



FOCUS

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Revels 2026

Nirvaah in Motion

The Quadrangle at Manipal Institute of Technology came alive on the evening of February 24, 2026, as Revels 2026 was formally inaugurated in a celebration marked by colour, rhythm, and an unmistakable sense of collective energy. This year’s edition, themed “Nirvaah - The Flow of Creation,” set the tone for a festival that promised not just performances, but an immersive experience of culture, creativity, and continuity.



The inauguration ceremony was graced by distinguished alumnus Prithvi Krishna, an A-grade Mridangam artist with an illustrious career spanning over two decades. Known for his performances on All India Radio and Doordarshan, his journey, from a 15-year career in IT to a full-time pursuit of music, resonated deeply with the spirit of “Nirvaah.” In his address, he appreciated the thematic depth of the festival and commended the vibrant cultural showcase, extending his best wishes to the organizing team and participants.

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MES 2026

Transforming Today, Redefining Tomorrow

The ninth edition of the Manipal Entrepreneurship Summit (MES 2026), organized by the Entrepreneurship Cell (E-Cell), MIT Manipal, unfolded from 12-14 February 2026 as more than an annual event. It became a culmination of months of conversations, experimentation, competition, and collective effort that brought entrepreneurship alive across the campus.

The summit was inaugurated on 12 February 2026 at MIT Manipal in the presence of Mr Shantanu Deshpande, Founder and Chief Executive Officer of Bombay Shaving Company, alongside senior leadership of Manipal Academy of Higher Education (MAHE), faculty members, students, entrepreneurs, and participants from across the country. One of the defining moments of the inauguration was the presentation of the Bharat Yuva Innovation Policy Recommendations 2026 - a student-led policy document developed through the Innovation Policy Consortium (IPC), reflecting the summit’s commitment not only to creating ventures, but also to shaping conversations around innovation and public policy.



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अनुभवामृतम्

Chronicles of a Timeless Legacy



This edition of FOCUS marks the beginning of a new series - **Anubhavamritham: Chronicles of a Timeless Legacy**. It is a collection of memories, reflections, and untold stories from those who have journeyed with Manipal Institute of Technology through the decades.

While Mannapulla Story traced the vision, history, and pioneering spirit behind Manipal Academy of Higher Education and its founder's remarkable initiatives, Anubhavamritham turns the spotlight toward the experiences and ideas that shaped the institution from within.

Through conversations with professors, alumni, staff, and distinguished personalities closely associated with MIT Manipal, this series brings alive moments of inspiration, change, challenge, and growth that have defined the institution over the years...

We invite you to be part of the **Anubhavamritham: Chronicles of a Timeless Legacy**.

“Things come and go, but character remains.” The enduring impact of Professor K Kamalaksha Rao

“Things come and go, but character remains.” It is a simple sentence, spoken without flourish, but in many ways, it captures the life and work of Prof K Kamalaksha Rao, the retired Professor of Mathematics and the cherished former Warden of MIT Hostels, more completely than any list of achievements ever could.

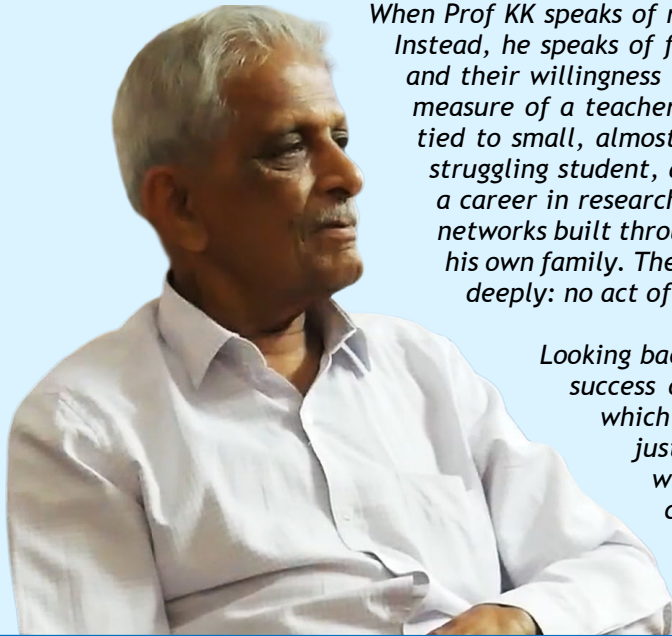
When Prof KK, as known by the student community MIT Manipal till he retired, sits down to reflect on his years at Manipal Institute of Technology, his memories do not unfold as milestones, but as moments: of students, of crises, of quiet interventions that changed lives in ways no formal record could capture. Having begun his journey as a mathematics professor in the 1960s and continuing well into the early 2000s, he witnessed the institution grow from a modest academic space into a thriving, dynamic campus. Yet, for him, the true measure of that journey lies not in infrastructure or numbers, but in the shaping of people.

He speaks of an earlier campus life marked by discipline, strict dress codes, structured routines, and clear expectations. But there is no nostalgia for rigidity in his voice. Instead, there is a quiet conviction: discipline, he believed, was never about control, but about care. It was a way of protecting young students, of guiding them before they could fully guide themselves.

This belief defined his presence on campus. To first-year students, he was often a reassuring figure, someone who could be approached in moments of uncertainty or distress. To seniors, he was known for his firmness, even severity. The contrast, he explains, was intentional. “If you are not strict when needed, you cannot prevent harm,” he reflects, suggesting that discipline and compassion were never opposites, but complements.

The stories he shares bring this philosophy vividly to life. There were nights when he rushed injured students to hospitals, days when he mediated tensions during periods of unrest, and countless quiet instances of care—keeping medicines ready in hostels, checking in on those who fell ill, ensuring no student felt entirely alone. And yet, there were also difficult moments—decisions that demanded firmness, including disciplinary action when the well-being of the larger community was at stake. For Prof. Rao, such choices were never easy, but always necessary.

In the classroom, his approach to mathematics reflected the same clarity of purpose. Mathematics, for him, was never about formulas alone...it was about thinking. It was about training the mind to be precise, logical, and resilient in the face of problems. Even as technology entered classrooms, he remained cautious. Information, he acknowledged, could now be accessed instantly. But understanding, he insisted, still required effort: the slow, deliberate process of working through problems, of writing, of thinking.



When Prof KK speaks of reward, he does not mention recognition or titles. Instead, he speaks of former students, of their gratitude, their respect, and their willingness to give back. That, he suggests, is where the real measure of a teacher lies. Some of his most meaningful memories are tied to small, almost incidental acts of guidance. He recalls helping a struggling student, an intervention that eventually led the student to a career in research and development at Philips. In another instance, networks built through mentorship opened unexpected doors, even for his own family. These moments, he reflects, reaffirm a belief he holds deeply: no act of genuine help is ever wasted.

Looking back, Prof KK does not frame his journey in terms of success or struggle. Instead, he returns to the idea with which he began: character. For him, education was never just about knowledge, it was about shaping individuals who could stand firm, act responsibly, and contribute meaningfully to the world around them.

And in the countless lives he has touched, often quietly, that legacy continues to endure.

PROF K KAMALAKSHA RAO

(Prof K K)

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To listen to the complete conversation in its original form as shared with the students, scan the QR below.



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Editor's Musings

Dear Reader,

Warm greetings from MIT Manipal!

The March 2026 issue of FOCUS captures a quarter that was both academically productive and vibrantly alive with student energy. Alongside workshops, guest talks, alumni engagements, research milestones, and faculty recognitions, the quarter was defined by one of MIT Manipal's most cherished traditions 'Revels 2026', which transformed the campus into a space of creativity, collaboration, and shared celebration.

From its inauguration on 24 February 2026, Revels carried the spirit of "Nirvaah - The Flow of Creation," a theme that beautifully reflected continuity, movement, and artistic expression. The festival brought together performances, competitions, and moments of collective participation, reminding us that in addition to academics, student life is also shaped by imagination, teamwork, and the confidence to step into unfamiliar spaces.

January and March brought a strong calendar of capacity-building initiatives that connected classroom knowledge with contemporary engineering practice. The workshop on "RISC-V From Lab to Market" introduced participants to the journey from open-source hardware to commercial deployment, while the national workshop on Intelligent E-Mobility Systems brought together academic and industrial expertise in electric vehicle design, control, and battery technologies. These engagements reflected the ethos of the institute to stay responsive to both pedagogical change and technological evolution.

The quarter also witnessed a rich sequence of alumni talks and guest lectures that broadened student perspectives on careers, research, and innovation. From UX research and MRI-guided interventions to biomedical ultrasonics, quantum communication, semiconductor careers, and process instrumentation, the sessions demonstrated the value of learning from diverse professional pathways and expert insights.

Equally significant were the scholarly achievements and recognitions that added depth to the quarter's narrative. Faculty members earned doctoral degrees, and awards such as highlighting the research and academic strength of the institute.

As we present this March 2026 edition of FOCUS, we hope it captures both the academic momentum and the celebratory energy that defined the quarter at MIT Manipal. What emerges most clearly is a sense of balance between individual achievement and collective endeavour.

Happy Reading...!

Continued from cover page...

Revels 2026: Nirvaah in Motion



The ceremony was graced by Director Cdr (Dr) Anil Rana, Vice Chancellor Lt Gen (Dr) M D Venkatesh, and Dr Smitha Nayak, Associate Director - Alumni, Public and International Relations, Dr Poornima Kundapur, Associate Director - Student Welfare, alongside an enthusiastic gathering of nearly 800 students, faculty, and guests. Their presence highlighted the institutional support and pride associated with one of India's most celebrated collegiate festivals.

A defining highlight of the evening was the Cultural Parade, a vivid and dynamic display of India's diverse cultural landscape. Teams representing different regions brought stories, traditions, and identities to life through music, dance, and theatrical expression. The performances transformed the Quadrangle into a living canvas of cultural unity, culminating in a well-deserved win for Team "Tulu Naada Vaibhava," whose act paid a rich tribute to the heritage of coastal Karnataka.



The cultural segment opened on a refined note with a classical music presentation by Kalakriya, the institute's music club, made memorable by the Chief Guest himself joining the performance. This seamless blend of mentorship and artistry was followed by an elegant classical dance recital by Student Council Joint Cultural Secretary Shripriya K S, further elevating the evening's artistic tenor.



Behind the scenes, the scale and success of the inauguration reflected months of meticulous planning and collaboration. Spearheaded by the Student Council, with guidance from the Office of the Associate Director, Student Welfare under Dr Poornima P Kundapur and her team, the event

stood as a testament to student leadership and institutional mentorship working in harmony.

Held from 22 February to 28 February 2026, this year's edition of Revels carried forward a legacy that students recognize instantly through lived experience. It is in the late-night practice sessions, the anxious wait before results, the laughter after a performance, and the quiet satisfaction of pulling off something meaningful as a team.

At its core, Revels remains a student-driven effort. The Core Committee and Organizing Committee, composed largely of second- and third-year students, carried the weight of planning, coordination, and execution. What stood out this year was not just scale, but a certain steadiness, events ran on time, transitions felt seamless, and participants moved across venues with a sense of ease that reverberated the idea of its theme- Nirvaah in Motion

Revels 2026 featured 11 cultural categories and over 40 events, each offering its own interpretation of creativity. What made the festival engaging was not just variety, but the distinct identity each category brought with it.

In Dramebaaz, performances stepped beyond conventional stage boundaries. The Nukkad Natak teams drew audiences into circles of conversation, addressing social themes with immediacy and energy. There was no distance between performer and audience, only a shared space of reaction, reflection, and applause.



Meanwhile, Ergo brought a different kind of intensity. Quiz rooms and debate halls buzzed with

concentration. Participants moved quickly between logic and intuition, whether in fast-paced JAM sessions or structured debates. These were quieter spaces, but no less charged, where a well-timed argument or a single correct answer could shift the momentum.



Music found its home in Crescendo, where performances ranged from large-scale band competitions to intimate acoustic sets. The Battle of the Bands drew energetic crowds, while Unplugged created a more reflective atmosphere. Together, they demonstrated how music at Revels is not confined to one genre or mood, it moves fluidly between them.



Dance, through Footloose, brought some of the most visually compelling moments of the festival. From classical solos rooted in tradition to high-energy street battles, the category reflected both discipline and spontaneity. The crowd engagement here was immediate as cheers, claps, and collective anticipation shaped every performance.

In Kalakriti, the pace slowed, but the depth increased. Whether it was painting, collage-making, or installation art, these events invited participants to think, interpret, and create with intention. The themes, ranging from “The Future is Watching” to “Knowledge is Liberation”,

encouraged work that was not only creative but thoughtful.



Iridescent and Anubhuti offered platforms for words. Poetry, public speaking, and literary events created spaces where participants engaged with ideas, language, and emotion. These were moments of introspection within an otherwise high-energy festival.



Even categories like Animania and Xventure added their own distinctive flavour. From anime-inspired challenges to campus-wide treasure hunts and tactical games, they brought in elements of play, strategy, and immersive storytelling.



Across all categories, what emerged was a simple pattern: participation was not limited to specialists. Students stepped into unfamiliar spaces, engineers into theatre, dancers into debates, artists into quizzes, expanding what they thought they could do.

As the sun set, Revels shifted gears. The energy moved from scattered venues to shared spaces, where large gatherings created a different kind of experience.



Comedy Night, headlined by Aaditya Kulshreshth, was one such moment. With over 2,500 attendees, the evening unfolded through relatable humour drawn from everyday life. What made it memorable was not just the performance, but the way the audience responded with laughter that came easily, collectively, and often.

The Proshow, featuring Shaan and Seedhe Maut, brought the festival to a close on a high note. It was an evening that balanced nostalgia with contemporary energy. Shaan's familiar melodies created a sense of shared memory, while Seedhe Maut's performance brought a sharper, more modern edge. With over 10,000 attendees, the scale was significant, but what stood out was the sense of connection within the crowd.



Running parallel to the cultural events was the Revels Cup, a national-level intercollegiate sporting championship. From cricket and basketball to

swimming and athletics, the Cup drew participants from institutions across the country. Here, the atmosphere was different, more structured, more focused, but equally engaging. Matches were competitive, often closely contested, and supported by small but dedicated groups of spectators. The sporting events added another dimension to Revels, reminding everyone that the festival is not limited to cultural expression alone.



Revels 2026 concluded, as it always does, with a sense of completion that is difficult to define. The stages were dismantled, schedules cleared, and the campus gradually returned to its usual rhythm.

But something lingers...

It is in the friendships formed across teams, the confidence gained from stepping onto a stage, the lessons learned in managing people and time, and the quiet pride of contributing to something larger than oneself. Revels, in this sense, is an experience that shapes how students see themselves and their community.

And perhaps that is why, each year, it does not need to announce its significance. It is simply understood, through participation, through effort, and through the many small moments that come together to create something meaningful.

Continued from cover page...

MES 2026: Transforming Today, Redefining Tomorrow



Carrying the theme “Transforming Today, Redefining Tomorrow,” MES 2026 opened with an important reminder: entrepreneurship is rarely built in three days. The summit was the visible peak of a journey that had quietly begun months earlier.



From October onwards, E-Cell’s activities steadily created momentum. Through a series of LinkedIn thought pieces, students explored emerging startup conversations from India’s evolving entrepreneurial landscape to changing patterns of consumer behaviour and digital business. Alongside this, social media campaigns, branding initiatives, startup pitch contests, and creative engagement challenges transformed entrepreneurship into something students could participate in, rather than simply observe.



Internal flagship events such as The Boardroom and Founder’s Gambit introduced students to the realities of business decision-making through simulation-based experiences, encouraging strategic thinking, collaboration, and adaptability. As the summit approached, the energy became increasingly visible.

Startup Storyboard challenged participants to translate ideas into compelling ventures. Conceptio 2026, the national-level ideation, drew more than 550 registrations and eventually brought the top teams to campus to present solutions refined

through mentorship and sustained engagement. After multiple rounds of evaluations, the final offline round hosted 20 teams from across the country, ready to bring forth their refined ideas in front of our judges, Dr Milind Agarwal, CEO of Quickwork Mumbai and Dr Suhas Prabhu, Professor of Practice, School of Basic Sciences, Humanities & Management, MIT Manipal.



Events such as Money Quest demonstrated how entrepreneurship can also be playful and immersive. They turned financial decision-making into a campus-wide experience that blended strategy, competition, and discovery.



One of the most distinctive initiatives of MES 2026 was the Innovation Policy Consortium (IPC) 2026, which brought together E-Cells from institutions across India to collaboratively build policy recommendations for strengthening India’s startup ecosystem. Running parallel to this were unconventional formats such as Postmortem, an interactive ethical decision-making challenge, and Blindspot, a national-level audit and forensic analysis competition that demanded structured thinking under uncertainty.



The summit days themselves created spaces for conversations that moved beyond conventional success stories.

The keynote session by Mr Shantanu Deshpande offered students an unfiltered account of building and scaling a consumer brand in India. Entrepreneur, educator, and author Mr Ankur Warikoo spoke candidly about failures, reinvention, and making meaningful decisions in uncertain career journeys. Actor and creator Ms Sahiba Bali, Building Marketeers and TEDx Speaker brought a different perspective sharing reflections on navigating unconventional paths while remaining authentic.



The Fintech Panel expanded these conversations further by bringing together voices from industry to discuss emerging realities in finance, digital assets, and technology-led transformation.



On the second day, Built by Her became one of the summit's most reflective spaces, where women founders and leaders shared not only stories of achievement but also the everyday realities of building, persisting, and leading in complex environments. The final day captured the scale and spirit of the summit.



The Innovation Mela transformed the MIT campus into an energetic exhibition space with over 150 stalls showcasing startups, student ventures, MSMEs, and research innovations. Drawing more than 30,000 visitors from schools and colleges across the region, it became a visible celebration of ideas moving from imagination to implementation.



The summit concluded with the Influencer's Conclave, where Ms Parul Gulati, Founder of Nish Hair, and Mr Gaurav Taneja, Co-founder of BeastLife, reflected on building identities, businesses, and communities in a rapidly changing digital world.



What lingered after the stages were dismantled and the crowds dispersed was not merely the memory of a successful event, but something more enduring. A sense that entrepreneurship is not confined to startups alone... a realization that it begins with asking questions, building together, taking ideas seriously, and finding the courage to act on them.

EVENTS AT MIT

A Two-Day Symposium on Sensor Innovation & Chemometrics: INNOSENSE'26



The School of Electrical Engineering, Manipal Institute of Technology, Manipal organized INNOSENSE'26, a two-day symposium on sensor innovation and chemometrics, in association with the IAC Electrical Stream and BIS Biotech Student Chapter during 13-14 March 2026.



The keynote sessions were delivered by Dr Rajib Bandyopadhyay, Professor at Jadavpur University, Kolkata. His lectures introduced participants to cutting-edge advancements in electronic nose and tongue technologies, chemometrics, spectroscopy, and sensor innovation.

Combining theoretical depth with practical insights, the sessions highlighted applications in healthcare, food quality assessment, and environmental monitoring. Subsequently, a panel discussion on “Smart Sensors in Sensitive Environments” explored the challenges of

deploying sensing technologies in culturally significant contexts, including issues of calibration, contamination, and ethical considerations.

The other sessions on the first day focused on chemometrics and spectroscopy, emphasizing data-driven analytical approaches and the integration of machine learning in chemical sensing. The second panel discussion examined the transition of laboratory-scale innovations into real-world applications, underscoring the importance of interdisciplinary collaboration in advancing food and environmental analysis.



The second day shifted focus towards innovation and entrepreneurship. A dedicated lecture highlighted startup opportunities in sensor design, pathways for technology commercialization, and



expectations within industry and funding ecosystems, encouraging participants to think beyond academic research.

A major highlight of the symposium was the “Sensor Design Challenge” hackathon, where students from undergraduate, postgraduate, and interdisciplinary backgrounds worked in teams to develop innovative solutions addressing real-world challenges in healthcare, environmental monitoring, and smart systems. The projects were evaluated based on novelty, technical feasibility, societal relevance, and analytical clarity. Participants presented creative ideas involving MEMS-based sensors, AI-integrated systems, and smart monitoring technologies, with a strong emphasis on practical applicability.



The symposium also featured presentations by postgraduate and doctoral scholars, who showcased their ongoing research in advanced sensing technologies, spectroscopic techniques, and chemometric modelling. This segment provided a valuable platform for research dissemination, peer learning, and academic interaction.

The event concluded with a valedictory session and awards distribution ceremony, presided over by Cdr (Dr) Anil Rana, Director, MIT Manipal and attended by dignitaries. Overall, INNOSENSE’26 aimed at innovation-oriented thinking, strengthened industry-academia engagement, and encouraged interdisciplinary collaboration, aligning closely with contemporary technological and societal needs.

Two-Day Workshop on “Synergy AI”



The School of Computer Engineering organized a two-day workshop titled “Synergy AI”, aimed at providing participants with comprehensive insights into modern artificial intelligence technologies and industry practices. The workshop featured experienced industry professionals and focused on key areas such as foundation models, transformers, and emerging trends in agentic AI. Participants gained hands-on exposure to designing next-generation AI agents and building end-to-end LLM-powered systems, along with an understanding of

cloud architecture for scalable deployments. The sessions also highlighted real-world applications of AI across domains and offered opportunities for participants to interact with industry experts. Organized by the School of Computer Engineering in collaboration with the Team Industry-Academia Connect and the Institute Innovation Council, the workshop was coordinated by Dr Rashmi L Malghan, Mr Mohandas Shenoy P, Mr Shanmukharaja M, Dr Sanjana Kavatagi, Dr Girija Attigeri, Dr Sujithra T, and Dr Ushakiran.



Workshop on Assessment Design with Question Generators



The School of Computer Engineering organized a workshop titled “Assessment Design with Question Generators” on 02 March 2026. The session was conducted by Prof Manoharan from the University of Auckland, who introduced the core concepts of question generators and their role in designing scalable, fair, and efficient assessments. The workshop highlighted how abstract question templates can be transformed into multiple variants to assess deeper learning outcomes beyond rote memorization. The session also addressed common misconceptions in multiple-choice

assessments and emphasized the importance of evaluating higher-order thinking skills.

The hands-on component enabled participants to design and generate their own assessment questions using tools such as Dividni, providing a practical framework for integrating question generators into teaching practices. The event was coordinated by Dr Krishna Prakasha K, Additional Professor, and conducted under the guidance of Dr Radhika M Pai, Dean, School of Computer Engineering.



Two-Day Workshop on RISC-V: From Lab to Market



A two-day workshop titled “RISC-V: From Lab to Market” was conducted on 23-24 January 2026 MIT Manipal to enhance understanding of commercialization pathways in semiconductor design. The workshop was organized by the School of Electrical Engineering in collaboration with Anmaya Technologies Pvt Ltd, with strategic support from Manipal Universal Technology Business Incubator (MARInE), the Ministry of Electronics and Information Technology, and the Department of Science and Technology. The workshop was formally inaugurated on 23 January

2026, with Cdr (Dr) Anil Rana presiding over the event. The keynote address was delivered by Nandavara Jayaram Hariprasad, Co-Founder of Anmaya Technologies Pvt Ltd. The chief guest highlighted the growing significance of open-source hardware ecosystems such as RISC-V in driving innovation and entrepreneurship. The program was coordinated by Dr Santhosha Rao and Dr Meenatchisundaram S, faculty, School of Electrical Engineering and was graced by the presence of Dr Jayalakshmi N S, Senior Professor and Dean, School of Electrical Engineering.



The first day of the workshop focused on the fundamentals of the RISC-V ecosystem and RTL design, complemented by hands-on sessions using FPGA platforms, where participants worked through the process from RTL design to bitstream generation. The second day emphasized the ASIC design perspective, covering the complete RTL-to-GDS flow through a combination of lectures and intensive practical sessions. The workshop concluded with a session on the RISC-V startup ecosystem, encouraging participants to explore entrepreneurial opportunities in open hardware technologies. A total of 44 participants attended the workshop.

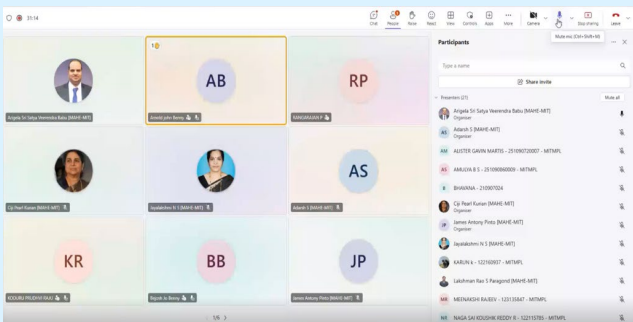
Five-Day National Workshop on Intelligent E-Mobility Systems



The School of Electrical Engineering, MIT Manipal, organized a five-day National Workshop on “Intelligent E-Mobility Systems (Advanced Propulsion, Energy Conversion, Optimization & Battery Management Technologies)” during 16-20 March 2026. The program was organised in association with the Centre of Excellence in E-Mobility and in collaboration with L&T EduTech and MathWorks India Ltd, under the banner of the Institute Innovation Council (IIC) and IAC Electrical Stream.

MathWorks India Ltd, Bengaluru, focused on model-based EV development using MATLAB and Simulink. A key highlight of the workshop was the integration of theoretical concepts with practical insights, including discussions on cybersecurity, over-the-air updates, and AI-enabled mobility. Participants also experienced a virtual tour of the Centre of Excellence in E-Mobility, showcasing advanced research facilities.

Faculty from MIT Manipal, including James Antony, Assistant Professor, School of Electrical Engineering, Siddhartha H, Assistant Professor, School of Electrical Engineering, A S S Veerendra Babu, Assistant Professor, School of Electrical Engineering, and Adarsh S, Assistant Professor, School of Electrical Engineering, delivered sessions on real-time simulation, EV charging infrastructure optimization, battery management systems, and power electronic systems.



The workshop featured expert sessions from academia and industry. P Rangarajan, Technical Expert, L&T EduTech, introduced participants to AUTOSAR architecture and Software Defined Vehicles, highlighting their applications in EV systems. Tharrini Raj, Application Engineer,

The workshop aimed to bridge the gap between academic learning and industry practices in the rapidly evolving electric vehicle (EV) sector, offering participants hands-on exposure to EV system design and control using MATLAB and Simulink tools. A total of 73 participants, including students, faculty, and external attendees, took part in the program.

Workshop on Science with Radiation (WSWR 2026)



The School of Basic Sciences, Humanities & Management, MIT Manipal, organized the second edition of the Workshop on Science with Radiation (WSWR 2026) during 10-11 February 2026. The workshop, themed “Education and Radiation for Good Health and Well-Being,” focused on promoting awareness and responsible applications of radiation in science and technology.

The event was chaired by Dr Sudha D Kamath, Dean, SBSHM. The inaugural session featured addresses by Tarkeshwar Trivedi, Professor, University of Allahabad, Prayagraj and Dr Ashok Rao, Senior Professor of the School of Basic Sciences, Humanities & Management.

Expert lectures covered a range of topics, including gamma-ray astronomy, nuclear physics, and biological responses to radiation, delivered by distinguished speakers such as Dr Sreekumar P, Professor and Director, Manipal Centre for Natural Sciences, MAHE, and Dr Kamalesh Mumbreakar, Additional Professor at Manipal School of Life Sciences.



Participants also benefited from guided visits to advanced research facilities, including the Central Analytical Instrumentation Facility (CAIF), neutron and X-ray irradiation centres, and the planetarium, gaining valuable hands-on exposure to modern radiation technologies.

Key outcomes of the workshop highlighted the role of radiation in material science, particularly in green energy applications, and underscored the importance of interdisciplinary collaboration and enhanced research support.

Supported by Holmarc Opto-Mechatronics Ltd and Ants Innovations, WSWR 2026 concluded on a high note, inspiring participants toward sustainable scientific advancements.



One-Day National Hands-on Workshop on Reinforcement Learning



The School of Electrical Engineering, MIT Manipal, organized a one-day national hands-on workshop on Reinforcement Learning on 14 February 2026. The session commenced with a welcome address by Prof Shreesha C, Professor, School of Electrical Engineering. He highlighted the growing relevance of embedding RL algorithms on advanced platforms such as the Jetson Orin board, setting the context for the workshop.

The keynote session was delivered by Prof J Prakash, Professor of Instrumentation Engineering, Madras Institute of Technology, Anna University. His lecture provided a comprehensive overview of Reinforcement Learning, including its fundamentals and practical necessity in control systems. He further demonstrated the application of RL in tuning PID controllers, offering participants a strong conceptual foundation during the forenoon session.

A major highlight of the workshop was the hands-on session conducted at the Machine Learning for Advanced Process Control (MLPAC) Lab - CPS Enabled. Participants were introduced to the Jetson Orin platform and guided through the process of implementing RL-based controllers on pilot plant setups, including batch reactor and Continuous Stirred Tank Reactor (CSTR) systems. The session also covered essential aspects such as

sensor signal scaling and real-time interfacing, enabling participants to connect theoretical knowledge with practical implementation.



The event concluded with an interactive session where Prof J Prakash engaged with interns at the MLPAC Lab, offering insights into advanced state estimation techniques applicable to batch reactor and CSTR systems. The workshop witnessed the participation of around thirty external attendees from nearby institutions, along with undergraduate students of the BTech (Cyber Physical Systems) programme enrolled in the course Unsupervised Intelligence in Cyber Physical Systems.

Dr I Thirunavukkarasu, Associate Professor Senior Scale and the workshop organizer proposed the vote of thanks.

One-Day Hands-on Workshop on Opensource EDA Tools for Analog & Digital Design Flow



The School of Electrical Engineering, MIT Manipal, in association with IEEE Student Branch Manipal and ChipMIT, successfully organized a One-Day Hands-on Workshop on “Opensource EDA Tools for Analog & Digital Design Flow” on 09 January 2026.

The session was conducted by Mr Vishal Narayana Raju, an alumnus specializing in Microelectronics, who shared his expertise on open-source Electronic

Design Automation (EDA) tools and modern IC design methodologies. The workshop focused on introducing participants to open-source EDA tools and their applications in analog, digital, and mixed-signal integrated circuit (IC) design. It aimed to provide hands-on exposure to open-source IC (OSIC) design flows while highlighting their accessibility, flexibility, and affordability for students, researchers, and startups.

The session began with an overview of the evolving open-source ecosystem in electronic design automation. The speaker explained the effective use of open-source IC tools across analog, mixed-signal, and digital design workflows, emphasizing their growing relevance in modern semiconductor design practices. A key highlight of the workshop was the hands-on training session, during which participants were guided through the setup and use of the OSIC toolchain. Live demonstrations of real design flows enabled participants to understand the end-to-end IC design process using open-source tools.

The workshop also highlighted collaboration practices within the open-source community and provided insights into leveraging community-driven development ecosystems. Participants were introduced to real-world applications of open-source IC design and received guidance on initiating chip design using open tools. The event concluded with an interactive discussion and Q&A session, allowing participants to clarify queries related to

tool usage, design challenges, and career opportunities in semiconductor design. As an outcome of the workshop, participants gained practical exposure to EDA tools and IC design workflows, enhancing their understanding beyond theoretical concepts. The initiative strengthened awareness of opportunities in VLSI design, semiconductor engineering, and open-source hardware development, while reinforcing industry-academia collaboration through accessible technologies.



Three-Day Workshop on Sim-to-Fab Techniques for 5G and mm Wave Antennas



A three-day workshop on “Sim-to-Fab Techniques for 5G and mm Wave Antennas” was conducted from 18 to 20 February 2026 at MIT Manipal. The workshop was jointly organized by the School of Electrical Engineering and the School of Mechanical Engineering in collaboration with the Centre for Advanced Antenna and Microwave Research (CAAMR) and IEEE professional bodies.

keynote lectures on RF systems, antenna design, reflector arrays, and advanced communication technologies.

The workshop covered a comprehensive simulation-to-fabrication workflow, including antenna design using electromagnetic tools, material selection, PCB fabrication, and measurement techniques such as S-parameters, gain, and radiation patterns. Hands-on sessions provided participants with practical training in modelling, optimization, fabrication, and testing of millimetre-wave antennas.



The program aimed to bridge the gap between electromagnetic simulation and practical antenna fabrication, which is critical for modern communication systems such as 5G, 6G, radar, and IoT. The inaugural session featured addresses by Dr Ramchandra Murthy, Associate Director (Development), and Dr Pallavi R Mane, Associate Dean, who highlighted the importance of advanced laboratory facilities and research-driven learning in next-generation wireless technologies. The workshop brought together experts from reputed institutions across India and abroad, who delivered

The program was conducted in a hybrid mode with 25 participants, including undergraduate, postgraduate, PhD scholars, and faculty members. The final day focused on fabrication and measurement sessions, including live demonstrations of antenna testing and performance evaluation, followed by an international expert lecture on antenna booster technologies.



Workshop on Assessment Design with Question Generators



School of Electrical Engineering, MIT Manipal organized a workshop on “Assessment Design with Question Generators” on 2 March 2026. Dr Sathiamoorthy Manoharan, Assistant Dean (International), Senior Lecturer, Faculty of Science in Computer Science at the University of Auckland was the resource person for the event.

During the session, the speaker introduced the concept of question generators as an innovative approach to sustainable assessment design. The session addressed common misconceptions about multiple-choice assessment and demonstrated how well-designed generators can assess higher-order thinking. A demonstration was given on Dividni to design and generate assessment questions within a chosen discipline and to assemble them into an exam or test paper.

Dr Jayalakshmi N S, Senior Professor and Dean, SEE, and Dr Niranjana, Associate Dean, SEE, graced the event. Dr Susan G Varghese and Dr Akash K Rao coordinated the event.

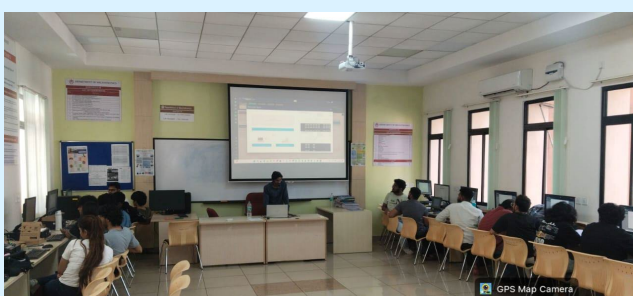


Three-Day Hands-on Training on Edge AIoT Workflow



The Robotics Laboratory of MIT Manipal organized a three-day hands-on training program on Edge Artificial Intelligence of Things (AIoT) Workflow, aimed at equipping students with practical skills in embedded systems, machine learning, and Internet of Things (IoT) technologies. Conducted by Mr Chiranjeevi G of Digtoid Technologies, Bengaluru, the programme provided participants with a comprehensive understanding of integrating sensors, embedded hardware, machine learning models, and cloud-based communication systems.

and operation of modern AIoT devices. A major focus of the programme was the implementation of machine learning on embedded systems. Participants developed real-time sensor data loggers, created anomaly detection models using NanoEdge AI Studio, and deployed these models directly onto STM32 microcontrollers for on-device inference. The training also covered IoT communication protocols such as MQTT and HTTP, enabling participants to connect devices to cloud platforms and monitor sensor data remotely.



The training introduced participants to the fundamentals of Edge AI and IoT systems using the STM32 AIoT Developer Kit, with sessions covering embedded programming, sensor interfacing, real-time data acquisition, and power-efficient edge computing. Through hands-on laboratory exercises, participants learned to acquire and process sensor data, gaining practical exposure to the architecture

The program concluded with the development of a complete AIoT-based light intensity anomaly detection system integrated with cloud monitoring and actuator control. Participants also explored Node-RED for creating IoT workflows and learned to interface and control devices such as DC and servo motors.



Six-Day Additive Technology Enhancement Programme (ATEP-II): Exploring the Frontiers of Additive Manufacturing



The School of Mechanical Engineering, MIT Manipal, organized a six-day Additive Technology Enhancement Programme (ATEP-II) on “Exploring the Frontiers of Additive Manufacturing: From Fundamentals to Future Opportunities” during 9-14 February 2026. The event was supported and sponsored by the National Centre for Additive Manufacturing (NCAM), Hyderabad.



The program was inaugurated by Dr P Giridhar Kini, Registrar, MAHE, Manipal who emphasized the role of additive manufacturing in addressing sustainability challenges and promoting innovation through stronger industry-academia collaboration. Cdr (Dr) Anil Rana, Director, MIT Manipal, highlighted the institution’s commitment to advanced manufacturing through state-of-the-art laboratories, research initiatives, and collaborative opportunities.

The inaugural session also featured addresses by Dr M R Doddamani, IIT Jodhpur, and Dr D V Kamath, Dean, School of Mechanical Engineering, who underscored the transformative potential of additive manufacturing across sectors ranging from aerospace and healthcare to defense and energy.

During the event, participants attended expert lectures by distinguished academicians, researchers, and industry professionals from

premier institutions including IIT Jodhpur, NIT Rourkela, NIT Surathkal, NIT Trichy, NTUT Taiwan, CMTI Bengaluru, Wipro 3D, DRDO, and leading manufacturing companies.

The sessions covered topics such as metal and polymer additive manufacturing, bioprinting, directed energy deposition, construction-scale 3D printing, powder characterization, biomedical applications, and next-generation manufacturing technologies. Hands-on training on CAD modelling, 3D printing, scanning technologies, and laboratory demonstrations provided participants with practical exposure to advanced additive manufacturing tools and processes.



The program concluded with a valedictory ceremony on 14 February 2026, where speakers highlighted the importance of translating the knowledge gained into collaborative research, innovation, and industrial engagement. Participants praised the programme for its blend of technical sessions, laboratory experiences, industrial exposure, and networking opportunities. The program was coordinated by Dr Shivashankarayya Hiremath and Dr Vishwanatha H M, Associate Professors, School of Mechanical Engineering, MIT Manipal.



Two-Day Faculty Development Program on Analysis of Parallel Robot - Stewart Platform



The School of Mechanical Engineering, MIT Manipal, organized a two-day Faculty Development Programme (FDP) on “Analysis of Parallel Robot - Stewart Platform” during 11-12 March 2026 at the MAHE-Janyu Centre of Excellence. The program was designed to provide participants with both theoretical knowledge and practical insights into parallel robotic systems, particularly the Stewart Platform, a widely used mechanism in advanced applications such as flight simulators, precision machining, motion platforms, and robotics research.

The FDP brought together faculty members, researchers, and students interested in robotics, mechatronics, and advanced robotic mechanisms. Training sessions were conducted by industry experts Mr Praveen Rokade and Mr Sanket Kshirsagar from Quantpro Global Pvt Ltd, Pune, who shared their expertise in robotic analysis, motion control, and system design through interactive lectures and demonstrations.

The first day focused on the fundamentals of parallel robots, introducing participants to the architecture, structure, and working principles of the Stewart Platform. Discussions highlighted the advantages of parallel manipulators, including high



stiffness, greater accuracy, high load-carrying capacity, and compact design. Participants also explored the concepts of forward and inverse kinematics, which are essential for understanding and controlling robotic motion.

The second day emphasized the analysis and practical applications of Stewart Platform mechanisms. Sessions covered mathematical modelling, motion control, positioning strategies, and the configuration of six-degree-of-freedom robotic platforms. Through practical demonstrations and discussions on aerospace, simulation, and automation applications, participants gained valuable exposure to modern robotic analysis tools and methodologies.

The programme concluded with positive feedback from attendees, who appreciated the blend of theoretical concepts and hands-on learning in the emerging field of advanced robotics.

Two-Day Workshop on LiDAR Robotics



The IEEE Geoscience and Remote Sensing Society (IEEE GRSS) Student Chapter, MIT Manipal, conducted a two-day LiDAR Robotics Workshop during 12-13 February 2026, providing participants with hands-on exposure to LiDAR sensing technology and its applications in robotics, autonomous systems, and environmental mapping.

The workshop introduced students to the fundamentals of modern sensing technologies that play a critical role in intelligent navigation and spatial awareness systems. The program commenced with an overview of IEEE and IEEE GRSS, followed by sessions on LiDAR (Light Detection and Ranging) technology and the Time-of-Flight (ToF) principle used to measure distances through laser pulses. Participants explored the growing use of LiDAR sensors in autonomous vehicles, robotics, surveying, and geospatial mapping, gaining an understanding of how these technologies enable accurate environmental perception and obstacle detection. As part of the hands-on component, participants worked with the

VL53L0X ToF sensor integrated with the ESP32 microcontroller, along with supporting hardware such as servo motors, motor drivers, and BO motors. Students learned sensor interfacing, embedded systems programming, and data acquisition using Visual Studio Code, enabling them to capture, process, and interpret real-time distance measurements for robotic applications.

The workshop culminated in an interactive robotics activity where participants assembled and programmed LiDAR-equipped robots to scan their surroundings and navigate through a maze environment. The exercise demonstrated the practical application of LiDAR-based sensing for obstacle avoidance and environment mapping.



Three-Day National Workshop on Solar Electric Vehicle Design



The School of Mechanical Engineering MIT Manipal, in collaboration with the Coimbatore Society of Racing Minds (CSRM), Team SolarMobil-MIT Manipal, and the Industry Advisory Committee (IAC) Mechanical Stream, organized a three-day workshop on “Design of Solar Electric Vehicles (DSEV-2026)” during 7-9 February 2026.

sessions covering key aspects of solar vehicle development. Topics included vehicle architecture, battery technologies, power electronics, structural design, CAD assembly, autonomous vehicle systems, Advanced Driver Assistance Systems (ADAS), brake system design, transmission systems, and innovation in electric mobility.



The workshop was inaugurated by Cdr (Dr) Anil Rana, Director, MIT Manipal, who encouraged participants to explore emerging opportunities in sustainable mobility and electric vehicle technologies. Dr D V Kamath, Dean, School of Mechanical Engineering, welcomed the gathering and highlighted MIT’s continued collaboration with CSRM through previous initiatives focused on electric and solar mobility.



Over three days, experts from academia and industry delivered six technical and hands-on

Participants also gained practical exposure through demonstrations using Heliark, Team SolarMobil’s solar-powered vehicle, and hands-on chassis analysis using ANSYS simulation tools. Resource persons included Mr Bharath N B of HL Mando Anand India Pvt Ltd, Mr Karan K of Ramboll Energy, Mr Keshav B of Montra Electric, and Dr Y Ras Mathew, President of CSRM. Their sessions combined industrial perspectives with practical engineering applications, enabling participants to understand the complete design and development process of solar electric vehicles.

Workshop on Machine Learning for Disaster Susceptibility Mapping

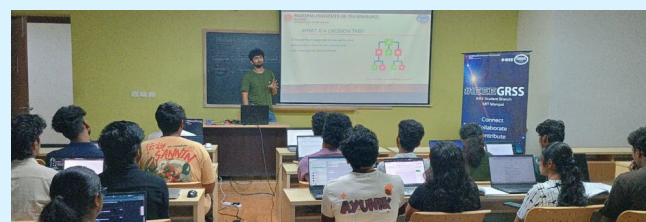


The IEEE Geoscience and Remote Sensing Society (IEEE GRSS) Student Chapter, MIT Manipal, organized a two-day workshop on “Machine Learning for Disaster Susceptibility Mapping” during 10-11 February 2026. The program introduced participants to the fundamentals of machine learning and demonstrated its growing role in geospatial analysis, environmental monitoring, and disaster risk assessment.

decision-tree-based models, learning concepts such as entropy, information gain, and predictive modelling for environmental datasets.

The workshop began with an overview of IEEE and IEEE GRSS, followed by sessions covering key machine learning concepts, including supervised, unsupervised, and reinforcement learning. Participants gained insights into classification techniques used in disaster analysis and explored

A major highlight of the program was the introduction to Random Forests, an ensemble learning technique that combines multiple decision trees to improve prediction accuracy and minimize



overfitting. Through guided hands-on sessions, participants set up Python-based machine learning environments using Anaconda and Jupyter Notebook, and worked with widely used libraries such as NumPy, Pandas, and Scikit-learn to develop predictive models.

Using real-world disaster susceptibility datasets containing environmental variables, participants

trained and evaluated models for identifying hazards such as floods, landslides, droughts, and cyclones. By combining theoretical foundations with practical implementation, the workshop provided valuable exposure to modern machine learning approaches used in remote sensing and disaster management, equipping participants with skills relevant to data-driven environmental decision-making.



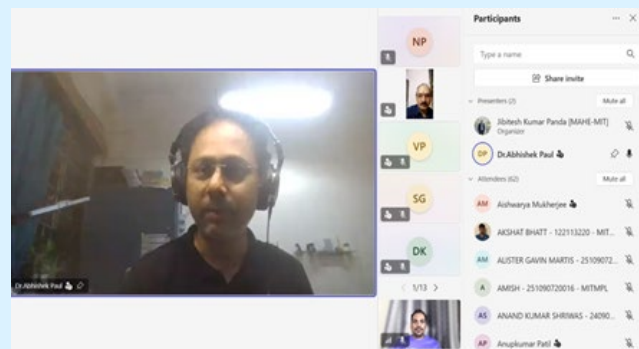
One-Week Online Training Program on Green Hydrogen & Flex-Fuel Technologies for Sustainable Mobility



Under its Celebrating Green Innovation (CGI) initiative, the School of Mechanical Engineering, MIT Manipal, successfully conducted a one-week online training programme on “Green Hydrogen and Flex-Fuel Technologies for Sustainable Mobility” during 13-18 March 2026. The program was designed to address emerging challenges in sustainable transportation by providing participants with insights into green hydrogen, alternative fuels, advanced powertrain technologies, and clean energy solutions.

The program featured expert lectures from renowned national and international academicians specializing in sustainable mobility and energy systems. Sessions covered a wide range of topics, including green hydrogen for transportation, bio-ethanol flex-fuel engine technologies, ethanol-biodiesel fuel blends, hydrogen-powered vehicles, carbon capture systems, advanced hydrogen storage materials, and modern engine control strategies. Speakers from institutions such as the National University of Malaysia, NIT Silchar, Vilnius Tech (Lithuania), NIT Andhra Pradesh, IIT Patna, the Global Automotive Research Centre, and Universiti Malaysia Pahang Al-Sultan Abdullah shared their expertise and latest research developments in the field.

The training programme provided participants with a platform to engage with cutting-edge research and industry practices related to clean energy technologies. Interactive discussions focused on reducing carbon emissions, improving engine efficiency, overcoming hydrogen storage challenges, and exploring future-ready mobility solutions. The program concluded with a strong emphasis on the role of green fuels and innovative technologies in achieving sustainable mobility goals. Coordinated under the leadership of Dr D. V. Kamath, Dean, School of Mechanical Engineering, and Dr Jibitesh Kumar Panda, Convenor, CGI, the programme reinforced MIT Manipal’s commitment to advancing education and research in sustainable engineering and clean energy technologies.



Ten-Day Training Program on Industrial Robotics & Automation: National Academic Immersion Program (NAIP-2026)



The School of Mechanical Engineering, MIT Manipal organized a 10-day on-campus training programme on Industrial Robotics and Automation under the National Academic Immersion Program (NAIP-2026) during 1-10 January 2026.



The programme was inaugurated by Dr Chandrakala C B, Joint Director, MIT Manipal, who highlighted the growing significance of robotics and automation in modern industries and encouraged students to embrace experiential learning. Dr Dattaguru V Kamath, Dean, School of Mechanical Engineering, welcomed the participants and emphasized the programme's role in bridging classroom knowledge with industrial practice.

Over the course of the programme, participants attended expert-led lectures, hands-on laboratory sessions, and visits to advanced research facilities, including the MAHE-Janyu Robotics Centre of Excellence, MAHE-ISAC Centre of Excellence on Cybersecurity, KEF R&D Centre, TechShila, the Innovation Centre, and other key laboratories across the campus. Daily yoga sessions were also

organized to promote physical and mental well-being.

The workshop also included an industrial visit to Manipal Global Print Solutions (MGPS) and cultural excursions to prominent destinations such as Kolluru Mookambika Temple, Marvante Beach, Kodi Beach Sea Walk, Krishna Mutt Udupi, and Hasta Shilpa Heritage Village Museum, providing participants with a broader understanding of the region's cultural and industrial landscape.



The programme concluded with a valedictory ceremony attended by Dr Harish Kumar S, Director (Corporate Relations), MAHE, who highlighted the importance of industry-academia collaboration. A total of 37 students from the Robotics and Automation program of MIT-World Peace University (MIT-WPU), Pune, accompanied by two faculty members, participated in this intensive on-campus training.



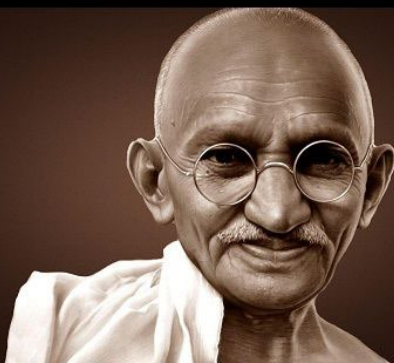
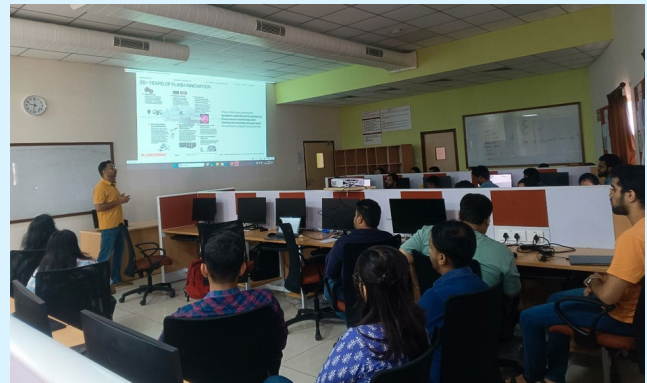
Training session on Shaping the AI-Driven Future for Semiconductor Technology



The School of Electrical Engineering, MIT Manipal, in association with SanDisk, the Institute Innovation Council (IIC), IAC Electrical Stream, and ChipMIT, organized an Industry Connect Training session on “Shaping the AI-Driven Future for Semiconductor Technology” on 30 March 2026. The session was led by Mr Sandeep Shetty, Big Data Engineer at SanDisk India, who shared valuable industry perspectives on the integration of AI into modern engineering workflows.

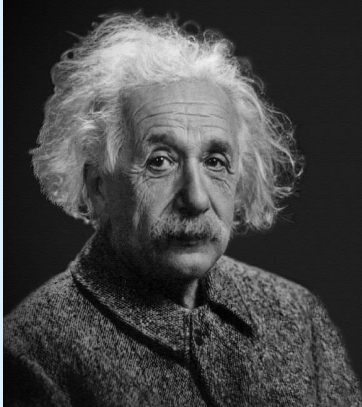
During the session, Mr. Shetty highlighted how AI-driven methodologies are revolutionizing semiconductor design, manufacturing, and system optimization. He discussed key topics including data engineering, cloud-based architecture, machine learning applications, and scalable microservices-based systems. Drawing from real-world industry use cases, he demonstrated how data-driven approaches are enhancing efficiency, accelerating innovation, and addressing complex

challenges in semiconductor development. Participants also gained insights into the role of AWS cloud platforms and advanced analytics in supporting next-generation semiconductor solutions. The training featured an interactive hands-on component that enabled students to explore practical concepts and tools used in AI-enabled engineering environments.



“ The future depends on
what you do today.

Mahatma Gandhi



“ We cannot solve our problems
with the same thinking we used
when we created them.

Albert Einstein

Four-Day National-Level Conclave Magnify 2026



Magnify 2026, a four-day national-level conclave organized by The Consulting Club at Manipal (TCCAM) in collaboration with the School of Basic Sciences, Humanities & Management, and convened by Suhas Dariyashankar Prabhu, Professor of Practice, School of Basic Sciences, Humanities & Management, was successfully conducted at the Manipal Institute of Technology, Manipal, from 26 to 29 March 2026. The four-day event brought together students, entrepreneurs, industry leaders, and innovators from across the country. The conclave served as a platform to explore key themes such as consulting, strategy, entrepreneurship, and problem-solving through keynote sessions, panel discussions, networking opportunities, competitions, and cultural engagements.

The event was inaugurated by Chief Guest Dr Sapna Poti, Director, Strategic Alliances in the Office of the Principal Scientific Adviser to the Government of India, who spoke on the evolving landscape of entrepreneurship and innovation in India. She emphasized the importance of building sustainable and inclusive entrepreneurial ecosystems and highlighted the significance of strategic collaboration. She also discussed Project AMRIT, an initiative aimed at connecting urban entrepreneurship with rural needs, empowering rural entrepreneurs, and promoting innovation-driven development.

A major highlight of Magnify 2026 was the national-level case competition hosted online via Unstop. The competition witnessed participation from premier institutions, including leading IITs and IIMs, making it one of the most competitive segments of the conclave. Sponsored by ChangePay, the

competition challenged participants to design and execute a dynamic and scalable business model. In a unique format, teams implemented and tested aspects of their strategies within their campuses, making the competition highly application oriented. The conclave also featured an engaging panel discussion and fireside chat with industry leaders and entrepreneurs, including Dhyvik G J (ChangePay), Donson D'Souza (Blackfrog Technologies), and Anup Pai (eSamudaay). The discussion focused on building scalable startups, covering topics such as venture capital funding, sustainable growth, business scalability, and challenges in competitive markets. The speakers shared real-world insights from their entrepreneurial journeys, offering participants practical exposure to the startup ecosystem.

Another key highlight of Magnify 2026 was the 18-hour Case-A-thon conducted at TechShila. Thirteen finalist teams participated in this intensive competition, working continuously in a closed environment to solve a real-world startup challenge presented by Malpe Meen, a fish-based delivery startup. The teams developed innovative and scalable solutions, which they presented before startup founders and judges.

The conclave concluded with a vibrant Cultural Night featuring an acoustic performance by Chords and Co, creating an engaging atmosphere for participants. A Plantation Drive was also organized in collaboration with the Ummed Foundation to promote environmental awareness and sustainability. Magnify 2026 successfully fostered learning, innovation, and collaboration, reinforcing its position as a premier platform for aspiring consultants, entrepreneurs, and problem-solvers.



Seminar on Crystallography Research



The School of Basic Sciences, Humanities & Management, MIT Manipal, organized a seminar on recent developments in crystallography research on 3 March 2026. The keynote lecture was delivered by Anand Pal, Associate Professor, MIT Bengaluru, on the topic “The Lost Dimension.”

Dr Pal presented insights from his ongoing research, drawing attention to a significant correction in the scattering formula used in crystallography. He explained how a minor oversight had persisted for nearly a decade, influencing developments in nanoscience, thereby underscoring the importance of precision in scientific research. The event was conducted under the guidance of Sudha D Kamath,

Dean, School of Basic Sciences, Humanities & Management. Dr Akhilesh Ranjan and Dr Vikash Mishra, faculty members of BSHM were the conveners.



Webinar on Quantum Information Theory



The School of Basic Sciences, Humanities & Management, MIT Manipal, organized webinar “Quantum Information Theory” on 26 February 2026.

The session introduced participants to emerging developments in quantum science and its applications in communication technologies. The keynote address was delivered by Dr R Prabhu, Indian Institute of Technology Dharwad, who specializes in quantum information theory and quantum physics. He highlighted the growing role of quantum systems in shaping next-generation innovations beyond conventional technologies. The webinar was conducted under the guidance of Dr

Sudha D Kamath, Dean, and coordinated by Akhilesh Ranjan and Vikash Mishra, Assistant Professors, SBSHM, MIT Manipal.



Invited Talk on Magnetic Materials



The School of Basic Sciences, Humanities & Management, MIT Manipal, organized an invited talk on “Magnetic Materials: Synthesis, Characterization and Application” on 12 February 2026. The session was delivered by Rajshree B Jotania, Professor and Head, Department of Physics, Gujarat University. The talk highlighted recent advancements in magnetic materials and their wide-ranging applications in science and technology.

The programme was coordinated by Dr Ashwatha Narayana Prabhu, Associate Professor, and conducted under the guidance of Dr Sudha D

Kamath, Dean, SBSHM. The event witnessed active participation from faculty members, researchers, and students.



International Guest Lecture Series on Real-Time Machine Learning



The School of Computer Engineering conducted two insightful sessions under its International Faculty Guest Lecture Series on 08 and 10 January 2026, focusing on the evolving landscape of real-time supervised machine learning and its translation into impactful systems. The sessions were delivered by Dr Krishna Mohan Kovur, Senior Data Scientist at University of Alberta, Canada, and Chief Innovation Officer at Banking Labs.



The first lecture, titled “Data to Decisions: Foundations of Real-Time Supervised Machine Learning,” laid emphasis on developing a structured research mindset among students. Participants were encouraged to engage critically with key aspects of machine learning workflows, including problem formulation, dataset characteristics, evaluation metrics, and deployment constraints. The session underscored the importance of identifying underlying assumptions, recognizing limitations, and exploring open research gaps as essential components of meaningful and impactful research. This approach was particularly valuable for postgraduate students preparing for thesis work and research-oriented career paths.



The second lecture, “Research to Impact: Real-Time ML Systems, Applications, and Research Directions,” built upon these foundations by focusing on the transition from theoretical models to deployable, high-impact systems. The talk highlighted critical elements of system design, real-world deployment challenges, and the pathway from research to industry application. Drawing on case studies from financial risk modelling and banking systems, healthcare applications including COVID-19 monitoring, and intelligent livestock and food systems, the session illustrated the broad societal relevance of real-time machine learning.

Additionally, the lecture introduced the concept of Retrieval Augmented Generation (RAG) within real-time machine learning pipelines, providing students with exposure to emerging approaches integrating large language models. The sessions also offered guidance on identifying high-impact thesis and project topics aligned with contemporary research trends, along with valuable insights into career pathways spanning research laboratories, industry machine learning teams, and entrepreneurial ventures.



The lecture series served as a significant platform for bridging foundational knowledge with real-world applications, equipping students with both the mindset and direction required to contribute meaningfully to the field of machine learning.

Online Session on Reliable Deployment Practices



The School of Computer Engineering organized an online guest lecture and workshop titled “Ship It! The Art of Reliable Deployment” on 14th February 2026. The session was delivered by Rohith M N, Systems Development Engineer at Google, Bengaluru, who shared practical insights from his experience in DevOps and reliability engineering. The lecture covered key industry practices,

including deploying on Amazon Web Services using Infrastructure as Code, designing systems for failure resilience, and utilizing golden signals for effective application monitoring. Organized by the Team Industry-Academia Connect, the session provided students with valuable exposure to building robust, scalable, and production-ready systems.

Webinar on Understanding AI Agents & Agentic Systems



The School of Computer Engineering organized a live webinar titled “Understanding AI Agents & Agentic Systems” on 06 February 2026. The session was delivered by Mr Pavan Belagatti, Technology Evangelist at SingleStore, Bengaluru, who is widely recognized as an award-winning tech evangelist and a prominent voice in AI, DevOps, and Data Science. The webinar provided valuable insights into the

emerging paradigm of agentic systems and their role in modern AI applications. Mr Belagatti also shared his journey from marketing to becoming a self-taught developer, inspiring participants with his experiences and expertise. The event was organized by the School of Computer Engineering in collaboration with Team Industry-Academia Connect and Team IIC.

Guest Lecture on AI Trends and Opportunities



The School of Computer Engineering organized a session under the International Faculty Guest Lecture Series titled “Building the Future with AI: Innovation, Trends & Opportunities” on 9 February 2026. The lecture was delivered by Dr Krishna Mohan Kovur, Senior Data Scientist at the University of Alberta, Canada, and Chief Innovation Officer at Banking Labs, Canada.

The session provided valuable insights into emerging trends in artificial intelligence, innovation-driven opportunities, and the evolving role of AI in shaping the future. The event was coordinated by Dr Krishna Prakasha K, Additional Professor, and was held under the guidance of Dr Radhika M. Pai, Dean, School of Computer Engineering.

Guest Talk on Machine Learning-Based Defect Prediction for Electronic Fund Transfer (EFT) Application



The School of Computer Engineering organized a session under the International Faculty Guest Lecture Series titled “Building the Future with AI: Innovation, Trends & Opportunities” on 9 February 2026. The lecture was delivered by Dr Krishna Mohan Kovur, Senior Data Scientist at the University of Alberta, Canada, and Chief Innovation Officer at Banking Labs, Canada.

The session provided valuable insights into emerging trends in artificial intelligence, innovation-driven opportunities, and the evolving

role of AI in shaping the future. The event was coordinated by Dr Krishna Prakasha K, Additional Professor, and was held under the guidance of Dr Radhika M. Pai, Dean, School of Computer Engineering.



Guest talk on Space Technology and Applications



The School of Computer Engineering organized a guest talk titled “Space Technology and Applications” on 24th March 2026. The session was delivered by Dr P. G. Diwakar, ISRO Chair Professor at the National Institute of Advanced Studies (NIAS), IISc Campus, Bengaluru, who shared his expertise in space technology and its diverse

applications. The talk provided valuable insights into advancements in space research and their real-world impact across various domains. The event was held under the guidance of Dr Radhika M. Pai, Dean, School of Computer Engineering, and coordinated by Dr Shreenidhi H. Bhat, Assistant Professor.

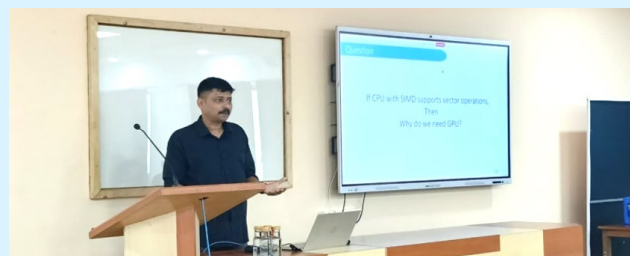
Guest talk on Edge AI: The Next Frontier



The School of Computer Engineering organized a guest talk titled “Edge AI: The Next Frontier” on 28th March. The session was facilitated by Mr Srikanth Shenoy, Founder of Coachbuddy.AI, who shared valuable insights into the emerging field of Edge AI and its transformative potential across various domains.

The talk highlighted how deploying AI at the edge enables faster decision-making, improved efficiency, and enhanced privacy. The event was conducted under the guidance of Dr Radhika M. Pai,

Dean, School of Computer Engineering, and coordinated by Jimcymol James, Assistant Professor.



Guest Talk on Inclusive Engineering for Neurodiversity



The School of Computer Engineering organized an engaging guest talk titled “Engineering Inclusion: Designing Solutions for Neurodiversity” on 27 January 2026, highlighting the critical role of inclusive design in contemporary engineering practice.

The session was delivered by Anoop Simha, Program Coordinator at Ishanya India Foundation, and Swathi Vellal Raghunandan, Founder and Director of the Foundation and a noted TEDx speaker. The speakers emphasized the importance of designing technological solutions that are accessible and responsive to the needs of neurodiverse individuals. The talk highlighted how engineering practices must move beyond standard user assumptions to incorporate inclusivity as a core design principle, ensuring that products and systems are equitable and usable for all sections of society.

Organized in collaboration with the Autism Society of Udupi and Ishanya India Foundation, the session provided valuable insights into the lived

experiences of neurodiverse individuals, and the role engineers can play in fostering inclusion through thoughtful innovation. It also encouraged students and faculty to adopt a more empathetic and user-centric approach in their projects and research. The event was coordinated by Dr Balachandra and Dr Nisha Shetty.



Guest Talk on Quantum-Native Cybersecurity



The School of Computer Engineering at MIT Manipal, organized a high-level research talk focusing on the frontier of “Quantum-Native Cyber: New Research Directions & Enablers”. The session was specifically tailored for MTech Cybersecurity research students to align their academic pursuits with global trends in quantum computing and secure communication.

The event featured Dr Shiva Pokhrel, a distinguished Marie Curie Fellow and Senior IEEE Member from Deakin University. Dr Pokhrel, who also serves as an international faculty member for

the School of Computer Engineering at MIT Manipal, brought extensive expertise in experimental distributed quantum computing and Machine Learning architectures. The core of the discussion



centered on the "Noise-Dominant Quantum Network Regime" and "Entanglement-Anchored Zero Trust" (EAZT). The technical session further explored the coupling between throughput, fidelity, and security. Adding to the academic depth of the session, Dr Gang Li joined the event to provide

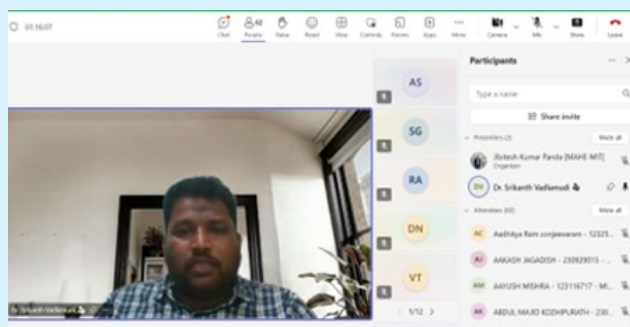
further insights into current research areas. A significant portion of the lecture was dedicated to research methodology and the "FORMULA" for writing high-impact scientific papers. Mr Sudhina Kumar G K, an Assistant Professor, coordinated the talk.

Guest talk on Engineering Efficient Thermal Systems for Sustainable Applications



The School of Mechanical Engineering organized an online guest lecture under its Celebrating Green Innovation (CGI) initiative on 16 February 2026. The lecture, titled "Work, Heat, and Entropy: Engineering Efficient Thermal Systems for Sustainable Applications," was delivered by Dr V Srikanth, Assistant Professor, AU Hyderabad, for sixth-semester Mechatronics students. The session highlighted the importance of thermodynamic principles in the design and development of sustainable and energy-efficient thermal systems.

interactive session encouraged students to think critically about energy efficiency, sustainability, and innovative approaches to thermal system design, providing valuable insights into contemporary challenges and opportunities in thermal and energy engineering.



During the lecture, Dr Srikanth discussed fundamental concepts such as work, heat, entropy, thermodynamic laws, and system irreversibility, while demonstrating their practical relevance through real-world engineering applications. The

Guest talk on Energy-Efficient Electrical Analogy in Heat Transfer



The School of Mechanical Engineering, MIT Manipal, organized an online guest lecture under its Celebrating Green Innovation (CGI) initiative on 18 February 2026. The lecture, titled "Energy-Efficient Electrical Analogy in Heat Transfer," was delivered by Dr Rajesh K, Assistant Professor, Department of Robotics and Automation, Symbiosis Institute of Technology, Pune, for sixth-semester Mechatronics students. The session focused on strengthening students' understanding of heat transfer modeling through electrical analogies and their application in designing sustainable and energy-efficient thermal systems.

lumped parameter analysis, and circuit-based representations of thermal systems. Through practical examples and case-based discussions, he demonstrated how these modeling techniques can be used to improve system efficiency and optimize engineering designs.



During the lecture, Dr Rajesh K discussed the fundamentals of electrical-thermal analogies, thermal resistance and capacitance modeling,

Guest talk on Next-Generation Sustainable Hydrogen Storage Materials

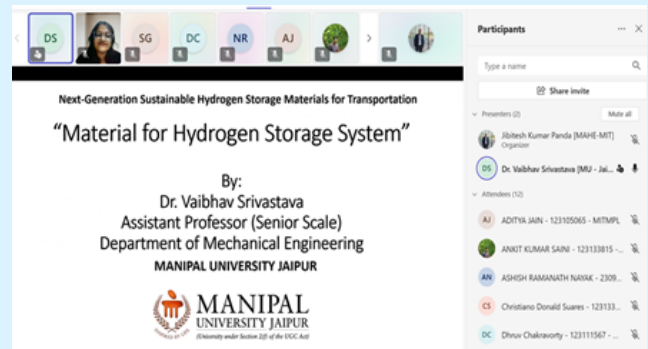


The School of Mechanical Engineering, MIT Manipal, organized an online guest lecture under its Celebrating Green Innovation (CGI) initiative on 23 February 2026. The lecture, titled "Next-Generation Sustainable Hydrogen Storage Materials

for Transportation," was delivered by Dr Vaibhav Srivastava, Assistant Professor (Senior Scale), Department of Mechanical Engineering, Manipal University Jaipur, for students of the Mechatronics program. The session focused on emerging

hydrogen storage technologies and their significance in enabling sustainable mobility and clean energy transitions.

During the lecture, Dr Srivastava discussed the role of hydrogen as a clean energy carrier, challenges associated with its storage, and recent advancements in material technologies for transportation applications. Topics such as solid-state and high-pressure hydrogen storage systems, material design considerations, and future prospects for sustainable mobility were explored. The interactive session encouraged discussions on storage efficiency, safety, and real-world implementation challenges, providing students



with valuable insights into the technological innovations driving the future of green transportation.

Lecture on Inside the Subscription Engine: Designing Intelligent Cloud-Native Commerce Platforms that Scale



The School of Electrical Engineering, MIT Manpal, organized a special lecture titled “Inside the Subscription Engine: Designing Intelligent Cloud-Native Commerce Platforms that Scale” on 17 January 2026. The lecture was delivered by Mr Amit Kumar Padhy, Senior Computer Scientist II at Adobe Inc., USA, and attracted enthusiastic participation from students and faculty members.

Drawing upon more than two decades of industry experience, Mr Padhy shared valuable insights into the architecture of large-scale AI-enabled digital commerce platforms, cloud-native enterprise systems, and the technological foundations that support millions of users worldwide. During the session, the speaker discussed key concepts including microservices architecture, API-first and

contract-first design principles, multi-cloud deployment strategies, event-driven systems, and resilient engineering practices. He highlighted the importance of scalability, fault tolerance, observability, caching strategies, global compliance requirements, and AI-driven personalization in building intelligent subscription commerce platforms.

Participants also gained insights into distributed systems, cloud economics, and emerging trends in enterprise architecture. The event enhanced students’ awareness of industry best practices while strengthening academia-industry collaboration and inspiring them to explore careers in cloud engineering, enterprise architecture, and AI-driven platform development.

Lecture on Cybersecurity in the Real World: A Practitioner’s Perspective



The School of Electrical Engineering organized the second session of its Industry Specialized Lecture Series titled “Cybersecurity in the Real World: A Practitioner’s Perspective on Modern Enterprise Security” on 24 January 2026. The online lecture was delivered by Mr Arun Kumar Elengovan, Director of Engineering Security at Okta, USA, and attracted active participation from students and faculty members.

The session aimed to bridge the gap between academic learning and industry practices by providing insights into identity management, cybersecurity frameworks, and cloud-based

enterprise security systems. Mr Elengovan shared his extensive industry experience and highlighted the growing importance of digital identity as a critical component of modern cybersecurity strategies. During the lecture, participants gained knowledge about identity and access management (IAM), zero-trust security principles, multi-factor authentication (MFA), single sign-on (SSO), and authentication standards such as OAuth, OpenID Connect, and SAML. The speaker also discussed challenges associated with securing large-scale cloud platforms, API security, adaptive access policies, and the use of AI and machine learning for threat detection and prevention.

Lecture on Cryptography in Practice: Today's Security Foundation & the Quantum Challenge Ahead



The School of Electrical Engineering, ECE Branch, organized a lecture titled “Cryptography in Practice: Today’s Security Foundation and the Quantum Challenge Ahead” on 31 January 2026, through the Microsoft Teams platform.

The lecture was delivered by Mr Nandagopal Seshagiri, Senior Software Architect at Okta, USA, who shared valuable insights into modern cryptography, network security, and the emerging challenges posed by quantum computing. Attended by students, faculty members, research scholars, and academic leaders, the session aimed to bridge the gap between theoretical concepts and real-world cybersecurity practices while highlighting the critical role of cryptography in securing digital identities and enterprise systems.

During the session, Mr Seshagiri explained the concept of mathematical asymmetry that underpins modern cryptographic systems and discussed the evolution of identity verification mechanisms from traditional passwords to advanced public-private key-based authentication methods.

He also examined the potential impact of quantum computing on existing security frameworks, introducing participants to quantum algorithms such as Grover’s and Shor’s algorithms and their implications for encryption standards. The lecture further addressed emerging concerns such as the “Harvest Now, Decrypt Later” threat and emphasized the need for transitioning to post-quantum cryptographic solutions.

Lecture on What is Product Management & How AI is Changing It

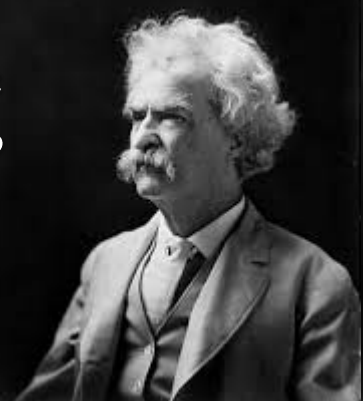


The School of Electrical Engineering organized a special lecture titled “What is Product Management & How AI is Changing It” on 14 March 2026. The session was delivered by Mr. Sandeep Shivam, Associate Director of Product Management at Tavant, USA, and a distinguished product leader with extensive experience in AI-driven platforms and digital transformation. The lecture provided students with valuable insights into the evolving role of Product Management, emphasizing its intersection with business strategy, technology, and user experience. Mr. Shivam highlighted the importance of understanding real user needs through frameworks such as the Double Diamond model and demonstrated how successful products

are built by balancing desirability, feasibility, and business viability. A major focus of the session was the transformative impact of Artificial Intelligence on modern product management. The speaker explained how AI is shifting organizations from “feature thinking” to “outcome thinking,” where success is measured through tangible business and user outcomes rather than product launches alone. He introduced the PATH framework for effective AI adoption and showcased how AI tools can accelerate customer research, specification writing, prototyping, and decision-making. The lecture also explored emerging trends such as dynamic user interfaces, adaptive APIs, and AI-powered product ecosystems.

“Twenty years from now you will be more disappointed by the things you didn't do than by the things you did do.”

Mark Twain



Talk on Building a Career in Semiconductors



The School of Electrical Engineering, MIT Manipal, organized a talk titled “How to Build a Career in Semiconductors: A Taiwan Roadmap for Indian Students” on 07 February 2026. Ms Jennifer Makhecha, Chairman, Taiwan Chamber of Commerce delivered the special talk that offered valuable insights into emerging opportunities in the global semiconductor industry, with a particular focus on Taiwan as a leading hub for innovation and manufacturing.

Ms Makhecha highlighted the increasing demand for skilled professionals in areas such as chip design, fabrication, testing, and packaging, emphasizing that students from electronics and allied disciplines can access strong career prospects by developing a robust technical foundation. She further elaborated on Taiwan’s well-established industry-academia

ecosystem, which provides structured training programs, internships, and government-supported pathways.

The session also outlined a clear roadmap for aspiring students, including identifying suitable universities and specialized training programs, strengthening academic profiles, and applying through official platforms, industry collaborations, and international exchange opportunities.



Talk on Edge AI & the Evolution of Autonomy in Vehicles



The School of Electrical Engineering and the Centre of Excellence in Avionics & Navigation, Manipal Academy of Higher Education (MAHE), jointly organized a guest talk titled “Edge AI & the Evolution of Autonomy in Vehicles” on 06 January 2025.



The session was delivered by Dr Ajit Rao, Vice President, Automotive Systems, Qualcomm, San Diego, USA, a distinguished expert in automotive computing platforms and intelligent vehicle technologies. The talk provided deep insights into the rapidly evolving automotive landscape and the increasing role of Edge Artificial Intelligence (AI) in enabling next-generation mobility solutions.

In his talk, Dr Rao highlighted the transformation of the automotive industry from traditional mechanical systems to centralized, intelligent, and software-defined computing platforms. He identified four key drivers of this evolution: electrification, connectivity, autonomy, and software-defined architectures. Emphasizing the

importance of Edge AI, Dr Ajit Rao, explained that autonomous driving and advanced driver assistance systems (ADAS) require ultra-low latency and real-time decision-making, making on-device intelligence critical for safety.

With vehicles generating large volumes of sensor data through cameras, radar, and LiDAR, the industry is increasingly adopting powerful edge computing systems embedded within vehicles. Dr Rao further discussed the emergence of heterogeneous computing architectures integrating CPUs, GPUs, NPUs, DSPs, and safety components, alongside the growing importance of hardware-software co-design and AI-driven optimization.

The session also explored the shift toward AI-first architectures, where traditional rule-based systems are being replaced by data-driven models such as Vision-Language Models (VLMs) and Large Language Models (LLMs) for perception, reasoning, and human-machine interaction. Dr Rao highlighted how modern vehicles are evolving into intelligent digital environments with features such as voice



assistants, driver monitoring systems, personalized infotainment, and gesture recognition, supported by over-the-air software updates.

The event was coordinated by Dr Pallavi R Mane, Associate Dean, School of Electrical Engineering,

and Dr Pallavi M, Assistant Professor, School of Mechanical Engineering. The event was supported by the IEEE Student Branch Manipal (IEEE SBM), with student coordination led by Mr Yashovardhan Gaikwad, Treasurer and Electronics Head, IEEE SBM.

Talk on RF Sensing and Quantum Communication Fusion

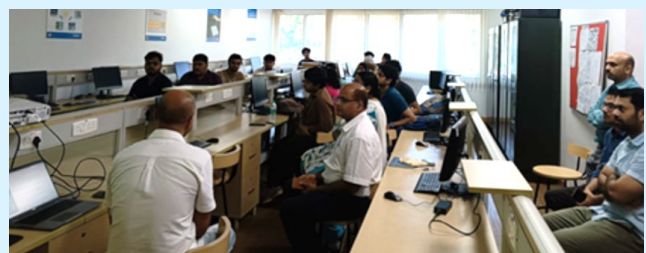


The School of Electrical Engineering, MIT Manipal, organized an invited talk titled “NOT SO Futuristic: The RF Sensing and Quantum Communication Fusion” on 13 February 2026. The talk was delivered by Shiva Raj Pokhrel, Senior Lecturer at Deakin University, a distinguished researcher and Marie Curie Fellow with expertise in quantum technologies, mobile computing, and next-generation communication systems.

In his address, Dr Pokhrel introduced participants to the evolving intersection of radio frequency (RF) sensing and quantum communication, highlighting their potential to enable intelligent and secure wireless networks. He explained how quantum communication, particularly through Quantum Key Distribution, ensures ultra-secure data transmission by leveraging principles such as superposition, entanglement, and measurement disturbance.

The session further explored the integration of RF sensing with quantum systems, presenting the

concept of hybrid communication architectures where classical RF networks coexist with quantum links. Dr Pokhrel illustrated how such systems could enhance sensing accuracy, enable device-free environmental monitoring, and support privacy-preserving applications.



He also provided insights into broader research directions at Deakin University, including quantum machine learning, federated learning, and intelligent edge systems aligned with future communication paradigms such as 6G.

Participants gained an understanding of the role of quantum technologies in secure communication, the capabilities of RF-based sensing, and the emerging convergence of artificial intelligence, wireless systems, and quantum computing. The talk concluded with an interactive discussion, encouraging students to explore interdisciplinary research and innovation in next-generation communication technologies.



Talk on Process Instrumentation & Control



Dr Ravindra D Gudi, Deputy Director, IIT Bombay, addressed Electronics and Instrumentation students and delivered a talk on Process Instrumentation & Control on 20th February 2026 in the School of Electrical Engineering, MIT Manipal.

He provided insights into advanced Control Loops topics. He explained the cascade control, feed-forward control, ratio control and MIMO RGA analysis with derivations.



Expert Talk on Career Opportunities in Defense Technology



An expert talk on “Career Opportunities in Defense Technology” was organized by the School of Mechanical Engineering for MTech first-year students on 16 March 2026 at the MIT Manipal. The session was delivered by Prabhakaran, Senior Scientist at Institute for Defence Scientists and Technologies.

The talk provided an overview of the evolving defence technology landscape in India and globally. Dr Prabhakaran emphasized the growing importance of indigenous innovation and self-reliance in defence systems, highlighting the critical role engineers play in advancing research, development, and deployment of modern technologies. A key focus of the session was on career pathways available to MTech graduates.

The speaker discussed opportunities in public sector organizations, including defence research laboratories, government agencies, and public

sector undertakings, as well as the expanding role of private industries and startups contributing to defence manufacturing, aerospace systems, and advanced materials.

Dr Prabhakaran also outlined the essential skills required for success in this domain, stressing the importance of strong engineering fundamentals, interdisciplinary knowledge, research aptitude, and hands-on experience.



Expert Lecture on Multifaceted Applications of Control Systems in Robotic Manipulators



The School of Mechanical Engineering, MIT Manipal, organized an expert lecture on “Multifaceted Applications of Control Systems in Robotic Manipulators” on 30 January 2026. The session was delivered by Dr Ashish Singla, Professor, Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, who shared insights into the growing role of control systems in modern robotics and intelligent automation.

Drawing on over two decades of experience in teaching, research, and industry, Dr Singla discussed advancements in robotic manipulators, real-time control systems, assistive robotics, wearable devices, and emerging research trends in the field. Through interactive discussions and

demonstrations, students gained exposure to applications involving exoskeletons, modular robotic structures, and advanced control strategies.



Guest Lecture on Emerging Green Innovations in Sustainable EV Technologies

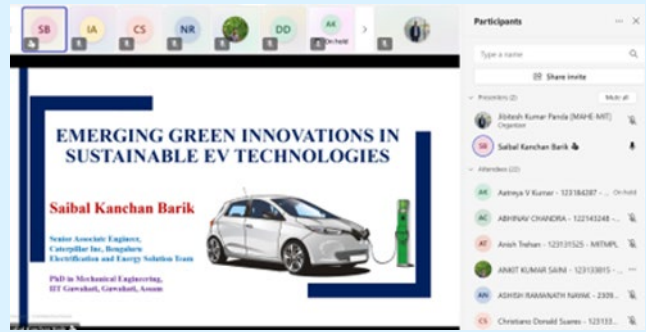


The School of Mechanical Engineering, MIT Manipal, organized an online guest lecture under its Celebrating Green Innovation (CGI) initiative on February 24, 2026. The lecture, titled “Emerging Green Innovations in Sustainable EV Technologies,” was delivered by Dr Saibal Kanchan Barik, Senior Associate Engineer, Caterpillar Inc. and PhD in Mechanical Engineering from IIT Guwahati, for

sixth-semester Mechatronics students. The session provided industry-oriented insights into sustainable electric vehicle technologies and emerging innovations driving the future of green mobility.

During the lecture, Dr Barik discussed the global transition towards electric mobility, advancements in battery and energy storage technologies, thermal

management challenges in EV systems, and the integration of sustainable technologies in heavy-duty and industrial vehicles. Drawing from his industrial experience, he highlighted practical engineering challenges and future trends in electric mobility. The interactive session saw active participation from students, who engaged in discussions on battery efficiency, EV system design, and career opportunities in the sustainable transportation sector, making the program a valuable industry-academia learning experience.



Guest Lecture on Sustainable Energy Transition



The School of Mechanical Engineering, MIT Manipal, organized a guest lecture on “Role of Distributed Hybrid Renewable and Nuclear Power for Sustainable Energy Transition of India” on 2 March 2026. The lecture was delivered by Sudipta De, Professor, Department of Mechanical Engineering, Jadavpur University. He highlighted the importance of integrating decentralized renewable energy sources such as solar, wind, and biomass with reliable baseload nuclear power to ensure a stable and low-carbon energy system. The session



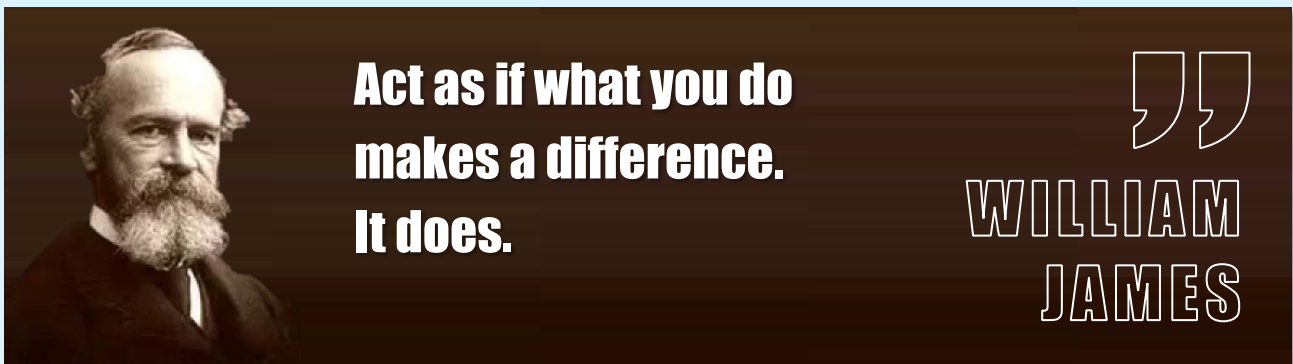
emphasized the role of hybrid energy systems in improving energy access, reducing transmission losses, and enhancing grid resilience. Using concepts such as the “Duck Curve,” the speaker explained the challenges of managing fluctuating energy demand and how hybrid systems can support grid stability. The session concluded with key insights into India’s pathway toward a resilient and sustainable energy future.

Talk on Research on Biomedical Ultrasonics & Photoacoustics



School of Electrical Engineering organized a guest talk by Dr Ratan Kumar Saha, Department of Applied Sciences, Indian Institute of Information

Technology, Allahabad, on the topic “Research on Biomedical Ultrasonics and Photoacoustics: Fundamentals and Applications” on 16 March 2026.



Academic Visit to MIT Manipal by D V S College Students



A group of 42 BSc students, accompanied by five faculty members from D V S College of Arts & Science, Shivamogga, visited the School of Basic Sciences, Humanities & Management, MIT Manipal, on 11 February 2026 as part of an academic exposure programme.

The team was warmly received by Dr Sudha Kamath, Dean, SBSHM, and Dr Sudhakar Y N, Associate Professor and Coordinator, who introduced the students to the academic and research environment at Manipal Academy of Higher Education (MAHE), along with opportunities for higher studies.

An engaging interaction with faculty members and research scholars gave students valuable insights into research practices, career pathways, and internship opportunities. The visit also included guided tours of advanced laboratories, where

students were introduced to key techniques in electrochemistry, spectroscopy, thermal analysis, and molecular characterization, including facilities such as the Electrochemical Workstation, PL Spectroscopy, DSC/TGA, FTIR, UV-Vis, Corrosion Science Lab, and NMR Facility. The visit concluded with a tour of the Physics Laboratory, rounding off a meaningful academic experience.



Academic Visit to MIT Manipal by Mar Thoma College Students



Students from Mar Thoma College, Chungathara, Malappuram, Kerala, visited the School of Basic Sciences, Humanities & Management, MIT Manipal, on 6 February 2026 as part of an academic exposure program.

Dr Sudha Kamath, Dean, SBSHM, and Dr Sudhakar Y N, Associate Professor and Coordinator, welcomed the students to the campus. The opening session provided an overview of the school's academic environment, research initiatives, and its interdisciplinary approach to science and engineering education.

The students were then taken on a guided tour of key laboratory facilities. They visited Research Lab-2, where they observed electrochemical setups, followed by an introduction to the photoluminescence spectroscopy facility and demonstrations of Schrödinger computational software used in modelling and simulation.

The group also explored the DSC-TGA Laboratory, FTIR and UV-Visible Spectroscopy facilities, and the Corrosion Laboratory, gaining exposure to a range of material characterization and analysis techniques.

The visit concluded with an engaging walkthrough of the Physics Laboratory, where students were introduced to experimental setups across various domains, including optics, electronics, and modern physics.



Meditation & Wellness Sessions for First-Year Students



The Office of the Associate Director (Student Welfare), MIT Manipal, organized a series of meditation and wellness sessions from 7 to 10 January 2026 in collaboration with the Sahaja Yoga Meditation Centre. The initiative was designed to support the mental well-being, emotional balance,

and holistic development of first-year undergraduate students as they transition into the academic environment. The program also included a dedicated session for Student Council members and club presidents, focusing on mindful leadership and decision-making.

Each session introduced participants to Sahaja Yoga, a meditation practice founded by Shri Mataji Nirmala Devi, and included guided meditation, experiential exercises, and interactive discussions. The sessions were conducted by trained volunteers, along with contributions from faculty members, industry professionals, and NGO representatives.

The program achieved complete participation, covering all first-year (second semester) student

sections and student leadership groups through multiple parallel sessions. Participants reported benefits such as improved mental clarity, reduced stress, and enhanced focus.

The initiative reflects MIT Manipal's continued commitment to student welfare by integrating structured wellness practices into the academic ecosystem and promoting holistic development among students.



MAHE MIT NSS UNIT

NSS ACTIVITIES



Viksit Bharat Youth Parliament 2026: Udupi District Event

The “Viksit Bharat Youth Parliament 2026” Udupi District program was held at MIT Manipal on 14 March 2026. The event aimed to bring together young minds in a vibrant platform focused on democratic values and nation-building.

The program was inaugurated by Yashpal Suvarna, MLA of Udupi Vidhana Sabha constituency, who highlighted the vital role of youth in shaping the future of democracy. In his address, he emphasized that today's youth must evolve into tomorrow's leaders, actively contributing to nation-building and safeguarding democratic values.

The program was presided over by Cdr (Dr) Anil Rana, Director, MIT Manipal, who appreciated the enthusiastic participation of students and encouraged them to uphold democratic principles and responsibilities. A key highlight of the event was the Youth Parliament session, where participants engaged in thoughtful discussions and debates on pressing issues related to governance, policy, and democratic participation. The winners were felicitated by Chandrakala C B, Joint Director, MIT Manipal, who encouraged students to value democracy as a foundation for individual and national progress.



The event was organized through the collaborative efforts of the Ministry of Youth Affairs and Sports, My Bharat Kendra Udupi, NSS Regional Directorate Office, Bengaluru, and the MAHE MIT NSS Units. The gathering was welcomed by Balakrishna S Maddodi, Convenor and NSS Programme Officer, while

Lakshman Rao proposed the vote of thanks. Harshini Desari and Mahaswetha Laskar were also present on the occasion. The event was smoothly anchored and coordinated by NSS student volunteers, reflecting strong student involvement and organizational spirit.

National Science Day Outreach Program

On the occasion of National Science Day, observed on 28 February 2026, the MAHE MIT NSS Units I & II organized an engaging outreach program for students of Parkala High School at MIT Manipal. Celebrated annually to commemorate the discovery of the Raman Effect by C V Raman, National Science Day served as an ideal platform to introduce young learners to the world of science through interactive sessions and hands-on exposure.

The highlight of the programme was an engaging talk by K Balakrishna, Dean, School of Civil and Chemical Engineering, MIT Manipal. In his address, he seamlessly connected the legacy of Indian scientific achievements with fundamental concepts in Earth Sciences. He explained the significance of the Raman Effect in simple terms, while also introducing students to the rock cycle and the formation of igneous, sedimentary, and metamorphic rocks, relating these concepts to the local coastal environment.

Following the talk, students were taken on a guided tour of the Geology Museum at MIT. The session was led by Aditya Joshi, along with research scholars, who introduced students to a rich collection of

rocks, minerals, and fossils. The hands-on exposure allowed participants to better understand geological processes and appreciate the diversity of Earth materials through real specimens.

The programme concluded with a Cybersecurity Awareness session at the MAHE-ISAC Centre of Excellence for Cybersecurity. The session was delivered by Sudhina Kumar, who introduced students to the importance of safe digital practices in an increasingly connected world. Key topics included common cyber threats such as phishing, malware, hacking, and identity theft, along with practical guidelines for maintaining cyber hygiene.

A major highlight of the session was a live demonstration using Smart City cybersecurity simulation models, which illustrated how cyberattacks can impact critical infrastructure such as traffic systems, power grids, and communication networks.

The programme provided a meaningful blend of scientific learning and experiential engagement, helping bridge the gap between classroom knowledge and real-world applications.



FACULTY ACHIEVEMENTS

Dr Maddasani Srinivasulu Receives National Bronze Medal Award

Dr Maddasani Srinivasulu, Additional Professor of Chemistry, School of Basic Sciences, Humanities & Management, Manipal Institute of Technology, MAHE, Manipal, has been conferred the Bronze Medal Award by Chirantan Rasayan Sanstha (CRS) during the International Symposium “Science Beyond Boundary: Invention, Discovery, Innovation and Society (RASAYAN 22)”. The symposium was jointly organised by CRS and the Department of Applied Sciences, Visvesvaraya Technological University (VTU), Belagavi, Muddenahalli campus, Chikkaballapura, Karnataka, in association with the American Chemical Society (ACS), Royal Society of Chemistry (RSC), and Society of Materials Chemistry (SMC), India, from 8 to 10 January 2026. The award recognises his contributions to research in Chemical Sciences and is conferred following evaluation by a committee of experts in the field. As part of the recognition, Dr Srinivasulu delivered the Bronze Medal Award Lecture titled “Hydrogen Bonding Interactions - Tools to Enhance and Induce Mesomorphism” during the symposium. The award includes a citation signed by the President of CRS and a medallion.



Dr Bhavanari Mallikarjun Receives CRS Young Talent Award

Dr Bhavanari Mallikarjun, Assistant Professor, School of Electrical Engineering, MIT Manipal, received the prestigious CRS Young Talent Award by Chirantan Rasayan Sanstha at the International Symposium on “Science Beyond Boundaries: Invention, Discovery, Innovation, and Society” organized by Chairantan Raysan Sanstha (CRS) and Visweswaraya Technological University (VTU) in association with American Chemical Society, Royal Society of Chemistry, Society for Materials Chemistry, at VTU Institute of Advanced Technologies Campus, Muddenahalli, Karnataka on 8th January 2026.



Dr Balakrishna S Maddodi Honored with Best Educator Award

Dr Balakrishna S Maddodi, Professor at the School of Civil and Chemical Engineering, MIT Manipal, and a member of the State Expert Appraisal Committee (SEAC), Government of India, was conferred the Best Educator Award in recognition of his contributions to education and community service. The award was presented during the Silver Jubilee celebrations of the Universal Coaching Centre, held at Vijayanagar, Bengaluru, under the aegis of the Universal Group of Institutions.



The recognition acknowledges Dr Maddodi’s work in teaching, academic leadership, and student development. The ceremony was attended by academicians, students, and invited dignitaries from across the region. He was felicitated by Member of Parliament (Mysore-Medikeri) Sri Yaduveer Wadiyar, MGR Group Managing Director and Chairman Dr Prakash Shetty, Government of India GST Commissioner Sri Kotraswamy (IRS), Anmurkang Solutions Pvt Ltd Managing Director Sri Ashok Chennagowda, and UCC Managing Director Sri Upendra Shetty.

Best Paper Award for Dr Shilpa Shetty

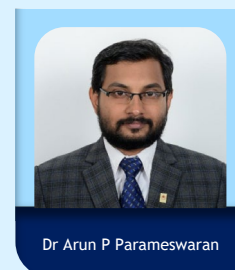
Dr Shilpa Shetty H, Assistant Professor in the School of Basic Sciences, Humanities & Management MIT Manipal, has been awarded the best paper award for the research paper presentation for the paper titled “Corporate social performance and economic growth: An empirical analysis of ESG-driven mutual fund inflows in India” at the International Conference on “Sustainability-Led Transformation in Business and Society” (SLTBS 2026), with the theme of “Towards a Sustainable Future: Reimagining Society through Innovation, Inclusion, and Impact” held between February 25-27, 2026, at Christ University, Bangalore, India.



Dr Shilpa Shetty

Best Paper Award to Dr Arun P Parameswaran

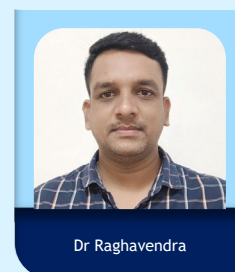
Dr Arun P Parameswaran, Associate Professor, School of Electrical Engineering, MIT Manipal, received the best paper award for the paper titled” Design and simulation of intelligent and conventional PD control for dominant mode vibration suppression in smart structures” in the international conference ICMEST 2026, 13-15 March 2026, held at Sikkim Manipal Institute of Technology, Sikkim, India.



Dr Arun P Parameswaran

Dr Raghavendra Receives IEEE Young Achiever Honours

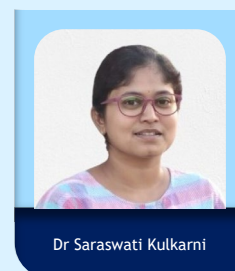
Dr Raghavendra, Associate Professor and IEEE Senior Member at the School of Computer Engineering, MIT Manipal, has been conferred the IEEE Outstanding Young Achiever Award and the IEEE MSS Young Professional Award 2025 by the IEEE Mangalore Subsection. The awards were presented on 3 January 2026 in recognition of his contributions during the year. The citation acknowledges his voluntary service as a Member of the Executive Committee of the IEEE Mangalore Subsection in 2025.



Dr Raghavendra

Dr Saraswati Kulkarni Secures AICTE Grant under Lab to Market Scheme

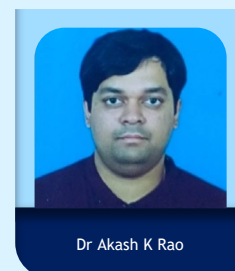
Dr Saraswati Kulkarni, Assistant Professor School of Electrical Engineering, MIT Manipal, has been provisionally selected for funding under the AICTE Research Promotion Scheme (RPS): Lab to Market initiative. Her research proposal, titled “Development of an Affordable Breath VOC Sensor Array System for Lung Cancer Screening” (RPS Application ID: RPS-1-4187991-2025-7321), has been recognized for its potential to advance to Technology Readiness Level (TRL) 6/7, supporting the transition of laboratory research into a viable market-ready solution. A total budget of ₹36,44,000 has been approved for the project, covering contingency expenses, field work and travel support of up to ₹1.5 lakh, and provision for one research staff member. The final approval of the grant is subject to the fulfilment of formal requirements, including vigilance clearance, PGRC compliance, and Extension of Approval (EoA) for the academic year 2026-27.



Dr Saraswati Kulkarni

Dr Akash K Rao Selected for IIT Mandi Young Achiever Award

Dr Akash K Rao, Assistant Professor, School of Computer Science Engineering, MIT Manipal, has been selected for the IIT Mandi Young Achiever Award in the category of Academic Excellence. The recognition has been conferred by the Indian Institute of Technology Mandi following a nomination process that included evaluation and interaction stages. The award is was presented during the Foundation Day celebration of IIT Mandi on 30 March 2026.



Dr Akash K Rao

Dr Manu Patel participates in Oral Presentation at IISc, Bengaluru

Dr Manu Patel U M, Assistant Professor, School of Basic Sciences, Humanities & Management, MIT Manipal, delivered an oral presentation titled “The Importance of Chemical Reactions in the Charging Process of Lithium-Sulfur Batteries” at The Asian Conference on Electrochemical Power Sources - 13, organized by the Indian Institute of Science, Bengaluru, from January 11 to 14, 2026. His presentation highlighted key insights into the role of chemical reactions in enhancing the performance and efficiency of lithium-sulfur batteries, contributing to ongoing research in advanced energy storage technologies.



Dr Manu Patel U M

Dr Dasharathraj K. Shetty: Key Achievements

Dr Dasharathraj K. Shetty, Associate Professor, School of Computer Engineering, MIT Manipal, delivered a TEDx talk at TEDxBVRIT Edition III, Hyderabad on 21 February 2026. His talk, “The AI Skill Paradox: How Deskilling Helps Us Build More,” explored how AI-driven automation can enable higher-order innovation.

Contributed as a faculty speaker at AEMECON 2026 on 15 March 2026. His session, “From Triage to Tech,” highlighted collaborative approaches between emergency medicine professionals & AI technologists to design effective, life-saving solutions.

Conducted a Professional and Personal Development (PPD) session on 31 March 2026 at MAHE, Manipal on “Using AI Tools for Learning and Research.” The session focused on leveraging AI to enhance research methodologies, academic learning, and innovation in medical sciences.



Dr Praveen Shetty Wins Best Documentary Award at Nagpur Film Festival 2026

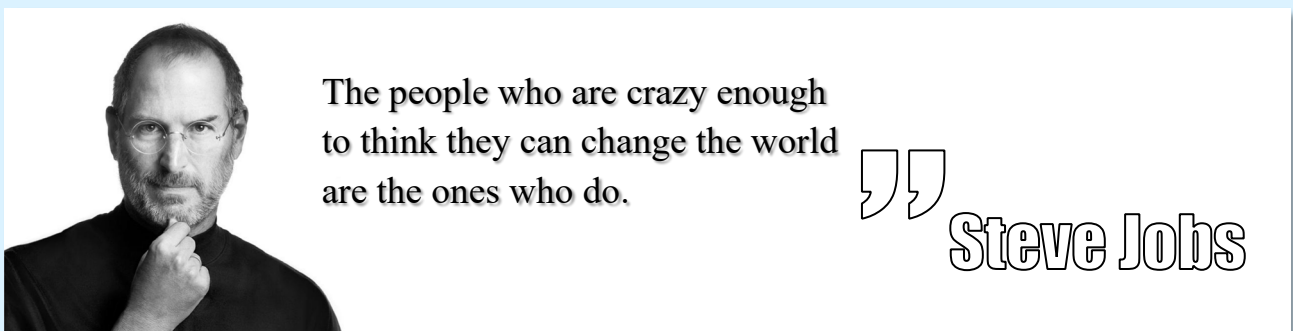
Dr Praveen Shetty, School of Basic Sciences, Humanities & Management, MIT Manipal, received the Best Documentary Award in the Professional Category at the Nagpur Film Festival 2026, held from 27 to 29 March 2026. The award was conferred for the documentary titled “Discerning India Yakshagana”. The festival brought together filmmakers and artists from across the country and featured films across multiple categories focusing on cultural and social themes.

The documentary presents the traditional theatre form of Yakshagana from coastal Karnataka, examining its artistic practices, historical context, and contemporary relevance. The project was produced by the Centre for Intercultural Studies and Dialogue (CISD), MAHE, Manipal. The recognition highlights the contribution of academic institutions to cultural documentation and creative research at a national platform.



Dr Raveendra Rao Served as Resource Person

Dr Raveendra Rao, Associate Professor, School of Basic Sciences, Humanities & Management, MIT Manipal, served as the resource person for a one-day workshop held on March 3, 2026, at Ambika Vidyalaya, Puttur, Dakshina Kannada. The workshop aimed to equip students with essential academic and personal development skills through an interactive and practical approach. The workshop addressed effective examination planning techniques, guiding students in organizing study schedules and improving time management skills.



ENRICHING INSTITUTE LEADERSHIP DIMENSIONS



Dr Smitha Nayak

Associate Director - Alumni Cell, Public, & International Relations

Dr Smitha Nayak, Additional Professor, School of Basic Sciences, Humanities & Management is appointed as Associate Director - Alumni Cell, Public, & International Relations for a period of two years with effect from 01 January 2026.



Dr Suhas M V

Assistant Director - Student Welfare

Dr Suhas M V, Assistant Professor Senior Scale, School of Electrical Engineering, is appointed as Assistant Director - Student Welfare for a period of one year from 27 January 2026.



Dr Shwetha Rai

Assistant Director - Student Welfare

Dr Shwetha Rai, Assistant Professor Senior Scale, School of Computer Engineering, is appointed as Assistant Director - Student Welfare for a period of one year from 01 February 2026.



Dr Mathew Peter

Assistant Director - Innovation & Incubation

Dr Mathew Peter, Assistant Professor, School of Electrical Engineering, is appointed as Assistant Director - Innovation & Incubation for a period of one year from 11 March 2026.



**The time is always RIGHT
to do what is RIGHT.**

Martin Luther King Jr



RESEARCH HIGHLIGHTS

PATENTS

Patent granted to Dr Shwetha V

Dr Shwetha V, Assistant Professor Senior Scale, School of Electrical Engineering, MIT Manipal, Dr Keerthana Prasada (MSIS) and Dr Chiranjay Mukhopadhyay (KMC) were granted a patent on 12 February 2026 for their invention titled “System and Method for Bacteria Detection from the Direct Gram Stain Smear Images” by the Patent Office, Government of India.



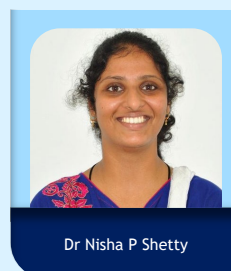
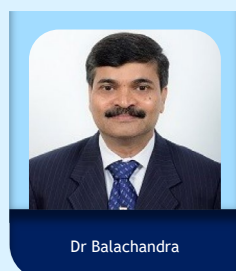
Indian Patent Granted to Dr Chethan & Dr Laxmikant

Dr Chethan K N, Associate Professor, School of Mechanical Engineering, MIT Manipal, and Dr Laxmikant G Keni, Associate Professor, School of Mechanical Engineering, MIT Manipal, along with Mr Saurabh Kumar and Dr Rashmi Nayak, faculty members, MCODS, have been granted an Indian patent for their collaborative invention. The patent, titled “An Intra Oral Device for the Reduction of Aerosol in Dentistry,” was granted on 07 April 2026 by the Patent Office, Government of India under Patent No. 586476, with Application No. 202341063498.



Dr Balachandra & Dr Nisha have been Granted an Indian Patent

Dr Balachandra, Professor, School of Computer Engineering, MIT Manipal, and Dr Nisha P Shetty, Associate Professor, School of Computer Engineering, MIT Manipal, have been granted an Indian patent for their research on data privacy and security. The patent, titled “System and Method of a Selective Identity Attribute Based Encryption Scheme to Prevent Privacy Breaches,” was granted on 31 March 2026 by the Patent Office, Government of India under Patent No. 583787, with Application No. 202341019162.



PUBLICATIONS IN HIGH IMPACT FACTOR JOURNALS

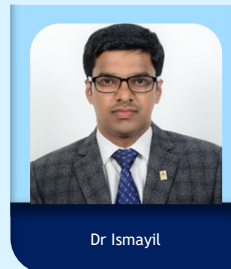
Dr B Shivamurthy, School of Mechanical Engineering, MIT Manipal, published a review paper titled "Repurposing invasive plants: A sustainable solution for environmental restoration" in a high impact journal.

Journal: Renewable & Sustainable Energy Reviews (Elsevier)
Impact Factor: 16.3



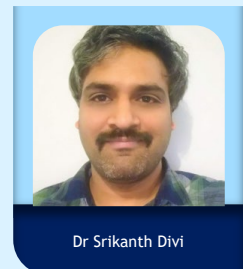
Mr P C Dhanush, Research Scholar and Dr Ismayil, Associate Professor, School of Basic Sciences, Humanities & Management, MIT Manipal published a paper titled " Ionic transport and structural analysis of zinc chloride doped κ -carrageenan solid polymer electrolytes for energy storage devices" in a high impact journal.

Journal Name: Journal of Energy Storage, Elsevier
Impact Factor: 9.8



Dr Srikanth Divi, Assistant Professor, Chemical Engineering, MIT Manipal published a paper titled "Functionalization of Boron Nitride Nanotubes for Hydrogen Storage Applications" in a high impact journal.

Journal: International Journal of Hydrogen Energy (Elsevier)
Impact Factor: 8.3



**“ The real voyage of discovery
consists not in seeking
new landscapes,
but in having new eyes.**

MARCEL PROUST

PhD AWARDEES: FACULTY MEMBERS



Dr Vidhya V

Assistant Professor Senior Scale, School of Computer Engineering

has successfully defended her Doctoral thesis titled “Development of an automated system for the assessment of Traumatic Brain Injury using Computed Tomography Images” for the award of a PhD degree by MAHE, Manipal, on 29 December 2025. The research work was guided by Dr Raghavendra U, Professor and co-guided by Dr Anjan Gudigar, Associate Professor, School of Electrical Engineering, MIT Manipal.



Dr Navya K T

Assistant Professor Senior Scale, School of Electrical Engineering

has successfully defended her Doctoral thesis titled “Detection & Classification of Anemia from Blood Smear Images using Machine Learning Techniques” for the award of a PhD degree by MAHE, Manipal, on 19 December 2025. The research work was guided by Dr Keerthana Prasad, Professor & Director, Manipal School of Information & Sciences, Manipal.



Dr Vishnu Sharma

Assistant Professor, School of Civil & Chemical Engineering

has successfully defended his Doctoral thesis titled “Transport and Adsorption-Desorption of Heavy Metals & Metalloids in Agricultural Soils of Swarna Madisal River Basin, Udupi, India” for the award of a PhD degree by MAHE, Manipal, on 02 December 2024. The research work was guided by Dr H N Udayashankar, Professor (Retd.), Department of Civil Engineering, MIT Manipal, and co-guided by Dr K Balakrishna, Professor & Dean, School of Civil & Chemical Engineering, MIT Manipal.



Dr Soumya Nandan Mishra

Assistant Professor, School of Computer Engineering

has successfully defended his Doctoral thesis titled “Adaptive Routing in Low Power and Lossy Networks for Mission-Critical IoT Applications” for the award of a PhD degree by IIT Guwahati, on 30 January 2026. The research work was guided by Dr Manas Khatua, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology Guwahati.



Dr E Shreehari

Assistant Professor, School of Computer Engineering

has successfully defended his Doctoral thesis titled “Feature Selection Techniques to Enhance Machine Learning Models for Prediction and Decision Making in Multidisciplinary Data Driven Applications” for the award of a PhD degree by VIT, Tamil Nadu, on 12 January 2026. The research work was guided by Dr Dhinesh Babu L D, Vellore Institute of Technology, Vellore.



Dr Seniorita Deb

Assistant Professor, School of Electrical Engineering

has successfully defended her Doctoral thesis titled “Design of Energy Efficient Analog to Digital Converters for Edge Inference” on 6 January 2026. She has done her research work at IIT Kharagpur, India, as Prime Minister Research Fellow under the guidance of Dr Bibhu Datta Sahoo, Professor, University at Buffalo, USA and with co-guidance of Prof Prabir Kumar Biswas, Professor, IIT Kharagpur



Dr Siddhartha

Assistant Professor Senior Scale, School of Electrical Engineering

has successfully defended his Doctoral thesis titled “Strategic Siting and Sizing of Fast EV Charging Stations in Emerging Urban Contexts: A Multi-objective Optimization Approach Incorporating Traffic Congestion” for the award of a PhD degree by IIT Guwahati, on 25 January 2026. The research work was guided by Dr E S N Raju P, Assistant Professor, School of Energy Science and Engineering, IIT, Guwahati.



Dr Mahesh Anil Inamdar

Assistant Professor, School of Mechanical Engineering

has successfully defended his Doctoral thesis titled “Discriminability and Uncertainty Analysis of Computed Tomography Images for the Development of an Automated System in the Assessment of Ischemic Brain Stroke” for the award of a PhD degree by MAHE, Manipal, on 19 March 2026. The research work was guided by Dr Anjan Gudigar, Associate Professor, School of Electrical Engineering, and co-guided by Dr Raghavendra U, Professor, School of Electrical Engineering, MIT Manipal.



Dr Suhas M V

Assistant Professor Senior Scale, School of Electrical Engineering

has successfully defended his Doctoral thesis titled “A Dynamic Functional Connectivity Network Analysis of Resting-State MEG in Patients with Drug Resistant Focal Epilepsy” for the award of a PhD degree by MAHE, Manipal, on 16 March 2026. The research work was guided by Dr Anitha H, Professor, School of Computer Engineering, MIT Manipal.



Dr Divya Shetty

Assistant Professor Senior Scale, School of Electrical Engineering

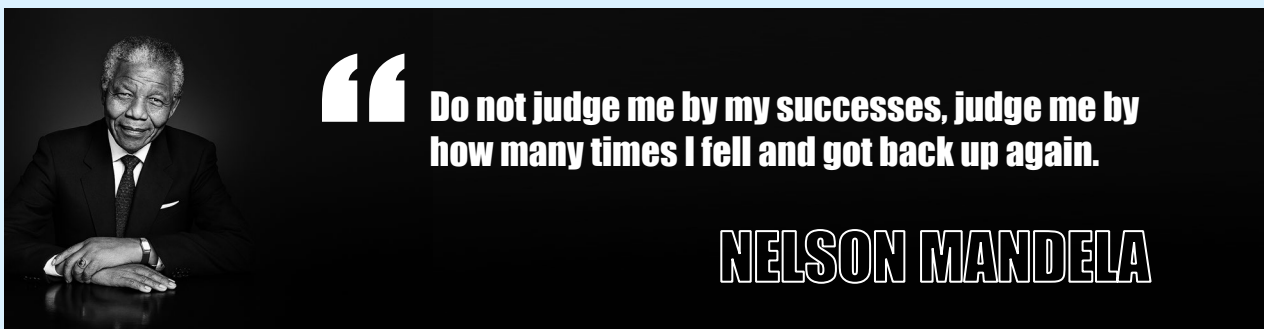
has successfully defended her Doctoral thesis titled “Performance Evaluation of PMSM - based Solar Water Pumping System under Partial Shading Conditions” for the award of a PhD degree by Manipal Institute of Technology, MAHE, Manipal, on 14 March 2026. The research work was guided by Dr Jayalakshmi N S, Senior Professor & Dean, School of Electrical Engineering, MIT Manipal.



Dr Divya D Shetty

Assistant Professor Senior Scale, School of Mechanical Engineering

has successfully defended her Doctoral thesis titled “Thermal Management Systems for Li-ion Battery Module” for the award of a PhD degree by MAHE, Manipal, on 23 March 2026. The research work was guided by Dr Chandrakant R Kini, Professor, School of Mechanical Engineering, MIT Manipal.



PHD AWARDEES: FULL TIME RESEARCH SCHOLARS



Dr Swathi T

Full-time Research Scholar, School of Basic Sciences, Humanities & Management

defended her Doctoral thesis titled “Synthesis and Characterization of Novel Porous Organic Polymer for Water Treatment Applications” for the award of the PhD degree by MIT Manipal, on 16 January 2026. The research work was guided by Dr M P Yashoda, Professor, School of Basic Sciences, Humanities & Management, MIT Manipal.



Dr Sharini D L

Full-time Research Scholar, School of Electrical Engineering

defended her Doctoral thesis titled “Channel Modelling and Estimation in Intelligent Reflecting Surface Based Wireless Communication Systems” for the award of the PhD degree by MIT Manipal, on 23 January 2026. The research work was guided by Dr Ravilla Dilli, Professor and co-guided by Dr Kanthi M, Professor, School of Electrical Engineering, MIT Manipal.



Dr Prabhu Gurunathappa Sheelavantar

Full-time Research Scholar, School of Civil and Chemical Engineering

defended his Doctoral thesis titled “The Effect of Rebar Corrosion on Bond Characteristics and Performance of Alkali-Activated Reinforced Concrete Beams” for the award of the PhD degree by MIT Manipal, on 05 February 2026. The research work was guided by Dr Poornachandra Pandit, Associate Professor and co-guided by Dr Shreelaxmi Prashant, Additional Professor, School of Civil & Chemical Engineering, MIT Manipal.



Dr Sharath Kumar Shettigar,

Full-time Research Scholar, School of Basic Sciences, Humanities & Management,

defended his Doctoral thesis titled “Wavelet Based Numerical Solution of Boundary-Layer Equations” for the award of the PhD degree by MIT Manipal, on 09 February 2026. The research work was guided by Dr Nagaraj N Katagi, Professor and co-guided by Dr Harinakshi Karkera, Assistant Professor, School of Basic Sciences, Humanities & Management, MIT Manipal.



Dr Gautham A Amin

Full-time Research Scholar, School of Mechanical Engineering

defended his Doctoral thesis titled “Numerical Investigations on Stability Enhancement of a Subsonic Axial Flow Fan Using Active and Passive Flow Control Techniques” for the award of the PhD degree by MIT Manipal, on 10 February 2026. The research work was guided by Dr Pramod B Salunkhe, Additional Professor and co-guided by Dr Chandrakanth Kini, Professor, School of Mechanical Engineering, MIT Manipal.



Dr Manasa R Shankar

Full-time Research Scholar, School of Basic Sciences, Humanities & Management

defended her Doctoral thesis titled “Investigation on Thermoelectric Performance of Co-Doped In and Sn-Based Chalcogenides for Flexible TEG Applications” for the award of the PhD degree by MIT Manipal, on 12 February 2026. The research work was guided by Dr Ashwatha Narayana Prabhu, Associate Professor, School of Basic Sciences, Humanities & Management, MIT Manipal.



Dr Md Mohsin M Dafedar

Full-time Research Scholar, School of Civil and Chemical Engineering

defended his Doctoral thesis titled “Evaluating the Performance and Durability of Solid Masonry Blocks Produced with Recycled Concrete Aggregates” for the award of the PhD degree by MIT Manipal, on 23 February 2026. The research work was guided by Dr Balakrishna Rao K, Professor (Retired), and co-guided by Dr B H Venkataram Pai, Professor (Retired), Department of Civil Engineering, and Dr Kiran Kumar Shetty M, Professor, School of Civil and Chemical Engineering, MIT Manipal.



Dr Avinash K Hegde

Full-time Research Scholar, School of Mechanical Engineering

defended his Doctoral thesis titled “A Study on Innovative Design of a Solar Air Heater for Thermo Hydraulic Performance Enhancement” for the award of the PhD degree by MIT Manipal, on 02 March 2026. The research work was guided by Dr K Vasudeva Karanth, Professor, School of Mechanical Engineering and co-guided by Dr B Raghuvir Pai, Professor (Retired), Department of Civil Engineering, MIT Manipal.



Dr Jagadish K A

Full-time Research Scholar, School of Basic Sciences, Humanities & Management

defended his Doctoral thesis titled “Investigation on Copper Oxide-Titania Heterostructure Deposited by DC Magnetron Sputtering for Optoelectronic Applications” for the award of the PhD degree by MIT Manipal, on 14 March 2026. The research work was guided by Dr Dhananjaya Kekuda, Professor, School of Basic Sciences, Humanities & Management, MIT Manipal.



Dr Abhilash Kumar K A

Full-time Research Scholar, School of Civil and Chemical Engineering

defended his Doctoral thesis titled “Performance of Alkali Activated Angular Artificial Aggregates in Concrete” for the award of the PhD degree by MIT Manipal, on 16 March 2026. The research work was guided by Dr Kiran Kumar Shetty M, Professor, School of Civil and Chemical Engineering, MIT Manipal.



Dr Tangsali Param Alias Babli Rudraji

Full-time Research Scholar, School of Basic Sciences, Humanities & Management

defended his Doctoral thesis titled “Computational Analysis of Boundary Layer Flow for Generalised Newtonian Fluids” for the award of the PhD degree by MIT Manipal, on 23 March 2026. The research work was guided by Dr Nagaraj N Katagi, Professor and co-guided by Dr Ashwini A Shenoy, Associate Professor, School of Civil and Chemical Engineering, MIT Manipal.



Dr Sujana C

Full-time Research Scholar, School of Basic Sciences, Humanities & Management

defended her Doctoral thesis titled “Designing Visible-Light Absorbing Photocatalysts to Enhance Solar H₂ Generation Efficiency” for the award of the PhD degree by MIT Manipal, on 30 March 2026. The research work was guided by Dr Murthy Dharmapura, Associate Professor - Research, School of Basic Sciences, Humanities & Management, MIT Manipal.

STUDENTS IN ACTION

Team Manipal Racing Shines at BAJA SAE Event

Team Manipal Racing (TMR), the official off-road racing team of the Manipal Institute of Technology under Manipal Academy of Higher Education (MAHE), recorded a strong performance at the BAJA SAE event, demonstrating technical competence and consistent teamwork across all stages.

The team cleared the Technical Inspection (TI) on its first attempt and was the first team in the event to do so, reflecting careful preparation and compliance with safety and design requirements. It also completed the Manufacturing Excellence and Sales Report presentations on the opening day.

On the second day, TMR became the first team to clear the Brake Test, which required the vehicle to stop within a specified distance. Following this, the team was given the responsibility of flagging off the event in the presence of IPS officials. The Design Presentation was positively evaluated by the judges, who noted the team's engineering decisions. During the dynamic events, including maneuverability, acceleration, and the Validation Event, the team maintained steady performance and secured a high position in validation.

The team also completed the Suspension and Traction event, which tested vehicle durability under challenging conditions and was attempted by only a limited number of teams. In the endurance race, TMR started in fifth position and moved up to second place before a gear failure led to its withdrawal from the race. Despite this, the team achieved All India Rank 1 in the preliminary round, Rank 2 in the Validation Event, Rank 4 in Manufacturing Excellence and Sustainability, Rank 5 in Overall Dynamics, and an Overall Rank of 10. The results indicate a consistent performance across technical and dynamic categories.



Team SolarMobil Secures Multiple Awards

Team SolarMobil delivered a strong performance at the Solar Electric Vehicle Championship (SEVC) 2026, held at Hindusthan College of Engineering and Technology, Coimbatore, from 24 February to 3 March 2026. The team secured awards for Best Design, Optimum Cost, Maneuverability, and Acceleration, reflecting consistent performance across technical and dynamic categories. Their solar-powered vehicle, Heliark, was evaluated positively for its engineering design and efficiency. During the final endurance round, the vehicle was successfully driven on the Kari Motor Speedway track, meeting the requirements of the competition.

In the load test, Heliark demonstrated its capability by pulling a 2-ton tractor, completing the task as per event criteria. The vehicle also operated

entirely on direct solar power during the solar endurance segment; meeting sustainability benchmarks set by the competition. These results indicate the team's technical preparation and focus on sustainable mobility. Team SolarMobil, along with its faculty advisors, acknowledged the support provided by the institution in facilitating their participation in the event.



MIT Manipal Hosts International Rover & Space Drone Challenges 2026

Manipal Institute of Technology (MIT), MAHE, hosted the International Rover Challenge (IRC) 2026 and the International Space Drone Challenge (ISDC) 2026 from 28 January to 02 February 2026 on campus. It brought together student innovators, researchers and robotics enthusiasts from leading institutions across India and abroad.

Organized by the Space Robotics Society (SPROS), the event provided a platform for participants to showcase advanced rover and drone technologies designed for planetary exploration and autonomous operations in a Mars-simulated environment. Teams from IITs, NITs, BITS Pilani, VIT, DTU, IISc and the University of Warsaw were among those that took part in the competitions.



The event was inaugurated on 28 January 2026 in the presence of Lt Gen (Dr) M D Venkatesh, Vice Chancellor, MAHE, as the chief guest along with Cdr (Dr) Anil Rana, Director MIT, Mr Sagar Dhaka, Founder of SPROS and alumnus of MIT, and Dr Ujjwal Verma, Convener of IRC and ISDC 2026. The inauguration marked the formal commencement of six days of competition, technical exchange and innovation in space robotics.

The competitions were conducted on a specially developed Mars-analogue arena known as "Sproscape", designed to replicate challenging planetary terrain. Participants navigated sandy stretches, rocky sections, elevation gradients and obstacle zones while undertaking a series of mission-based tasks. The challenges tested capabilities in autonomous navigation, system design, instrumentation, drone operations and mission planning, providing students with an opportunity to apply engineering concepts in realistic field conditions.

A total of 33 teams competed in the International Rover Challenge and 20 teams participated in the International Space Drone Challenge. The event also featured technical presentations and team

exhibitions, enabling participants to present their designs and interact with judges, industry representatives and fellow competitors. The multidisciplinary nature of the challenges encouraged collaboration across mechanical, electrical, electronics and software engineering domains.



In the rover competition, Team MARS from Thapar Institute of Engineering and Technology secured first place with a score of 871.6, followed by Ad Astra from Sairam Institutions and Team Anveshak from IIT Madras. In the drone challenge, Team Rotor FPV from Vellore Institute of Technology emerged as the winner, with Team MARS, TIET and Team Drishti from SVNIT securing the second and third positions respectively.

The event concluded with a valedictory ceremony held on 02 February 2026. Dr Chandra Prakash Singh, Deputy Director, Technical Directorate, IN-SPACe, attended as the chief guest, while Dr P Giridhar Kini, Registrar, MAHE, was the guest of honour. The ceremony was also attended by Cdr (Dr) Anil Rana, Mr Sagar Dhaka and Dr Ujjwal Verma. Trophies and certificates were presented to the winning teams, bringing to a close a week that celebrated innovation, technical excellence and collaborative learning in the field of space robotics.



Team 4Minaar Secures Third Position at Innov-AI-tion Hackathon

Team 4Minaar secured third position in the Innov-AI-tion Hackathon conducted as part of Elan & nVision 2026 at the Indian Institute of Technology (IIT) Hyderabad. Elan & nVision is the annual techno-cultural festival of IIT Hyderabad, held in January 2026, and brings together participants from institutions across the country. The hackathon focused on developing AI-based solutions to real-world problems and was conducted in multiple stages.

The initial round was held online, after which only 10 teams were shortlisted for the final stage, including two teams from IIT Hyderabad. Team 4Minaar secured third position among the finalists. The final round was conducted offline on 10 January 2026 at the IIT Hyderabad campus, where

teams presented their solutions before a jury. The team comprised Arnav Ranjan (IV Semester, IT-D), Om Raj (IV Semester, IT-D), and Kushal Raj (IV Semester, AIML-C).



MIT Manipal Student Qualifies for Khelo India

Mr Iraiyrasu Sankar, a sixth-semester BTech student in Computer Science & Engineering (Artificial Intelligence and Machine Learning) at MIT Manipal, represented the institution at the All-India Inter-University Boxing Championship held at Kurukshetra University, Haryana, from 3 to 7 March 2026.

The event featured participation from over 250 competitors representing universities across the country. He advanced to the quarterfinal stage of the competition, demonstrating consistent performance in his category. Based on this

performance, he has qualified for the Khelo India platform, marking a progression to a higher level of competition.



MIT Manipal Team Secures Second Place at Honeywell HackSpace Hackathon 2025

Team Errorists from MIT Manipal, secured second place at the Honeywell HackSpace Hackathon 2025, a 48-hour hackathon conducted by Honeywell at MAHE Bengaluru. The team was awarded a cash prize of ₹50,000. The competition required participants to develop practical solutions within a limited time frame, with evaluation based on innovation, applicability, and technical execution.

The team developed ApacheAI, an AI-based aviation weather briefing system designed to assist pilots in decision-making. The system integrates aviation data sources such as METARs, TAFs, PIREPs, and NOTAMs, and processes this information using AI and large language model-based summarisation to

provide clear outputs. The solution was recognised for its relevance to aviation requirements and its structured approach to handling complex meteorological data.



Team Cryptonite Wins ISEA-ISAP 2026 - Capture the Flag Competition

Team Cryptonite secured first place at the ISEA-ISAP 2026 Capture The Flag (CTF) competition held at the Indian Institute of Technology (IIT) Madras as part of the ISEA-ISAP 2026 Conference. The national-level cybersecurity competition brought together student teams from across the country and was conducted in two stages: a technical CTF round followed by a presentation-based evaluation. The team, comprising Anshuman, Noorain, and Lakshit, demonstrated consistent performance across both

stages. The competition focused on areas such as hardware security and binary exploitation, requiring participants to solve complex technical challenges. The event was organized under the Information Security Education and Awareness (ISEA) initiative of the Government of India, aimed at strengthening cybersecurity capabilities. Team Cryptonite was awarded first position along with a cash prize of ₹2,00,000 in recognition of their performance.

ISTE Manipal Wins Top Honour at Pragyan'26 x KANINI AI Hackathon

ISTE Manipal, Manipal Institute of Technology, secured first place at the Pragyan'26 x KANINI AI Hackathon, conducted as part of Pragyan, the techno-managerial festival of the National Institute of Technology, Tiruchirappalli. The competition saw participation from over 120 teams across India, who developed solutions during a 32-hour offline build session at the KANINI office. Based on prototype evaluation, the top 10 teams were shortlisted, with Team Errorists from ISTE Manipal achieving the highest rank. In the final stage, the shortlisted teams presented their solutions in an online technical round before a panel comprising experts from KANINI and NIT Tiruchirappalli, where Team Errorists was declared the winner and awarded a cash prize of ₹50,000.

The winning team, comprising Advait Balachandar, Rohan Mathur, Prayatshu Misra, and Shreshth Kabra, developed PARS (Patient Automated Risk Stratification System), an AI-based triage and decision-support platform for hospital emergency departments. The system is designed to support patient prioritisation through automated risk

assessment, department routing, and real-time data processing. Key features include deep learning-based risk stratification, NLP-enabled routing, voice-based patient input, clinical data integration, multilingual support, and a cloud-based framework. The team plans to further develop the system for clinical validation and deployment. The achievement reflects the focus on applied innovation and technical development at MIT Manipal and highlights the contribution of ISTE Manipal to student-led technological initiatives.



Ms Anjali Wins Second Prize at International Conference

Ms Anjali, Research Scholar at the School of Basic Sciences, Humanities and Management, has secured second prize in the poster presentation category at the 2nd International Conference on Science and Technology for Sustainable Future (ICSTSFS-2026). She is working under the supervision of Dr Fasiulla Khan. The conference was organized by the Departments of Physics, Chemistry, Mathematics, Biotechnology and Civil Engineering at Acharya Institute of Technology, Bengaluru, on 29 and 30 January 2026.



K Vamshi Krishna Goud Secures Best Poster Award at CHEM-TECHNOVA 2026

K Vamshi Krishna Goud, PhD scholar at the School of Civil and Chemical Engineering, MIT Manipal, received the Best Poster Award (Second Position) at the 4th International Conference CHEM-TECHNOVA 2026. He is working under the supervision of Dr Jitendra Carpenter, Dr Anoop Kishore, and Dr

Sriprasad Acharya. The conference was held from 12 to 14 March 2026 at Harcourt Butler Technical University, Kanpur. He presented a poster titled "Synthesis of Stable Curcumin Encapsulated Oil-in-Water Nanoemulsion: A Combined Experimental and Molecular Dynamics Simulation Study."

Cartoon Corner



by:
Dhiran Chilkuri, 1st Year Mech
&
Tanay Podar, 2nd Year ECE



ALUMNI MATTERS

Strengthening Global Engagement at MIT Manipal

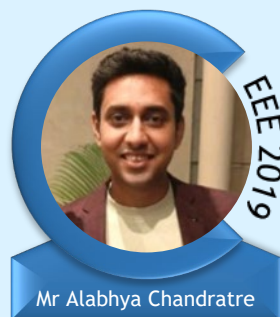
The institute has continued to strengthen its global engagement by actively involving its alumni in prestigious international platforms such as the International Mars Rover Challenge (IRC) and the International Space Drone Challenge (ISDC). Through the alumni participation in mentoring and evaluation activities, they have played a significant role in enhancing the learning experience and competitive preparedness of current student teams. This initiative has witnessed the valuable contribution of several distinguished alumni: **Mr Sagar Dhaka** (EEE, 2019) Founder of SPROS, **Mr Vaibhav Julka** (EEE, 2019) Associate Consultant at Infosys, and **Mr Alabhya Chandratre** (Mechanical, 2019) Associate Consultant at Infosys, and **Mr Kevin Shaji** (EEE, 2019) Lead - Customer Support & Satisfaction CRM Application Developer at Schneider Electric.



Mr Sagar Dhaka



Mr Vaibhav Julka



Mr Alabhya Chandratre



Mr Kevin Shaji

Alumnus Mr Dale Vaz was honored with the 'Alumni Entrepreneur of the Year' award

Alumnus **Mr Dale Vaz** (ECE, 2000), Co-founder & CEO of Sahi, was honored with the prestigious 'Alumni Entrepreneur of the Year' award at Manipal Entrepreneurship Summit (MES) 2026, recognizing his outstanding entrepreneurial achievements, leadership excellence, and significant contributions to innovation and industry. His accomplishment has reflected the institute's strong legacy of nurturing visionary leaders and has further strengthened its reputation for fostering entrepreneurial talent on a global stage.



Mr Dale Vaz

MIT alumnus Mr Prithvi Krishna graces Revels 2026 as Chief Guest

Alumnus **Mr Prithvi Krishna** (Batch of 1995-1999, Industrial & Production Engineering) graced Revels 2026 as the Chief Guest, bringing immense prestige and cultural depth to the inaugural ceremony. A distinguished Carnatic Mridangam artist and an A-Grade performer of All India Radio (AIR), Bengaluru, he has earned wide recognition for his excellence in percussion, with notable honours including the Gaana Kala Padma (2019) and Mridanga Vadhya Ratna (2022). During his address, he reflected on his formative years at MIT Manipal, acknowledging the institute's role in shaping his journey, and inspired students with his message on pursuing passion alongside profession. His presence not only elevated the grandeur of Revels 2026 but also resonated deeply with the student community, reinforcing the institute's vibrant blend of academics and culture.



Mr Prithvi Krishna

Alumni actively contributed to the Manipal Entrepreneurship Summit 2026

Alumni made a significant and active contribution to the Manipal Entrepreneurship Summit (MES) 2026 by serving as panelists, judges, and keynote speakers, thereby enriching the event with their diverse industry expertise and insights.

Notable among them were **Mr Saumya Saxena** (Aero, 2013), EMEA & India Lead at Coinbase; **Mr Shiv Ram Pande** (ECE, 2011) Founding Team member and Chief Business Officer at BitSave; **Ms Kanika Ahuja** (ICT, 2012) President of Plastiskul; and **Ms Smitha Rao** (CSE, 2003) Founder of OjasQuest. They were joined by accomplished leaders such as **Mr Saurav Jha** (EEE, 2004) President & CEO of Simnovus; **Mr Milind R Agarwal** (ECE, 1991) Founder & CEO of Quickwork; and **Mr Nandkumar Shanbhag** (Chemical, 1985), Managing Director of RevOs Aqua Systems Pvt Ltd. Their collective participation fostered meaningful discussions, provided valuable mentorship perspectives, and strengthened the institute's entrepreneurial ecosystem by bridging academic learning with real-world innovation and leadership experience.



Mr Shreyansh Daftry receives NASA Early Career Achievement Medal

Mr Shreyansh Daftry, (Electronics and Communication Engineering, Batch of 2013), has been honored with the prestigious NASA Early Career Achievement Medal for his contributions at the intersection of artificial intelligence, robotics, and space exploration. Mr Daftry is currently working at the NASA Jet Propulsion Laboratory and is actively involved in supporting NASA missions to the Moon and Mars.



ALUMNI TALK SERIES

School of Electrical Engineering conducted an enriching alumni talk series on diverse and contemporary topics during February-March 2026, featuring active participation from distinguished alumni across academia and industry.

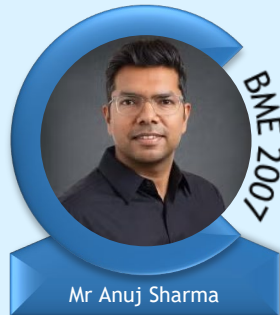
Mr Gaurav Singh (Class of 2012, B.E. Biomedical Engineering), Senior UX Researcher at Arctic Wolf, delivered an insightful session titled "From Engineering to UX Research: A Career Perspectives Session" in February 2026, highlighting interdisciplinary career pathways. This was followed by an

engaging lecture by **Mr Anuj Sharma**, Research Assistant Professor at Case Western Reserve University, USA, and an alumnus of the BME 2003-2007 batch, who presented on “Imaging Methods for MRI-Guided Interventions” on 20 March 2026.

Further enriching the series, **Dr Pakhi Chaturvedi** (BME, 2011-2015), Regulatory Consultant at UnivLabs Technologies Pvt Ltd, delivered a talk on “Biomedical Engineering to Healthcare Innovation” on 26 March 2026, emphasizing the translation of engineering concepts into real-world healthcare solutions. The series also featured **Mr Mayank Mohun** (I&CE, 2001-2005), Vice President - Innovations at Siemens Healthineers, who delivered an engaging session on “Innovation and Business Success,” drawing upon his extensive experience in driving innovation within global healthcare technology ecosystems. Collectively, these sessions provided valuable industry insights, broadened student perspectives, and strengthened academia-alumni engagement.



Mr Gaurav Singh



Mr Anuj Sharma



Dr Pakhi Chaturvedi



Mr Mayank Mohun

The School of Mechanical Engineering organized an Alumni Talk Series session titled “From Code to Creation - How ROS Shaped My Robotics Journey” on 25 February 2026, at the MAHE-Janyu Robotics Laboratory.

The talk was delivered by **Mr Sumukha B**, an alumnus of the MTech Industrial Automation and Robotics program (2022-2024 batch) and currently a Robot Software Developer at Siemens Healthineers. The session provided students with valuable insights into the role of the Robot Operating System (ROS) in industrial robotics, simulation, motion planning, and robotic system development. Drawing from his professional experience, Mr Sumukha explained how ROS is used for rapid prototyping, simulation, collision detection, and validation of robotic systems before deployment in real-world applications. He also discussed industry workflows involving CAD-to-ROS model conversion, motion planning strategies, and software integration for advanced robotic platforms. The session concluded with an interactive discussion on career opportunities in robotics, where students received guidance on building expertise in C++, system integration, robotics software development, and project-based learning.



Mr Sumukha B

Alumni from the batches of 1978-83 and 1986-90 revisited their alma mater with their families, reliving memories and celebrating lifelong bonds.



1978-83



1986-90



SHE INSPIRES

Voices of Strength, Science, and Self-Belief FROM MIT ALUMNAE

Source: Interview Excerpts

Mayuri Kothari

2021-2025, Information Technology
Software Engineer - I (Data & AI), Philips



Who is a woman that has inspired or influenced you, and why?

The woman who has influenced me the most is my mother. She may not hold a corporate title, but she is the strongest leader I know. Her resilience, discipline, and silent sacrifices shaped my mindset more than any classroom ever could. She taught me that strength is not always loud — sometimes it is waking up every day, handling responsibilities without complaint, and still choosing hope. Because of her, I learned that independence is not optional — it is essential.

What achievements are you most proud of in your life or career?

I am proud of building a career in healthcare technology at Philips at an early stage of my journey and contributing to meaningful innovations in MR-guided Radiation Therapy using Deep Learning. Working on real-world AI systems that support cancer treatment workflows made me realize that technology is not just code — it can directly impact lives. As a young woman in a highly technical domain like medical AI, I am proud that I chose depth over doubt. I chose growth over comfort. And I continue to invest in becoming technically stronger every single day. For me, success is not just about position — it's about impact.

Can you share a personal or professional challenge you've faced, and how you overcame it?

One of my biggest challenges has been overcoming self-doubt in highly competitive technical environments. There were moments when I questioned if I was “good enough” to work in deep learning, medical imaging, and complex healthcare systems. Imposter syndrome is real — especially for young women stepping into advanced technical spaces. Instead of letting it stop me, I made a decision: I would let my preparation speak. I focused on mastering fundamentals, asking better questions, and showing up consistently — even on days when I felt uncertain. Over time, competence replaced insecurity. I learned that confidence is not something you wait for. It is something you build.

What advice would you give to young women aspiring to make a difference in the world?

Stop waiting for permission. You don't need to be the most confident person in the room — you just need to be the most consistent. Skill is power. Financial independence is freedom. Technical knowledge is leverage. As women, we are often taught to be perfect before we begin. But real growth starts when you show up before you feel ready. Speak up in rooms that intimidate you. Take ownership of your ideas. Ask questions without apologizing for them. And most importantly — build competence so strong that your presence cannot be ignored. The world doesn't just need more successful women. It needs more women who take space unapologetically.



SHE INSPIRES

Voices of Strength, Science, and Self-Belief
FROM MIT ALUMNAE

Source: Interview Excerpts

Apurva Singh

2013-2017, Electronics & Communication Engineering
Postdoctoral Fellow, Baltimore, Maryland, United States



What achievements are you most proud of in your life or career?

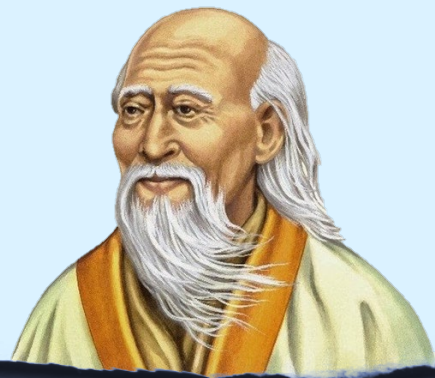
Getting my PhD in Bioengineering from an Ivy league school- University of Pennsylvania and building my research profile in imaging-based prognostic biomarkers for precision medicine in cancer.

Can you share a personal or professional challenge you've faced, and how you overcame it?

Navigating my career path, from Electronics and Communications Engineering to Bioengineering and Medical Physics in a new country. I am proud of my path so far- building a research profile in cancer research and computational biology and I am enroute to pursuing an academic role as a faculty medical physicist.

What advice would you give to young women aspiring to make a difference in the world?

Keep believing in God and your ability- be curious; proactively seek out guidance as you navigate your career path.



To attain knowledge, add things every day.
To attain wisdom, remove things every day.

LAO TZU

ALUMNI VISITS

The institute had the privilege of hosting its distinguished alumni during January-March 2026

Sowmya Prabhu, Principal Product Manager, alumna of the 2007 Computer Science batch, visited the institute on 01 January 2026.

Mithun Bhat, Associate Director, alumnus of the 2002 Electrical & Electronics Engineering batch, visited the institute on 01 January 2026.

Navaneetha Shenoy Bhat, Data Governance Lead, alumna of the 2002 Electrical & Electronics batch, visited the institute on 01 January 2026.

Paavan Harish Gouniyal, Associate Staff Engineer, alumnus of the 2021 Biomedical Engineering batch, visited the institute on 02 January 2026.

Priyodip Paul, Postdoctoral Researcher, alumnus of the 2019 Biotechnology batch, visited the institute on 06 January 2026.

Mukesh Kumar, Senior Engineer, alumnus of the 2009 Computer Science & Engineering batch, visited the institute on 06 January 2026.

Ashish Kumar, Sub Divisional Engineer, alumnus of the 2009 Electronics & Communication Engineering batch, visited the institute on 06 January 2026.

Vivekanand Bharti, Sub Divisional Engineer, alumnus of the 2009 Electronics & Communication Engineering batch, visited the institute on 06 January 2026.

Manish Kumar, Manager, alumnus of the 2009 Mechanical Engineering batch, visited the institute on 06 January 2026.

Remus Antonio Sylvester Saldanha, Design Engineer, alumnus of the 2022 Mechanical Engineering batch, visited the institute on 06 January 2026.

Anushka Sinha Capoor, Senior Associate Consultant, alumna of the 2017 batch, visited the institute on 08 January 2026.

Shiv Capoor, Technical Lead - Embedded Systems, alumnus of the 2017 Electronics & Communication Engineering batch, visited the institute on 08 January 2026.

Somya Vatsa, Application Engineer, alumna of the 2015 Electrical & Electronics Engineering batch, visited the institute on 08 January 2026.

Sushrut Devasthali, AI Program Manager, alumnus of the 2019 Mechanical Engineering batch, visited the institute on 12 January 2026.

Archit Agrawal, Founder, alumnus of the 2020 Mechanical Engineering batch, visited the institute on 12 January 2026.

Sneheil Bharadwaj, Senior Consultant, alumnus of the 2019 Electronics & Communication Engineering batch, visited the institute on 12 January 2026.

Pramod Kumar K, Chartered Engineer & Registered Valuer; International Certified Life Skill Coach, alumnus of the 1989 Civil Engineering batch, visited the institute on 12 January 2026.

Punjit Sharma, Software Architect, alumnus of the 2015 Electronics & Communication Engineering batch, visited the institute on 15 January 2026.

Arun Kumar, Proprietor/Owner, alumnus of the 1984 Civil Engineering batch, visited the institute on 23 January 2026.

V V S A Trideep, Director, alumnus of the 2007 Biomedical Engineering batch, visited the institute on 27 January 2026.

Vikas Reddy Andru, Managing Partner, alumnus of the 2007 Biomedical Engineering batch, visited the institute on 27 January 2026.

Mohammed Baseeruddin Ahmed, Vice President, alumnus of the 2007 Biomedical Engineering batch, visited the institute on 27 January 2026.

Prabhav Tripurananda Varambally, Head - Integrated Capabilities, alumnus of the 2021 Computer & Communication Engineering batch, visited the institute on 27 January 2026.

Kevin Shaji, Lead Application Developer, alumnus of the 2019 Electrical & Electronics Engineering batch, visited the institute on 02 February 2026.

Saqib Irfan Bisati, Network Administrator, alumnus of the 1998 Electrical/Electronics batch, visited the institute on 02 February 2026.

Gaurav Ananda, Director - Global Ads, alumnus of the 2001 Mechanical Engineering batch, visited the institute on 06 February 2026.

Vedavyas S Pai, alumnus of the 2001 Mechanical Engineering batch, visited the institute on 06 February 2026.

Ashish Kumar Gudibande, Director, alumnus of the 2001 Mechanical Engineering batch, visited the institute on 06 February 2026.

Milind Agarwal, Founder & CEO, alumnus of the 1991 Electronics & Communication batch, visited the institute on 07 February 2026.

Vatsayan Vijay, Subject Matter Expert, alumnus of the 2011 Chemical Engineering batch, visited the institute on 12 February 2026.

Santhosh Paul Fernandes, Senior Technical Support Engineer, alumnus of the 2009 Electronics & Communication batch, visited the institute on 17 February 2026.

Gopalkrishna Nayak Gujjadi, Investor, alumnus of the 1989 Electronics & Communication batch, visited the institute on 20 February 2026.

Sarthak Jain, Lead Analyst, alumnus of the 2017 Industrial Production batch, visited the institute on 20 February 2026.

Bandi Kalyan, Regional Manager, alumnus of the 2009 Instrumentation & Control Engineering batch, visited the institute on 20 February 2026.

Raghav Daruka, Manager, alumnus of the 2020 Computer Science Engineering batch, visited the institute on 20 February 2026.

Kunwar Jeswani, Architect & Designer, alumnus of the 2020 Civil Engineering batch, visited the institute on 20 February 2026.

Koustav Pramanick, Cybersecurity Engineer, alumnus of the 2020 Electronics & Communication Engineering batch, visited the institute on 20 February 2026.

Krishna Prajeeth Damera, Entrepreneur, alumnus of the 2020 Electronics & Communication Engineering batch, visited the institute on 20 February 2026.

Apoorv Kumar Sharma, Software Engineer, alumnus of the 2021 Electrical & Electronics Engineering batch, visited the institute on 20 February 2026.

Aadith Kumar, Senior Roboticist, alumnus of the 2020 Mechatronics batch, visited the institute on 20 February 2026.

Sanidhya Saumay Anil Kumar, Consultant, alumnus of the 2020 Electrical & Electronics Engineering batch, visited the institute on 20 February 2026.

Manan Tewari, VLSI Design Engineer, alumnus of the 2023 Biomedical Engineering batch, visited the institute on 24 February 2026.

Shreyas Padmanabha, Senior Engineer, alumnus of the 2023 Biomedical Engineering batch, visited the institute on 26 February 2026.

Abraham George, Global Quality Manager (Retd.), alumnus of the 1985 Mechanical Engineering batch, visited the institute on 28 February 2026.

Rebecca Mathews, Manufacturing Engineer, alumna of the 2020 Biomedical Engineering batch, visited the institute on 28 February 2026.

Amith Anand Talikoti, Director, alumnus of the 2012 Electrical Engineering batch, visited the institute on 02 March 2026.

Rakesh Mishra, Firmware Engineer, alumnus of the 2012 Electrical & Electronics Engineering batch, visited the institute on 02 March 2026.

Lohit Chintamaneni, Self-Employed (Formerly in Product Management & Consulting), alumnus of the 2012 Electrical & Electronics batch, visited the institute on 02 March 2026.

Lokesh Mehra, Senior Manager - Business Development, alumnus of the 1990 Electronics & Communication batch, visited the institute on 07 March 2026.

Neville Patrick D'Souza, Owner/Director, alumnus of the 1992 Mechanical Engineering batch, visited the institute on 07 March 2026.

Ashwin Inamdar, Director - India Sales, alumnus of the 1990 Electrical & Electronics Engineering batch, visited the institute on 07 March 2026.

Ankit Agrawal, Structures Engineer, alumnus of the 2022 Automobile Engineering batch, visited the institute on 13 March 2026.

Girish Sarwate, Associate, SWAMIH (Special Window for Affordable & Mid-Income Housing) Investment Fund SBI Ventures Limited, alumnus of the 2013 Civil Engineering batch, visited the institute on 23 March 2026.

Batch of 1983 Alumni Visit

Following distinguished group of alumni from the 1983 batch across multiple disciplines visited the institute on 24 January 2026:

Harikumar P C, Mechanical Engineering.

T R Ramaswamy, Electronics & Communication.

Samson Varughese, Electrical Power.

Paulus Eapen, Civil Engineering.

Vinod V Thomas, Electrical Power.

APPRECIATION OF SERVICE

MIT Manipal acknowledges the immense contribution of the following personalities who recently superannuated from service.



Dr C Gurudas Nayak
Professor
School of Electrical Engineering

Date of Joining: 09 August 2002
Date of Superannuation: 31 January 2026



Dr Veena Maben
Professor
School of Basic Sciences, Humanities & Management

Date of Joining: 05 April 1991
Date of Superannuation: 31 January 2026



Mr Ashok Shetty
Senior General Duty Worker
School of Civil & Chemical Engineering

Date of Joining: 07 March 1990
Date of Superannuation: 31 January 2026



Mr Govinda Naik A
Senior General Duty Worker
School of Electrical Engineering

Date of Joining: 18 April 1991
Date of Superannuation: 31 January 2026



Mr Ashok Rao K
Deputy Chief Security Officer
Security

Date of Joining: 31 May 1999
Date of Superannuation: 10 February 2026



Mr Dinesh Shetty
Senior Clerk
School of Electrical Engineering

Date of Joining: 07 March 1988
Date of Superannuation: 28 February 2026



Ms Sumathi

Senior House Keeping Staff
School of Basic Sciences, Humanities & Management

Date of Joining: 01 November 1992
Date of Superannuation: 28 February 2026



Mr Nagesha Prabhu

Librarian - Selection Grade
Library

Date of Joining: 18 March 1993
Date of Superannuation: 28 February 2026



Mr Umesh Prabhu

Senior General Duty Worker
School of Computer Engineering

Date of Joining: 01 October 1991
Date of Superannuation: 31 March 2026

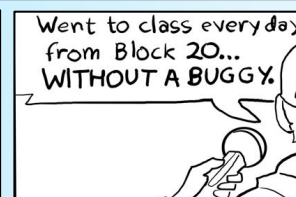


Mr Madhava Achary

Senior Technician (Carpentry)
School of Mechanical Engineering

Date of Joining: 07 March 1988
Date of Superannuation: 31 March 2026

**Cartoon
Corner**



by:
Dhiran Chilkuri, 1st Year Mech
&
Tanay Podar, 2nd Year ECE



VISION

Excellence in Technical Education through Research, Innovation and Teamwork.

MISSION

Educate students professionally to face societal challenges by providing a healthy learning environment grounded well in the principles of Engineering, Research, and Teamwork.

VALUES

*Discipline
Integrity and Trust
Holistic Learning
Ethics and Professionalism
Concern for Society and Environment*

GOAL

To be a world class technical institution fostering innovation, leadership and entrepreneurial spirit.



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