rd</sup> Sept, 2025
Dr Pravin Venkat	Postdoc at IIT Bombay	Atto-second Science: Pushing the Limits of Time to Explore Ultrafast Dynamics	4 <sup>th</sup> Sept, 2025
Mr. Vaibhav Bajaj	Apple	Unlocking Fall 2026: Applications, Careers, Visa, Q&A	7 <sup>th</sup> Sept, 2025
Prof. Phanindra Goyari	University of Hyderabad	Indian Agriculture Sector after Green Revolution: Some Changes, Challenges and Policy Issues	10 <sup>th</sup> Sept, 2025
Prof. Madhavi Jha	BITS Pilani, Hyderabad Campus	Master of the situation: Disposability as labour discipline on Uganda Railway construction.	11 <sup>th</sup> Sept, 2025
Prof. Senthilkumar Rajendran	NIT Trichy	Innovations in Cold-Formed Steel–Concrete Composite Systems	12 <sup>th</sup> Sept, 2025
Prof. Toshiro Hata	Hiroshima University, Japan	Future Perspectives on Environmental and Microbial Geotechnical Engineering.	15 <sup>th</sup> Sept, 2025
Mr. Sundi Natarajan	Sparksoft Corporation, Chantilly, USA	Challenges Faced by Young Entrepreneurs	16 <sup>th</sup> Sept, 2025
Ms Divya Nawale	UN Climate Policy Officer	From Pilani to the frontiers of Climate Change – Antarctica, the UN and beyond...	20 <sup>th</sup> Sept, 2025
Ms. Asha Swaroopa Gummadi	Silicon Labs	<ul style="list-style-type: none"> <li>- Current job market in semiconductor/chip design</li> <li>- Role of Computer Architecture in the IoT industry</li> <li>- Career opportunities</li> <li>- Real-world ISA design challenges for IoT devices</li> </ul>	20 <sup>th</sup> Sept, 2025
Mr. Mohammed Arif Adoni	Silicon Labs	<ul style="list-style-type: none"> <li>- Live comparison: Academic MIPS vs. Industry ARM/RISC-V</li> <li>- Industry tools demonstration</li> <li>- FPGA implementation</li> <li>- Cross-platform development with ARM/RISC-V toolchains</li> </ul>	20 <sup>th</sup> Sept, 2025
Dr. Satendra Mangrauthia	ICAR-IIRR Institute	SYNOPSIS Lecture	23 <sup>rd</sup> Sept, 2025
Prof. K. Siva Teja Chopperla	IIT Gandhinagar	Assessing Alternative Supplementary Cementitious Materials (SCMs) for Their Use in Concrete	29 <sup>th</sup> Sept, 2025

Presenter	Organization	Topic Talk/Lecture	Date
Prof. Praveen Bhagawan	Krea University - Chennai	Creditor Rights and Firm's Cost of Debt: Empirical Evidence from Indian Firms	30 <sup>th</sup> Sept, 2025
Dr. Catherine Goodman	American Chemical Society	A Word of Advice: Success in Scientific Publishing	15 <sup>th</sup> Oct, 2025
Dr. Sriman Pankaj Boindala	Technion, Israel	Navigating International Postdoctoral Fellowships.	17 <sup>th</sup> Oct, 2025
Prof. S. Bapi Raju	IIIT Hyderabad	Deep Learning Applications in Healthcare	24 <sup>th</sup> Oct, 2025
Dr.S.Velmurugan	CSIR - CRRI, New Delhi	Revolutionising Road Safety through the Integration of Road Engineering with Artificial Intelligence - Case Study	25 <sup>th</sup> Oct, 2025
Dr. Susmita Banerji	IIIT Hyderabad	Ritwik Ghatak- Fractures in Film	28 <sup>th</sup> Oct, 2025
Prof. Vivekananda Mukherjee	BITS Polani, Hyderabad Campus	Red Tape, Bribe Reporting, and 'Corruption as an Obstacle to Business'	29 <sup>th</sup> Oct, 2025
Prof. Arun Rai, Regents' Professor	University System of Georgia	Responsible AI for the Future of Work	1 <sup>st</sup> Nov, 2025
Mr. Challa Vivekanand	Tech Mahindra Ltd	Future and Avenues in Industry for Mechanical Engineering Professionals	03 <sup>rd</sup> Nov, 2025
Mr. Gabor Sines	AMD India Pvt. Ltd	Gaming with Artificial Intelligence and Machine Learning	3 <sup>rd</sup> Nov, 2025
Prof. Subhasish Dey	IIT Jodhpur	Hydrodynamics of Sediment Transport: Grain Scale to Continuum Scale	04 <sup>th</sup> Nov, 2025
Dr. Vinod Kumar	TISS Hyderabad	The Tenacity of Caste on the Governance of Commons	6 <sup>th</sup> Nov, 2025
Prof. Nanda Kishore Kannuri	University of Hyderabad	Transdisciplinary approach to wicked problems: Addressing health and wellbeing among marginalised communities	14 <sup>th</sup> Nov, 2025
Prof. Amnon Horovitz	Weizmann Institute of Science	SYNOPSIS Lecture	15 <sup>th</sup> Nov, 2025
Dr. Anusuya Pal	Yanagisawa Lab, Graduate School of Arts and Sciences, The University of Tokyo, Tokyo	From Cracks to Crack-Free Patterns: Integrating AI & Drying Droplets as a Screening Tool	17 <sup>th</sup> Nov, 2025
Mr B.V. Venugopal	SABIC Technology Centre, Bangalore	Importance of Chemical Process Calculations in Industry	25 <sup>th</sup> Nov, 2025
Prof. Rajesh Kumar	Department of Physics, IIT Indore	Raman effect: from scattering to spectroscopy and beyond	29 <sup>th</sup> Nov, 2025
Dr. Pruthvi Manjunatha,	University of North Florida	Implementation of Emerging Transportation Technologies in Florida.	9 <sup>th</sup> Dec, 2025
Prof. Ramesh Karri,	NYU, USA	Interaction with faculty members and the students (PhD/ME/BE)	18 <sup>th</sup> Dec, 2025
Dr Haridev	Research Associate at IISc, Bangalore	Inflationary Physics and Cosmological Correlators	16 <sup>th</sup> Dec, 2025
Dr. Manoj Kumar Muthyala	Gyros Protein Technologies, Tucson, USA	Simplifying Peptide Workflows: Direct Immobilization and Modification with PEC 2.0	18 <sup>th</sup> Dec, 2025
Dr. Kapil Dev Sayala	SEQENS, Devens, MA, USA	From Grad School to Industry: A Student's Journey & From Bench to Market: A Product's Path	23 <sup>rd</sup> Dec, 2025

## Distinguished Visitors

On 6 December 2025, the Department of Electronics and Electrical Engineering, hosted Mr Hargovind Bansal (CEO), Mr Rama Mohan Rao Konda (Senior Vice President), and Mr Rakesh Kumar Pandit (Director – External Connect) from HNNIOX India who visited for a meeting focused on 6G collaboration. The discussion centered on emerging 6G technologies and explored the possibility of establishing a dedicated 6G Research and Development Center on campus.



## Students Events

### ATMOS



*Delegates*

ATMOS '25, the techno-management festival of our institute, rose as a radiant celebration of innovation, driven by the theme 'Solaris Surge', where technology burned bright, ideas gained momentum and imagination expanded across a high-energy landscape of creativity, leadership and transformative thinking. Held from 7<sup>th</sup> to 9<sup>th</sup> November, this edition was filled with an exciting lineup of events, talks, workshops, competitions and quizzes.

The festival kicked off with an inauguration ceremony where Prof. Sandeep Shukla, Director of IIIT Hyderabad, shared his wisdom, followed by mesmerizing performances by the cultural clubs of our campus. The festival also boasted an exciting line-up of visionary speakers, with all talks meticulously organised by BITS Embryo Hyderabad. Esteemed personalities such as Ms. Arundhati Bhattacharya (CEO, Salesforce India), Dr. Unnikrishnan Nair (Former Director, VSSC), Dr. B. H. V. S. Narayana Murthy (Vice-Chancellor, DIAT), ACM V. R. Chaudhari (Former Chief of Air Staff), Mr. Ashish Arora (Founder, Physics Galaxy), and Mr. Dharamveer Singh Chouhan (Co-Founder & CEO, Zostel) shared their journeys and insights, offering the audience unique perspectives on leadership, innovation, and success.



*Solar Gazing Workshop by Ad Astra*

Multiple student-led workshops offered a more hands-on experience, with Generative AI, Quantum Computing, Machine Learning, Aerial Surveying, Product Management, Rocket Propulsion and Finance among others. Students from various colleges participated in case study competitions- Break the Case, Zenith, hackathons, various fun events like Cubing ATMOS, Trick of Trade, Anatomy of Murder, CANSAT and many more!

The headliner events invited the best teams from across the country to represent their institutes in fierce battles. With growing combat robotic enthusiasts, Robowars India League proved to be the crowd-puller. With our own Team Thriveforce competing, students excitedly gathered to see these lethal bots conquer the arena. Finally, Auto-Expo and Velocity Vortex, (a comprehensive three-day drone racing league) were organised.



*Robowars Competition*

But with all these exciting events, the festival nights proved even more entertaining. Kaustubh's funny interactions with the audience and pure comedy filled the auditorium with laughter. The second day of the festival had the most awaited events - the musical performances. With Mithoon's soulful compositions and DJ Carnivore bringing his electrifying beats, students were treated to a diverse range of videos.

### SPIC MACAY



*Yakshagana*

To promote for cultural heritage in the campus, the Society for the Promotion of Indian Classical Music and Culture Among Youth (SPIC MACAY) organised a performance of Traditional dance drama of Karnataka-Yakshagana, on 9th August, performed by Shri. Keremane Shivananda Hegde and troupe. The performance has reinforced the commitment in promoting India's diverse classical and folk heritage.

### Blood Donation Drive



*Blood Donation Drive*

In collaboration with PV Narasimha Rao Trust, NSS organised the blood donation drive in the presence of Mr. NV Sudhakiran on 6<sup>th</sup> November in the Student Activity Centre. Assistance from the Medical Centre ensured the success of this initiative.

### Swachhata Pakhwada 2025 - Cleanliness Drive



*Cleanliness Drive*

With the support of campus administration NSS organised cleanliness drive on 27<sup>th</sup> September. Aiming to raise awareness on maintaining a hygienic environment, volunteers from the campus of BITS Pilani, Hyderabad Campus came together to clean various areas, collect litter and dispose waste responsibly.

### Independence Day Visit by NSS



*Independence Day with NSS*

On the account of 79<sup>th</sup> Independence Day, NSS BPHC celebrated it with the bright young minds of MMPS Pothaipally. Medals were distributed to the students who excelled in various competitions, appreciating their efforts, creativity and enthusiasm.

### Letter of Joy



*NIRMAAN - Letter of Joy*

Nirmaan, BPHC has turned tiny gestures which created big impact by collecting anonymous letter and delivering it to the person the letter addressed. In the era of instant messaging and virtual communication, a small handwritten note is charming and brings smile.

### Project Parishkar- Nirmaan

Project Parishkaar, an initiative by Nirmaan, aims to foster the children of the non-teaching staff at BITS to realise their full potential. The project ran throughout the semester, where children from grades 1-10 were tutored by students of the BITS Pilani, Hyderabad Campus in the subjects of Math, Science, Social Science and Languages according to the children's needs.



*Project Parishkar*



## Tedx Event

TEDx BITS Hyderabad 11<sup>th</sup> edition on 16<sup>th</sup> November saw a strong lineup of voices. Speakers included Amol Parashar (actor), Nandini Shrikent (casting director, ZNMD & Gully Boy), Vijender Chauhan (UPSC mentor), LV Navaneeth (CEO, The Hindu), Manisha Ramadass (Paralympics bronze medalist), Santosh Yadav (Everest summiteer, Padma Shri), Mohit Tyagi (maths educator, Competishun), C.K. Kumaravel (co-founder, Naturals), and Kritikka Avasthi (actor & digital creator). A rare mix of cinema, sports, education, media, and entrepreneurship came together on one stage.



TEDx 2025

## Sanskriti

Sanskriti, the annual cultural evening of BPHC was conducted with great enthusiasm and emotion on 14<sup>th</sup> September. The regional associations came together to fill the evening with elegant musical and dance performances. Sanskriti showed the true diversity and richness in culture of our campus and our country as a whole.



Sanskriti - Performance by Umang

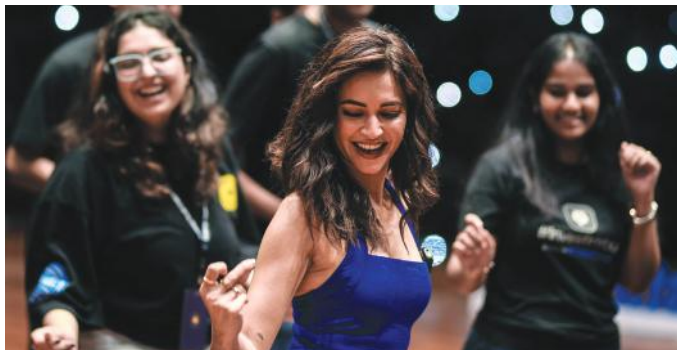
## Fervour

On the evening of 28<sup>th</sup> August, BPHC inaugurated Fervour week, the first fest of the academic year, which marks the commencement of a weekend full of events, games and workshops for freshers. As usual, the performing clubs put on a stellar show for the informal inauguration that left the audience in awe. The next three days saw unique events conducted by the various clubs of BPHC, which also served as an introduction to their respective fields.



Fervour - Talk with Actor Mouli

In collaboration with Embryo and Brindavanam Telugu Samithi, our institute hosted Mouli Tanuj Prashant aka Mouli Talks on the third day. Notably, Under25 conducted a summit at campus which brought actress Kriti Kharbanda, comedian Shivanshu Dwivedi and musician Sufi to perform in the auditorium along with some performances from our students. On the last day of Fervour, the much awaited Prom Night and DJ Night were conducted, which was thoroughly enjoyed by freshers and seniors alike.



Kirti Kharbanda - Under 25 Summit

### InterBits

BPHC welcomed athletes from all five BITS campuses, including BITS Dubai, as the campus transformed into an arena, with the athletes ready to showcase their skills in their respective fields for InterBITS Sports fest. The games were scheduled from the 24<sup>th</sup> to 26<sup>th</sup> of October, with the inauguration ceremony held on the 23<sup>rd</sup> where the long-awaited Sports Meet was formally declared open. The sporting action ensued with the finest athletes from all the campuses locking horns in a bid to bag the coveted silverware.

The three days went by in a jiffy with the athletes going all guns blazing on the field. As the days passed, the final standings began to take shape and eventually, the Hyderabad Campus emerged victorious finishing atop the leaderboard, thereby clinching the InterBITS title. BPGC finished strong as the runners-up of the games followed by BPPC who ended their campaign as the second runners-up.

## Community Welfare Activities

- On 1<sup>st</sup> July, 2025, BITS Pilani, Hyderabad Campus celebrated **National Doctor's Day** by felicitating our dedicated doctors and the entire medical support team for their tireless service to the campus community. To mark the occasion, our Director, Prof. Soumyo Mukherji, formally inaugurated the newly renovated Minor Operation Theatre at the Medical Centre. The upgraded facility is now equipped with advanced medical instruments and features antifungal and antibacterial interiors, ensuring a safer and more hygienic environment for minor procedures.



Volleyball Match between BITS campuses

### Festival Celebrations

The campus celebrated major festivals with great enthusiasm, thoughtfully organized by regional associations to create a homely and inclusive atmosphere for students. Festivals such as Ganesh Chaturthi, Durga Puja, Onam, Diwali, Guru Nanak Jayanti and Janmashtami were celebrated with active participation

- The 79<sup>th</sup> Independence Day was celebrated on 15<sup>th</sup> August, 2025 in BITS-Pilani, Hyderabad Campus in the Block Lawn and Lobby. Independence Day began with an early morning 2.5k and 5k run organized by the Student Welfare Division, which saw participation from students, faculty and staff and their family. Prof Soumyo Mukherji, Director, BITS Pilani Hyderabad Campus hoisted the National Flag. The flag hoisting was followed by patriotic song by students and Faculty members and dance performance by the faculty members. This program, organized by the Community



Welfare Unit, ended with prize distribution for the winners of the run and distribution of sweets to all the attendees.

- BPHC Diwali Celebrations on 18<sup>th</sup> October 2025 Saturday 5.30 to 8 pm in the Old Children's Park. As a part of celebrations, Rangoli competition on the theme of Festivals of India was conducted for elders and Diya decoration competition was conducted for kids. Both the competitions saw huge participants. Two teams were selected as winners from Rangoli and 7 kid's teams were selected for prizes from diya decoration. Food items, snacks and Chat items, Homemade jewellery and a few other interesting stalls were setup by the community members. Games, dance performances and Musical Tambola. All community members enthusiastically participated, prizes were distributed to all the winners and Snacks were distributed to all. Sky lanterns were distributed to kids. The day ended with every family lighting up a lantern

- Men's Day 2025 was celebrated with several activities, and the events conducted were 'Dishing with Dudes' (Cooking Competition), 'The Men-Tastic Show' (Men on Stage), 'Tag Him Right,' 'Walk for Wellness – Stride Together, Miles of Smiles,' 'The Great Stone Chase' (Seven Stones game), a Talk on Fitness, Nutrition and Brain Health by Dr. Niraj Kumar, Professor & Head, Neurology, AIIMS Bibinagar, Hyderabad, and 'Identity Hunt,' along with the distribution of backpacks to outsourced male staff and security personnel and prizes to winning teams.
- Children's Day 2025 was celebrated with a magic show by the Bham Bham Entertainments team on 15<sup>th</sup> November 2025 attended by around 150 children and parents. Fun games and activities for different age groups was organised at the Old Children's Park on 16<sup>th</sup> November 2025, and a jewellery-making workshop for kids on 9<sup>th</sup> November 2025, with prizes, chocolates, balloons, and appreciation gifts distributed to all participants.

## Joining Hands (MoUs)

Name of Organization	Date of Signing	Short Description of the MoU signed
Dhruva Space Private Limited	Sept 2025	In-Orbit Robotics for space applications
Qualcomm	Sept 2025	Qualcomm had generously gifted QIDK devices worth ₹50 lakhs last year to support our B.E. students. They have expressed keen interest in continuing their collaboration with BITS Pilani, Hyderabad Campus, particularly on QIDK kits and other related projects. Prof. Nikumani is leading this collaboration
AMD India Pvt. Ltd	Sept 2025	Collaborative Research with AMD India Pvt. Ltd. : AMD India Pvt. Ltd. has extended support to BITS Pilani, Hyderabad Campus through an equipment transfer for collaborative research. They have donated a 4-GPU System, which is installed in Lab I015. Prof. Abhijit Das is serving as the Principal Investigator (PI) for this project.
The Indo-German Science & Technology Center (IGSTC)	30 <sup>th</sup> Sept 2025	Discussion for exploring strategic collaboration with BITS Pilani
Maithri Aquatech R&D Private Limited	17 <sup>th</sup> Nov 2025	This collaboration emphasizes a deep commitment of BPHC and Maithri Aquatech to work towards development of scalable and future-ready, all-weather Atmospheric Water Harvesting Technologies as well as bring laboratory prototypes to the market.
Humboldt University, Germany	11 <sup>th</sup> Nov 2025	
IFOM ETS – the AIRC Institute of Molecular Oncology, Milan (Italy)	17 <sup>th</sup> Nov 2025	
Mominova Health Tech P Ltd	14 <sup>th</sup> Dec 2025	Matrika – A smart in-bra wearable breast pump with integrated milk analysis and AI based nutritional insights.

# Patents

Title	Investors	Patent/ Application No	Date	Status (Filed/ Granted)
Portable photocatalytic fuel cell	Prof. Naveen Kumar Shrivastava, Mr. Sajith P M, Prof. R N Ponnalagu, Prof. Ankur Bhattacharjee, Prof. Sanket Goel	202511054125	04 <sup>th</sup> 06, 2025	Filed
Traffic Prioritization System with Relay Buffering for Scalable LoRaWAN IoT Applications	Ms. Alekhyia Gorrela, Mr Venkata Suryashashank Gudipudi, Mr. Divyansh Bissa, Prof. Nikumani Choudhury, and Mr. Chetan Surya Reddy Seernam	202511096078	10 <sup>th</sup> Jun, 2025	Filed
A system and method for thermal droplet sorting	Prof. Jayaprakash K S, Prof Sayan Das, Mr. Mutta Sai Rakesh, Mr. Kiran Somiseti	202511060739	25 <sup>th</sup> 06, 2025	Filed
Fluorescent Probe Compound, Process of Synthesis of Compound, Detection Process, and Detection Device of an Analyte	Prof. Das Amitava, Prof. Goel Sanket, Mr. Bej Somnath, Prof. Chattopadhyay Samit, Prof. Dubey Satish Kumar, Ms. Pujari Ramya Priya, Mr. Deepak K S, Dr. Balapure Aniket, Mr. Dutta Sourav	202511062730	1 <sup>st</sup> Jul, 2025	Filed
Dual-Mode Optical Pesticide Detection Device	Prof. Dubey Satish Kumar, Mr. Deepak K S, Ms. Ramya Priya, Prof. Goel Sanket	202511062927	1 <sup>st</sup> Jul, 2025	Filed
Organic Field-Effect Transistor (Ofet) Device and A Method for Fabricating	Prof. Kushagra Arindam, Mr. Goud R Sai Prasad, Mr. Praneeth Neerati, Prof. Goel Sanket, Prof. Rao V Ramgopal	202511063610	3 <sup>rd</sup> Jul, 2025	Filed
A Graphene Based Bovine Serum Albumin Sponge and A Method of Fabricating the Same	Mr. Wasaeem Ahmad Wani, Prof. Kannan Ramaswamy, Prof. Goel Sanket, Mr. Challa Vijay Kumar, Mr. Ankarao Kalluri	202511066778	13 <sup>th</sup> Jul, 2025	Filed
A Novel and Efficient Catalyst System for Enhanced CO <sub>2</sub> Methanation	Mr. A.T. Shinde, Mr. S.A. Singh, Prof. I. Sreedhar	202511068296	18 <sup>th</sup> Jul, 2025	Filed
Method of producing biodiesel using a novel functional catalyst	Mr. Dave AA, Mr Pareek A, Mr. Rajput P, Mr Pore A, Mr. Pramesh MJ, Mr. Ali I, Prof. Abrar I	202511069498	21 <sup>st</sup> Jul, 2025	Filed
System and Method for Performing A Parallel Matrix Multiplication in A Resource Constrained Environment	Prof. Soumya J, Ms. Mekala Bindu Bhargavi, Mr. S Hari Nayan	202511069889	22 <sup>nd</sup> Jul, 2025	Filed
A wearable ElectroChemiluminescence (ECL) Device	Prof. Goel Sanket, Mr. Kumar Abhishek	202511072934	31 <sup>st</sup> Jul, 2025	Filed
System and Method for Real-Time Monitoring and Maintaining Cells Culture Media for Mammalian Cell Growth	Mr. Sai Kishore Jujjuvarapu, Mr. Sohan Dudala, Prof. Sanket Goel, Prof. Satish Kumar Dubey	202511076894	12 <sup>th</sup> Aug, 2025	Filed
Microneedle Array, Applicator and Kit for Targeted Ocular Drug Delivery and Method of Preparation Thereof	Mr. Arawindh R, Mr Vishal Raval, Prof. Venkata Vamsi Krishna Venuganti	202511074841	6 <sup>th</sup> Aug. 2025	Filed
A Mobile-Accessible Multiplexed Electrochemical Processing System	Prof. R N Ponnalagu, Prof. Goel Sanket, Ms. Nair Parvathy, Mr. K Sharan, Mr. S A, Vishal	202513080186 (202511031733 is parent appltn)	24 <sup>th</sup> Aug, 2025	Filed
An Embroidered Textile-Based Sensor and Method of Fabrication Thereof	Prof. Dubey Satish Kumar, Mr. S Deepak K, Ms. Priya Ramya, Prof. Goel Sanket	202511082017	29 <sup>th</sup> Aug, 2025	Filed
A Graphene Bio-Resistor (GBR) And A Process for Fabrication thereof for Detecting Biomarker Myoglobin	Prof. Sayan Das, Prof. Sanket Goel and Ms. Mohsina Afroz	202511118117	Sept 2025	Filed
A Process for Developing an Immunosensor for Electrochemical Detection of Cardiac Troponin I (CTNI)	Prof. Goel Sanket, Prof. Dubey Satish Kumar, Prof. Chattopadhyay Samit, Ms. Nair Parvathy, Ms. Fande Sonal, Dr. Balapure Aniket, Mr. Gurram Narayana Rao	202511083514	3 <sup>rd</sup> Sep, 2025	Filed
Asynchronous valve switching to improve the performance of internally cooled and heated adsorption systems	Mr. Gouse Ahammad Shaik, Prof. Mrinal K Jagirdar	202511084522	5 <sup>th</sup> Sept, 2025	Filed
Method for Identifying Blood-Based Biomarkers for Early Breast Cancer Diagnosis by Multi-Omics Analysis	Ms Amritanjali Kiran, Prof. Ghosh Balaram	202511085187	8 <sup>th</sup> Sep,2025	Filed
Method and system for booting a bootloader for a reduced instruction set computer-v microcontroller	Prof. Joshi Soumya, Mr. Nagarajan Sandeep Kumar Maya, Ms. Bhargavi Mekala Bindu	202511085624	9 <sup>th</sup> Sep, 2025	Filed
Automated Method of Synthesizing A Nanoparticles and A Quantum Dots Using Microfluidics	Prof. Goel Sanket, Mr. Pavar Sai Kumar, Ms. P A Reshma	202511085568	9 <sup>th</sup> Sep, 2025	Filed
Chemotherapeutic thiochromene analogues for the treatment of leishmaniasis	Mr. Murugesan Sankaranarayanan, Mr. Jatin Mailk, Prof. Kondapalli Venkata Gowri Chandra Sekhar	202511087665	12 <sup>th</sup> Sept, 2025	Filed
Sensor Device and Method of Preparing Nano-Molecularly Imprinted Polymer Sensor Device	Ms. K Ramya, Dr. Amreen Khairunnisa, Prof. Goel Sanket, Mr. Lieberzeit Peter Alexander, Ms. Volkle Julia	202511087739	15 <sup>th</sup> Sep, 2025	Filed

Title	Investors	Patent/ Application No	Date	Status (Filed/ Granted)
A Continuous Flow - Flexible Photocatalytic Fuel Cell (F-PFC)	Prof. Naveen Kumar Shrivastava, Mr. Sajith P M, Ms. Parvathy Nair, Prof. R N Ponnalagu, Prof. Ankur Bhattacharjee, Prof. Sanket Goel	202511104346	Oct 2025	Filed
Portable Multiplexed Electrochemical Biosensor for Rapid Pathogen Detection and Antibiotic Susceptibility Testing	Prof. Goel Sanket, Ms. Fande Sonal, Mr. Banerjee Areon	202511124599	10 <sup>th</sup> Dec, 2025	Filed
A mucoadhesive gastric patch	Prof. Venkata Vamsi Krishna Venuganti, Ms. Srivasha Reddy Bollareddy	571996	14 <sup>th</sup> Oct, 2025	Granted
Gas Chromatography for Anaerobic Digestion (GasCAD): Analysing Total Soluble Products	Prof. Sankar Ganesh Palani	202511102216	23 <sup>rd</sup> Oct, 2025	Filed
Sustainable Valorization of Decontaminated Corn Cob Grit Anaerobic Digestion (CoCoGrAnD)	Prof. Sankar Ganesh Palani	202511102633	24 <sup>th</sup> Oct, 2025	Filed
A Continuous Flow - Flexible Photocatalytic Fuel Cell (F-PFC)	Prof. Shrivastava Naveen Kumar, Mr. Sajith P M, Ms. Nair Parvathy, Prof. R N Ponnalagu, Prof. Bhattacharjee Ankur, Prof. Goel Sanket	202511104346	29 <sup>th</sup> Oct, 2025	Filed
Fabrication of a multi-functional nanoformulation combining nanoceria, low-molecular-weight hyaluronic acid and cholecalciferol conjugate for diabetic wound healing. Prafful Pradeep Kothari	Mr. Tonmoy Banerjee, Prof Balaram Ghosh, Prof. Swati Biswas	202511109196	10 <sup>th</sup> Nov, 2025	Filed
Process for synthesis of curcumin loaded zinc oxide nanoflowers coated chitosan-modified cotton gauge	Ms. Sapthami Goswami, Ms. Padaga Sriganga, Prof. Balaram Ghosh, Prof. Swati Biswas	202511107025	10 <sup>th</sup> Nov, 2025	Filed
Flexible Two-Terminal Resistive Radiation Device	Prof. Kushagra Arindam, Mr. Goud R Sai Prasad, Ms. Harshitha M Bavana, Prof. Goel Sanket, Prof. Rao V Ramgopal	202511109623	11 <sup>th</sup> Nov, 2025	Filed
A graphene bio-resistor (GBR) and a process for fabrication thereof for detecting biomarker myoglobin	Prof. Sayan Das, Prof. Sanket Goel, Ms. Mohsina Afroz	202511118117	27 <sup>th</sup> Nov, 2025	Filed
Transferin Functionalized Solid Lipid Nanoparticles for Delivery of Ceftriaxome	Prof. Biswas Swati, Prof. Ghosh Balaram, Mr. Kothari Prafful Pradeep, Mr. Banerjee Tonmoy	202511117864	27 <sup>th</sup> Nov, 2025	Filed
Bioadhesive drug delivery patch	Prof. Venkata Vamsi Krishna Venuganti, Ms. Sony Priyanka Bandi	574842	28 <sup>th</sup> Nov. 2025	Granted
LirGO and Its Derivatives Based Channel Paper Biofet Device, Its Fabrication Method and Use Thereof	Ms. Afroz Mohsina, Prof. Goel Sanket, Prof. Das Sayan	202511119237	29 <sup>th</sup> Nov-2025	Filed
Bioinspired polymeric patch to treat ocular diseases	Prof. Nirmal Jayabalan, Ms. Shruti Mhamane, Prof. Nandini Bhandaru	202511120698	02 <sup>nd</sup> Dec, 2025	Filed
Neuroprotective and Blood-Brain-Barrier Permeable HDAC3 Selective Inhibitors and the Process of Making there off	Prof. Balaram Ghosh, Prof. Swati Biswas, Prof. Vivek Sharma, Ms. Darakhshan Begum, Mr. Sanjeev Regula	202511123114	6 <sup>th</sup> Dec, 2025	Filed

## Students Artworks



Anirudh



Bhargavi



Drishti Maskara



Shakalya



Meghana

## Introducing New Faculty (January - June 2025)

SR	Full Name	Department	Designation
1	Prof. Anjana Krishna S	Humanities and Social Sciences	Assistant Professor, Gr-I
2	Prof. Prajakta Bedekar	Mathematics	Assistant Professor, Gr-I
3	Prof. Nancy Varshney	Electrical & Electronics Engg	Assistant Professor, Gr-I
4	Prof. Bhaswati Chakraborty	Electrical & Electronics Engg	Assistant Professor, Gr-I
5	Prof. Aswin Vinod M	Chemical Engineering	Assistant Professor, Gr-I
6	Prof. Pankaj Kumar	Mechanical Engineering	Professor of Practice
7	Prof. Amrita Chakraborty	Chemistry	Assistant Professor, Gr-I
8	Prof. Arup Ratan Paul	Electrical & Electronics Engg	Assistant Professor, Gr-I

## Editorial Team



Names from left to right - Nyaya Alexander, Lavanya Suresh, Prasanth Inturi, Maya Vinai, Prajna Upadhyay, Vidyesh Panyam

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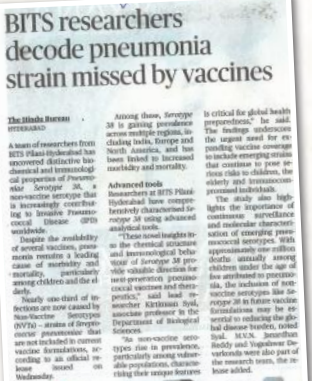
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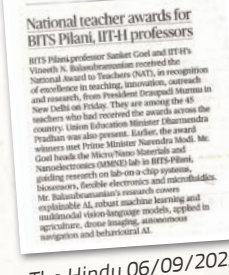
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Birla Institute of Technology and Science, Pilani  
Hyderabad Campus  
Jawahar Nagar, Kapra  
Medchal District  
Telangana, India

Phone: +91-40-66303999

Fax: +91-40-66303998

http://www.bits-pilani.ac.in/Hyderabad