



FOCUS

MIT Newsletter | Issue : September 2022 | Volume: 3

MIT WELCOMES NEW BATCH 2022

With a population of more than 10000 students from different states and nationalities, MIT is a vibrant cultural hub and an axis of opportunities in waiting. The newly joined students at the institute are initiated to this world of learning in a formal orientation event every year. This year, the formal Orientation Program for the engineering students was held from 29 August to 02 September 2022 at the Library auditorium. The formal orientation program was followed by a comprehensive Student Induction Program to familiarize the students to the culture of MIT, Manipal.

The formal Orientation Program provided the students an entry point to their life at MIT by outlining the academic as well as co-curricular activities of the institute. Around 2000 new students were inducted into the engineering program for the year at MIT, Manipal in the four-day long series of events.



Dr Narayana Sabhahit, Registrar, MAHE, inaugurated the Orientation on 29 August 2022. He highlighted the advantages of learning at Manipal and how an MIT student would have an edge over others in his profession. On 30 August 2022, Lt Gen (Dr) M D Venkatesh, Vice Chancellor, MAHE, Manipal addressed the students.

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ACADEMIA - INDUSTRY CONCLAVE 1.0

In association with the CII Mangalore chapter, Manipal Institute of Technology organised the Academia and Industry Conclave 1.0 at Manipal on 10 September 2022. The conclave was designed to host experts from industry and academia to deliberate on possible innovative projects through mutual support. The event facilitated Institute collaborations with industries for academic and research projects, start-ups, and related activities.



The following key events were organised as part of the conclave.

- **Hackathon with smart roads, transports, and logistics as theme:** About 90 students in 23 teams from various Engineering Colleges from Udupi and DK district took part in this event. The prize for the winners was jointly sponsored by Novigo Solutions Private Limited and Arkieva Supply Chain Technologies Private Limited, Mangalore
- **Interaction with start-ups:** The conclave saw fruitful interactions between the innovators and industries to take their innovation to possible commercialisation.
- **Showcasing the facilities:** The conclave helped showcasing of state-of-the-art facilities of regional engineering colleges and explored Internship & placement opportunities.

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“ What is seemingly impossible can be made possible.
Recognition will come sooner or later. ”

Dr. T. M. A. Pai

MANNUPALLA TO MANIPAL - AN EPIC SAGA

MANIPAL HEALTHCARE INITIATIVES THAT TOUCHED LIVES

‘India has three basic ills. They are poverty, disease, and ignorance. If we address these ills with sincerity and vision, we will have addressed the fundamental challenges faced by the nation’. This is a collective idea that emerged from several speeches of Dr TMA Pai at various forums. Dr TMA Pai was aware of the above fact and devoted his entire life exploring solutions to the challenges that led to his remarkable achievements. He showed the world that the word ‘impossibility’ is just a fiction. While his banking initiatives with incredible idea of ‘pigmy banking’ countered the ills of poverty in an ingenious way, his farsighted efforts in education made access to knowledge a reality to countless people. At the same time, the story of ‘the doctor’ addressing the question of eradication of the third ill- disease is intensely fascinating.

For Dr TMA Pai combating disease was not a matter of just building hospitals. It was about creating an environment of public health. Soon after setting up Kasturba Hospital at Manipal, Dr Pai established Medical Relief Society of South Canara that started a unique healthcare insurance plan called Medicare for local families in 1972. The annual premium for families ranged from ₹27 to ₹90 based on their family income. For those, who could not afford the premium, a special scheme was launched- donate blood once in six months and the family consents to the use of contraception, the entire family is eligible for free Medicare. The medical coverage included diagnosis, surgery, maternity care and other facilities. The scheme allowed even the poorest to afford medical care with dignity and provided a sense of well-being. In addition, Dr TMA Pai set up eight maternal community welfare centres in the rural areas that are known as Rural Maternity and Child Welfare (RMCW) Homes today. These centres aimed at providing quality maternity service to the rural people who often lacked the access to proper medical amenities.

The healthcare insurance scheme conceived by Dr TMA Pai has grown as a mass healthcare initiative and become a source of support to families across the state. A new form of the scheme - Manipal Arogya Suraksha (MAS) launched by Dr Ramdas M Pai in 2005, aimed at providing quality health care at affordable cost. A family membership fee of ₹375 provides varied medical coverage to the members of the family at any of the group hospitals in the region. This scheme has enrolment of about 3,60,000 individuals and is reaching out to more than 90000 families in the region besides compensating for loss of life and disablement due to accident. The objective of making quality health care affordable and accessible to the target audience seems to have met with Manipal Arogya Suraksha (MAS), as seen by the overwhelming enrolment, benefiting especially economically backward sections of the society.

While the healthcare insurance is reaching out to the truly deserving community, the other initiative set up by Dr TMA Pai in connection with rural maternity services is making a mark in its own way. A network of seven Rural Maternity and Child Welfare Homes (RMCW homes) spread across the region, provide maternal and child health services. The centres established by Dr TMA Pai, approximately 50 years ago, at a time when the transport and communication network in the district was rudimentary, play a substantial role in providing quality MCH services to the local population today, in changed scenario with a new model. Each centre is staffed by two Auxiliary Nurse Midwives (ANM), one ayah and a sanitary worker. All these centres are connected to Kasturba Hospital by all-weather roads and telephone. The centres are equipped with a labour room, a ten bedded postnatal ward, a small laboratory and a minor OT. Round the clock maternity services are available at the centres. As many as 1200 deliveries are conducted in these centres every year. While most of the normal deliveries are conducted by the ANM, difficult cases are shifted to the Kasturba Hospital by a flying squad service.

Further, the centres engage with the communities in diverse ways. Weekly specialist clinics are conducted by a team of healthcare professionals from the departments of OBG, paediatrics and community medicine. The clinics provide antenatal, postnatal services and care of under-fives inclusive of growth monitoring, immunization, treatment of illness etc. Besides these, the family planning services are also carried out routinely at these centres. Community based growth monitoring and immunization programmes are organised at least twice a week. School health programmes such as health appraisal of school children, health education and training of school teachers are conducted twice a week by a team of healthcare professionals from the department of community medicine.

Interestingly, this model of delivery of healthcare services has been a mutually beneficial engagement to both the community and the hospitals in a significant way and certainly a testimony to the far-sighted views of a medical doctor who had the ability to transcend the ‘impossibilities’.

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Editor's Musings

Dear Reader,

Greetings...!

This edition of Focus - MIT Newsletter encapsulates the major events and noteworthy achievements of our faculty, students, and staff during the calendar quarter ending September 2022. With the Campus now being populated to its full capacity, students can be found to be busying themselves with curricular and extra-curricular activities with renewed zeal and enthusiasm, a sight that had gone missing during the lull enforced by the pandemic.

Beginning of every academic year is when we welcome a fresh batch of newbies to our Campus, and during this quarter, we have admitted over 2500 freshers, including the UG, PG, and research scholars to the ever growing MIT family. We are certain that these starry-eyed youngsters would soon blend with the ethos of Manipal and carry forward the good work of their senior batches.

On the academic front, we are glad that beginning this year, the Institute has launched a new B. Tech. program in Cyber Physical Systems, and seven M. Tech. programs, namely, Electric Vehicle Technology, Wireless & Mobile Communications, Machine Intelligence & Decision Science, Internet of Things, Medical Informatics, Applied Computational Fluid Dynamics, and Data Sciences. The revised curriculum (2022 Scheme) will be implemented starting this academic year, 2022-23. Further, while we continue the course on Creativity, Problem Solving and Innovation in the first year of B. Tech., two more courses of one credit each are added to comply with the AICTE recommendations, namely, Universal Human Values & Professional Ethics and Human Rights and Constitution.

NBA expert team visited MIT during 16 to 18 September, for the accreditation of five programs namely Computer Science and Engineering, Information Communication and Technology, Electrical and Electronics, Electronics and Communication and Civil Engineering. We are happy to convey that all the five programs received accreditation for three years

Also, in this edition, the regular feature Mannupalla to Manipal - An Epic Saga, carries a brief account of the far-sighted schemes introduced by our revered Founder Dr TMA Pai, to address the health care needs of the people in this region, under the title, "Manipal healthcare initiatives that touched lives."

Happy Reading...!

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MIT WELCOMES NEW BATCH 2022

Lt Gen (Dr) M D Venkatesh, the Vice Chancellor urged the students to make use of the opportunities available at MIT such as the strong research-oriented programmes, diverse extracurricular and community-oriented activities.



Dr H S Ballal, Pro-Chancellor, MAHE, Manipal was the chief guest of the program on 01 September 2022. He highlighted the significance of education and the special role played by MAHE in the field of education. Mr Abinav Raja, Co-Founder of LYNK and Director in Ramco Group Companies was the chief guest on 02 September 2022. He shared details about his start-up journey of LYNK, and his success story with newly joined students.

The Director of Student Affairs, MAHE, Dr Geetha Maiya briefed the students about the code of conduct and student support system at MAHE. Cdr (Dr) Anil Rana, Director, MIT outlined his enthusiastic vision for the institute and assured the parents of providing the best possible holistic education to their wards. D Somashekara Bhat, Joint Director, welcomed the gathering and invoked the legacy of Dr TMA Pai, and urged the students to follow his ideals of hard work, sacrifice, and commitment to reach one's goal.



Dr Raviraja Adhikari, Associate Director, Academics provided the details on academic structure and process. Lt Col B Suresh Kumar, the Chief Warden outlined the hostel facilities and guidelines. The Associate Directors, Heads of the Departments and faculty members of the institute, and other distinguished guests were present at the program.

The Orientation Program provided a first-level entry point to all the newly joined students and their parents to the world of MIT, Manipal.

STUDENT INDUCTION PROGRAM 2022

After a gap of two years, MIT resumed the elaborate Student Induction Program (SIP) for the benefit of the freshers in physical mode. Immediately after the formal orientation program, the students were given an overview of the B.Tech program to which they were admitted in the respective departments. Each department engaged the students of their program with varieties of modules including invited talks by guest speakers, alumni, and faculty on various topics of relevance.

A week-long meticulously planned Student Induction Program (SIP), common to all the students was conducted from 05 to 10 September at the institute level, following the department familiarization program. The SIP comprised of general familiarization of various functional units, facilities, and regulations, Universal Human Values (UHV) based Programs, and modules on Creativity, Problem Solving & Innovation. Invited talks were also conducted by external resource persons.



Through the general familiarization program, the students were given exposure to the various student welfare activities, major student projects and various student clubs. The program also involved detailed presentations on academic policies and the use of E-pad for their examinations. Moreover, the activities and policies related to the offices of Placement, International Relations, Research and Innovation were also introduced to the newcomers.

The students were given opportunity to interact with their teacher guardians and feel at home with the new learning environment. Students were also taken in groups to various facilities at MIT Manipal to make them aware of the location and people, through a guided facility tour. The offices of Associate Director (Academics), Associate Director (SW), Associate Director (International Relations), Associate Director (R&C), Associate Director (Placement), Associate Director (Development), Innovation Center in addition to a team of enthusiastic faculty members delivered the program.

In line with the AICTE initiative to instill Universal Human Values among the youth, UHV based modules

were presented to the students as part of the SIP. The key objectives were to help them to develop a holistic perspective of life, strengthen self-reflection, build confidence, improve commitment to learn & act, and sensitize them to develop a wider outlook towards life, relationships, society, and nature. Five modules namely, Self-Exploration, Self-Organization, Collaboration, Harmony and Emotional Intelligence were emphasized in the UHV based sessions.



The Deputy Directors and team of counsellors from Student Affairs, MAHE, coordinated by the Director, Student Affairs, provided curated module on Emotional Intelligence in UHV based sessions. The other four UHV based modules were delivered by a team of faculty members drawn from various departments of MIT. Further, modules on Creativity, Problem solving and Innovation (CPI), such as various types of thinking to develop creativity and different ways of asking questions leading to innovative solutions were delivered to the students to help them to grow into creative problem solvers. The overall planning and coordination of the UHV based sessions and modules on CPI were conceived and executed by Dr Shankaranarayana Bhat, Associate Director (FD&W).



The Office of the Student Welfare coordinated the overall orientation program including the familiarization programs.

GUEST TALKS DURING SIP

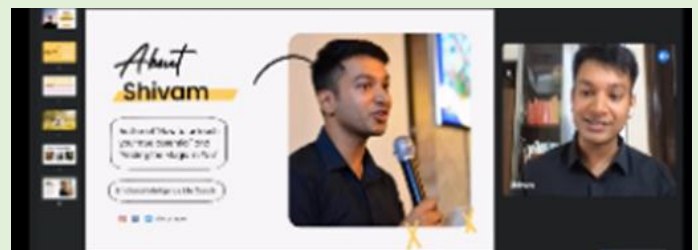
As a part of the student induction program for the first year B.Tech students of MIT Manipal, two invited talks were organized on 10 September 2022 by the office of the Associate Director (FD&W) on topics of relevance to the newly joined students. The talks were delivered online using event mode of MS Teams for reaching all the students at a time. The first talk was

delivered by Group Captain P Anand Naidu (Retired Indian Air Force Officer) on ‘Cyber Crime Awareness and Opportunities in Cybersecurity’, and the second was delivered by Mr Shivam, alumnus of MIT, 2014 batch of Aeronautical Engineering on ‘Building Inner Confidence’.

Group Captain P Anand Naidu (Retired Indian Air Force Officer) has been associated with Information Sharing and Analysis Centre and Cyberange as Senior Advisor on policy and governance matters and with Cyber Security awareness programs, ISAC. Besides drawing the attention of the fresh students on the actions (intentional or unintentional), that would come under the cybercrime, he also elucidated that Cyber security is a field with many opportunities for youngsters, irrespective of the domain of study. He opined that as budding engineers, students of MIT can equip themselves with the right cyber security skills, which will eventually help them build exciting careers. The talk ended with a question and answer session.



The second talk by Mr Shivam was on ‘Building Inner Confidence.’ He is a certified Life Coach and has authored two books. Mr Shivam touched upon key areas of how building confidence can improve one’s way of dealing with the world. Believing in one’s ability and working on the essence of self could lead to steady growth of the personality. He emphasized the need to develop qualities of examining the actions of the self. The talk ended with questions from the students, to which Mr Shivam graciously answered.



Dr Balachandra, Professor, Department of Information and Communication Technology introduced Group Captain Ananda Naidu to the audience. Dr Praveen Shetty, Assistant Professor - Selection Grade from the Department of Humanities and Management, introduced Mr Shivam and moderated both the sessions, along with technical support by Mr Suhas M V, Assistant Professor - Senior Scale, Department of Electronics and Communication Engineering.

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ACADEMIA - INDUSTRY CONCLAVE 1.0

Panel discussion on the Academia and Industry relationship highlighted that the biggest gap between the Academia and Industry is the communication gap. It also emphasized on initiations from Industries and sharing of technical and business-related challenges with academia to develop viable solutions.

The event was attended by leaders from Industries and senior faculty members of engineering colleges in and around Udupi and Mangalore districts. The conclave was inaugurated by Shri Kurma Rao M, IAS, Deputy Commissioner, Udupi District. Shri M Venkatesh, Managing Director, MRPL, a distinguished alumnus of MIT Manipal, and Lt General (Dr) M D Venkatesh, Vice Chancellor, MAHE were the guests of honour. Dr Somashekara Bhat, Joint Director, MIT welcomed the gathering.



Shri Gaurav Hegde, Chairman, CII Mangalore, presented an overview of CII activities by the Mangalore chapter and activities of CII throughout the nation. In his talk, he mentioned the business challenges like goods transports system, employee skill upgradation, etc., and potential business opportunities such as food and fish processing and eco-friendly plastics, which are suitable for coastal regions of Karnataka. He consented to establish fruitful interactions between industries and academic institutes through CII, to create a win-win situation at both ends.

Lt General (Dr) M D Venkatesh, Vice Chancellor, MAHE, appreciated the academia and industries for hosting an important event like the conclave. He also urged the participants to actively engage in exploring the problems of the industries and find feasible solutions. In his speech, he stressed the collaboration activities of the institute with many public and private sector organizations for better experiential learning, thereby enhancing placement opportunities.

Shri Nagaraj V Nayak, Joint Director - DIC, Shri Andaru Deviprasad Shetty, President - UCCI, Shri K Prashanth Baliga, President - DSIA, Udupi, and Shri Shashidhar Pai Maroor, President - KCCI, presented the details of regional industrial activities, clusters, potential challenges, and opportunities to the audience.



Overview of the conclave was given by Cdr (Dr) Anil Rana, Director, MIT. He said the Academia-Institute conclave was conducted to bring all the industries, heads of industry associations, and regional technical institutes together so that one could understand the other's expectations and work to reduce the gaps in knowledge, skill and communication. He informed that around 26 industry representatives and heads of CII-Mangalore, KCCI, UCCI, and DSIA, along with regional institutes, participated in the event. He also urged the local industries to connect with the Institute and share their challenges to find feasible solutions through mutual engagement.

Deputy Commissioner, Shri Kurma Rao M elaborated on the interactions between the District administration with Manipal Academy of Higher Education and Manipal Institute of Technology. He appreciated the efforts of MIT students in developing the website for its implementation at the DC office, Udupi. He encouraged different heads of industries to interact with academic institutions to develop innovative solutions for administration-related problems.

Shri M Venkatesh, Managing Director, MRPL, recollected the memories of his college days at Manipal Institute of Technology. He pointed out a few ongoing projects at MRPL in collaboration with regional academic institutions. He also invited the students to carry out industrial training at MRPL and highlighted the importance of industry-academia interactions in the present scenario.



Dr Deepak D, Professor, Department of Mechatronics, Dr Meenachi Sundaram, Associate Professor - Senior Scale, Department of Instrumentation & Control Engineering, and Dr Madhwesh N, Associate Professor, Department of Mechanical and Industrial Engineering, coordinated the Academia - Industry Conclave 1.0.

EVENTS AT MIT

CELEBRATION OF ENGINEER'S DAY & PROFESSOR P V BHANDARY MEMORIAL ORATION

Manipal Institute of Technology, Manipal celebrated Engineer's Day and Professor P V Bhandary Memorial Oration, on 15 September, 2022, at 10.30 am in Sir M V Seminar Hall, MIT Manipal. The program was organized by the office of Associate Director Faculty Development and Welfare.

Dr Girish Bharadwaj, through his Engineer's Day Special talk, narrated his experiences as a professional engineer. He also highlighted the challenges that he and his team faced at the sites and the constraints with which the bridges were built for the convenience of the people in the rural areas.



The Chief Guest of the event was Dr Ramnarayan, Pro-Chancellor, Sikkim Manipal University Sikkim and Former Vice Chancellor, MAHE, Manipal. Dr Girish Bharadwaj, Padma Shri awardee, Engineer and Social worker, popularly known as Bridgeman of India was the Guest of Honour. Cdr (Dr) Anil Rana, Director, presided over the function. The dignitaries paid floral tribute to Sir M Vishveshwaraya and Late Prof P V Bhandary and lit the lamp as a mark of the beginning of the program.

Cdr (Dr) Anil Rana, elaborated on the relevance of engineers and the greater roles they will have to play in building the nation at large. He also appreciated the efforts and contributions of Dr Girish Bharadwaj, who despite faced with extreme challenges, delivered the results for providing the convenience for the society. Prof K J Kamath presented a brief introductory note on Prof P V Bhandary and brought back memories of his association with Professor P V Bhandary.



Dr Ramnarayan, delivered the fifth lecture in the series of Prof P V Bhandary Memorial Oration. He recalled his association with Prof P V Bhandary during his tenure as the Vice-Chancellor of MAHE, Manipal. Dr Ramnarayan emphasized on the need for creating safe learning environment by the teachers to facilitate effective learning. He spoke on ten maxims for teachers in order to create such a safe learning environment for students for facilitation of learning with joy.

The welcome address was delivered by Dr Somashekara Bhat, Joint Director. Dr B H V Pai, Professor, Department of Civil Engineering and Dr Srikanth Prabhu, Associate Professor - Senior Scale, Department of Computer Science and Engineering introduced the guests. Dr Shankaranarayana Bhat, Associate Director (FD&W), proposed the vote of thanks.



MIT OPEN HOUSE WELCOMES PARENTS

An initiative named MIT Open House welcomed the parents of prospective students to MIT Manipal in the month of June 2022. The idea was to showcase the learning environment to the students desirous of choosing MIT Manipal as their academic destination. The curated programme involved familiarization sessions through presentations, guided campus tour to the facilities, and personal interaction with the authorities.

Many parents and students participated in the initiative held from 20 to 30 June 2022 on campus. The programme was coordinated by Dr V Ramachandra Murty, Associate Director (Development). Cdr (Dr) Anil Rana, Director and Dr Somashekhar Bhat, Joint Director actively engaged with the participants during the interactive sessions.

The entire initiative with an opportunity for students to have significant insights into the idea of learning at the institute and exposure to the wonderful laboratory, hostels, food court facilities made a deep impact on the participants.



GUEST TALK ON 'CONSTITUTION OF INDIA'

In an era where human rights and constitutional morality is being discussed and emphasized more than ever, AICTE - All India Council of Technical Education has introduced topics such as Constitution of India, and Universal Human Values in the academic curriculum of engineering. In view of this, the office of Associate Director, Faculty Development and Welfare, MIT, Manipal had organized a special talk by Dr P Anantha Krishna Bhat, retired Professor from Canara College Mangalore, an experienced teacher and an erudite scholar on the Indian Constitution. Dr Bhat provided insightful pointers on the topic 'Constitution of India' to the faculty members of the institute on 27 August 2022.

The speaker emphasized the relevance of understanding one's own Constitution for growth and development. Perspectives towards the values held by the erstwhile scholars who once constituted the Preamble and the document under the Constitution were highlighted by the speaker. Using various anecdotes and examples, Dr P Anantha Krishna Bhat highlighted the significance of our duties and rights.

Participants were engaged in the ideas put forth by Dr Anantha Krishna Bhat, for he made it evident through his speech that delving into the essence of the Constitution and understanding the purpose of the rights and duties would add meaning to our positions as citizens of the country. The talk was followed by a focused group discussion involving the members drawn from the Department of Humanities and Management.



WORKSHOP ON GROUP DISCUSSION

As the final year students are getting ready to be placed in different sectors, equipping them with the requisite skill set is gaining importance at the institute. Department of Biomedical Engineering arranged a workshop on Group Discussion on 08 August 2022 to enhance the communication skills of the students.

Lt Cdr Geethalakshmi PM, Assistant Professor - Senior Scale of Department of Humanities and Management, MIT Manipal guided the Group Discussion Session as the resource person. The workshop included readiness and effective preparation for placements, mock discussions, and reflection followed by discussions on the dynamics of the group.



About 35 students attended the workshop and actively participated in the group discussion. The workshop concluded with Action Plan, based on SMART principles for the students to carry forward.



The ones who are crazy enough to think that they can change the world,
are the ones who do.



TWO DAY WORKSHOP ON BIOLOGICS AND VACCINE DESIGN

Department of Biotechnology, Institute of Engineers-Biotechnology in association with Schrodinger LLC organised a Two-Day Hands-on workshop on Biologics and Vaccine Design on 27 and 28 July 2022.

The programme was flagged off with an introductory presentation to Biologics Design by Dr Prithesh. Concepts related to Antibody modelling workflow, AutoQSAR, BioQSAR, Protein liability issues, Homology Modeling workflow, Affinity maturation, optimisation, predicting free energy changes, Protein Aggregation Prediction, Protein-protein docking with PIPER, Bioluminate Antibody Modelling Protocol, High Value theoretical workflows, various Functionality Groups in Bioluminate and Structure based Protein Biologics Modeling were examined in the session.

This was followed by hands on session on applications as Dr Prajwal gave an in-depth exposure to Maestro and Bioluminate, a Biologics Design Tool. The second day of the workshop, guided by Dr Prithesh, engaged the participants on issues related to the root causes of a disease, active and inactive forms of protein, driving forces for ligand binding, inhibition of protein activity, molecular modelling in drug discovery,

structure-based drug design, molecular docking, its components and application of Glide for Grid generation. Dr Prithish explained about drug discovery phases, the difficulty of attaining the desired drug in reality and showcased the power of software tools in screening the lead molecules before actual wet lab research. Dr Prajwal took the participants through the workflow of small molecular drug discovery and 3D molecular Docking Analysis. Participants learned to prepare the protein, prepare the ligand, dock the ligand, prepare the positive control, check the docking score and so on. A total of seventy-two participants registered for the workshop.



TWO DAY SKILL DEVELOPMENT WORKSHOP

Non-teaching staff of the institute participated in skill development initiative organized by the Office of Faculty Development and Welfare in the month of July. Two-day Skill Development Workshop held at the institute on 05 and 06 July focused on enhancing the skills in MS Excel and fine tuning the communication competence of the participants.

The first three sessions engaged the participants with intense hands-on training in MS Office and the final session highlighted the need for basic communication skills. The junior and senior caretakers working in MIT hostels including the Hostel office staff were the participants. Faculty members of the Department of Humanities & Management of MIT Manipal handled

sessions on basic communication skills and Email etiquette. The non-teaching staff from various units of MIT handled the sessions on MS Office.

Cdr (Dr) Anil Rana, Director, Lt Col B Suresh Kumar, Chief Warden - MIT Campus, Dr S N Bhat, Associate Director, Faculty Development & Welfare (FD&W) addressed the participants during the valedictory session and appreciated the spirit of participation. Dr Siddalingaswamy P C, Assistant Director (FD&W), and Dr Siddappa I Bekinal, Assistant Director (FD&W) coordinated the event. A total of 38 non-teaching staff members of MIT Hostels participated in the workshop.



TWO DAY WORKSHOP ON SOUND ENGINEERING

Department of Media Technology organized a two-day workshop on Sound Engineering, from 21 to 22 September 2022, in the department studio. Mr Mahesh Amberkar, Sound Engineer for the reality show of Sa Re Ga Ma Pa and Indian Idol (Zee and Sony TV) was the resource person. On the first day, required insight was given on the compressor, microphone, mixer and Musical Instrumental Digital Interface (MIDI). Students also had a discussion on developing a career in sound engineering.

On the second day, demonstration was shown on working with compressors. A few students sang the song and worked on compressing it. Followed by this the working of MIDI was demonstrated, and its application in Sound Engineering was discussed. Mixing of Vocal and Instruments, using Pro Tool was demonstrated. Why digital sound recording is having advantages and what are the unique features with analog sound recording was discussed. Do's and Don'ts in live recording was discussed. The resource person gave an insight into the Industry standards VST plugins



and Digital Audio Workstation for film and music.

Dr Amrutharaj H K, HoD, gave the welcome address, Cdr (Dr) Anil Rana, Director MIT and Dr Somashekar Bhat, Joint Director MIT felicitated Mr Mahesh Amberkar. Program coordinator Dr Nagaraj Kamath proposed the vote of thanks.

WORKSHOP ON GROUP DISCUSSION AND PROFESSIONAL COMMUNICATION

The idea of holistic learning gets demonstrated in multiple ways at MIT, Manipal. While the students gain the required skill sets in engineering domain through regular activities, several additional activities are periodically organized to enhance their soft skills. In this context, the Department of Mechatronics Engineering organized an interactive training session on 04 August 2022, for final year students on tips and tricks to excel during Group Discussions (GD). The session aimed at honing the skills required for the upcoming campus placements was facilitated by Prof Aparna Bhat, Associate Professor from TAPMI, Manipal.

Prof Bhat, outlined the importance of GDs and pointed out the qualities recruiters look for in candidates during this phase. She also detailed the do's and don'ts of conducting oneself during online GDs. This

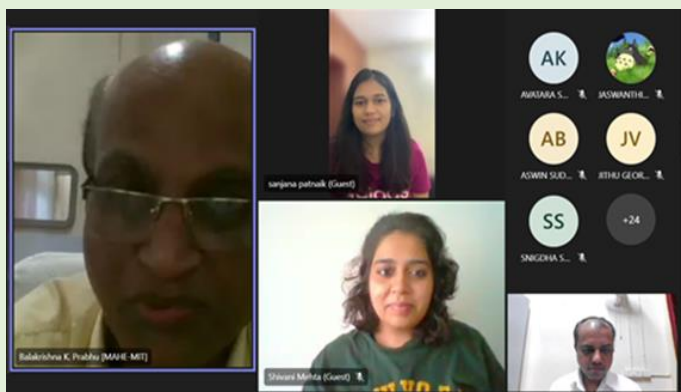


was followed by a mock GD with the participants. The mock session prepared the participants for actual GDs as personalized feedback was provided by Prof Aparna Bhat to each participant.

ALUMNI-STUDENT CONNECT INITIATIVE AT CHEMICAL ENGINEERING DEPARTMENT

Ms Sanjana Patnaik, Synthetic Trading & Securities Lending Associate, Goldman Sachs, Bengaluru and Ms Shivani Mehta, Incoming MS Marketing Analytics student at University of Marylan, ex-SUEZ WTS, Bengaluru, alumni of 2018 Batch (Chemical Engineering), initiated a platform for Alumni-Student Connect of Chemical Engineering Department.

Department of Chemical Engineering, established in 1969, has about 2500 diverse alumni base. Sanjana Patnaik and Shivani Mehta believe it's time to tap into this network and propose to build a useful and interactive program for the current and future students.



Experience is not what happens to you;
it's what you do with what happens to you



WORKSHOP ON 'PART-OF-SPEECH TAGGING FOR KANNADA LANGUAGE'

As a part of National Language Translation Mission funded projects, a workshop on Part-of-Speech Tagging for Kannada Language' was organized by the Department of Computer Science and Engineering on 05 August 2022. The workshop focused on Bureau of Indian Standards (BIS) Part-of-Speech tagset for Kannada. Faculty and student participants were introduced to Part-of-Speech tagging using an annotation tool Sanchay. Dr Narendra V G, Mr Ashwath Rao and Ms Musica Supriya faculty of the department were the resource persons for the workshop.



MISSION AMRIT SAROVAR

Manipal Institute of Technology has been chosen to take part in the Honourable Prime Minister's Flagship "Mission Amrit Sarovar" as part of the "Azadi ka Amrit Mahotsav," an important programme that aims to promote water conservation in the future. The Mission is being carried out by the Ministry of Housing and Urban Affairs in association with the Ministry of Education and AICTE, Government of India.

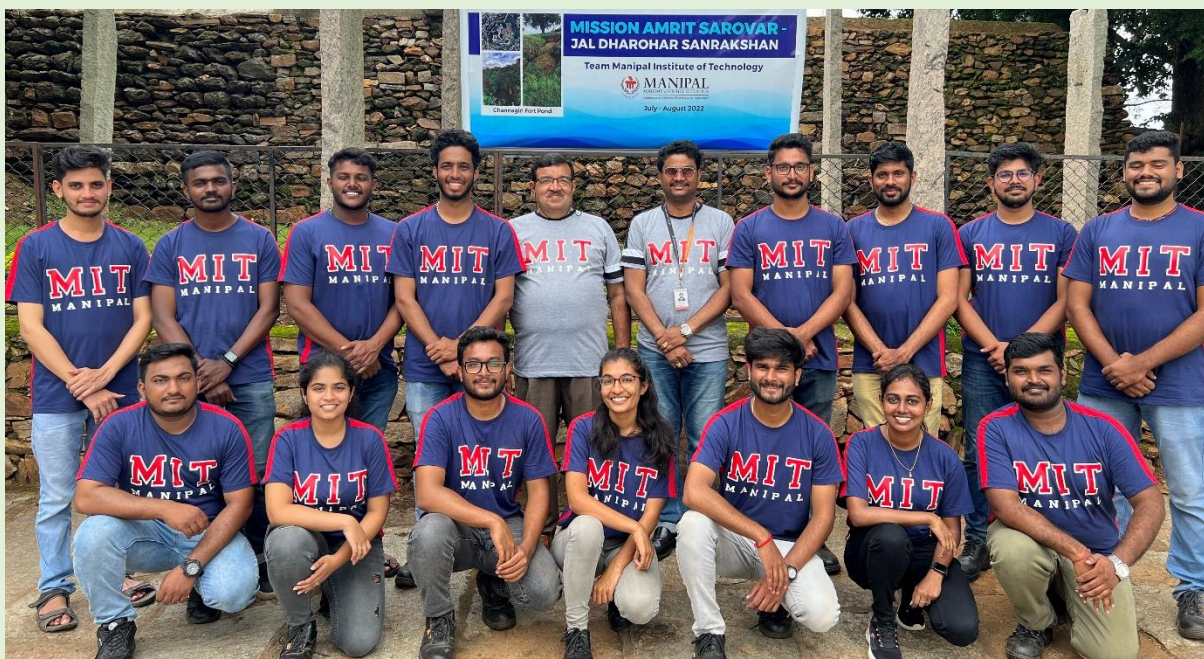
Davanagere district's "Fort Ponds at Channagiri" was allotted to Manipal Institute of Technology. A group of 15 students from the Department of Civil Engineering at MIT, MAHE, Manipal, supervised by Dr B Raghavendra K Holla and Dr Balakrishna K who visited the study area and collected the required data for a week. The group included 12 M.Tech Construction Engineering & Management students and 3 students of M.Sc Geology. Dr H N Udayashankar, retired professor of Geology of MIT Manipal, extended his support and expertise for geological investigations.

The team conducted reconnaissance surveys, topographical and spatio-temporal investigations, and attempted to determine the size, water holding

capacity, catchment area, and other aspects. Through the analysis of the water, soil, and rock samples, the health of the ponds and their catchment area was determined. In order to comprehend the socioeconomic situation of the region, the historical, cultural, and religious value of the pond, as well as the current water demand, a public poll was conducted.

By holding a drawing competition for Channagiri children in schools with the theme "Nammoora Kote Honda" (Fort pond of our town) and distributing pamphlets in important local newspapers with a story about the pond that details its past, present, and future, it was possible to creatively raise awareness among the general public about the importance of caring for the water bodies in their own neighbourhood. The public is also being urged to help #MissionAmritSarovar and breathe new life into ponds.

Through a detailed project report and relevant posters, strategies and ideas for revitalization, enhancing the health of the water, and increasing fort visibility were presented to the government.



LIONS CLUB BLOOD DONATION CAMP

On the occasion of Azadi ka Amrit Mahotsav (15 August 2022), the Lions Club of Manipal (University Campus)-MIT along with Kasturba Medical College Hospital and Abhayahasta Trust conducted a blood donation camp at MIT-Manipal, MAHE.

The event was inaugurated by Cdr (Dr) Anil Rana, Director, MIT. The NCC Naval cadets of MIT showed remarkable enthusiasm and supported the cause by donating blood in large numbers. Fifty units of blood were collected.

Cdr (Dr) Anil Rana motivated the students and emphasized the need for creating awareness among the people about the importance of donating blood and saving lives.



The Associate Director-Student Welfare, Dr Nagaraj Katagi, Faculty Advisor of the club Dr Dasharathraj K Shetty from Data Science and Computer Applications, Dr Balakrishna S Maddodi, faculty from Civil Engineering, Mr Prithvi Tilwani, the Club President, Mr Sriyansh Chabbra, Secretary of the Club, and the club members were present on the occasion.

BLOOD DONATION CAMP CONDUCTED BY SOCIO ICHOR

The student group Socio Ichor organized blood donation camp on the 17 September on the MIT campus to mark the birth anniversary of the Chancellor of MAHE, Dr Ramdas M Pai.

It also coincided with the world's biggest Blood Donation Drive organized on the occasion of birth anniversary of the Prime Minister of India Shri Narendra Modi, spanning across over 1000 locations throughout the nation.



TALK ON “ARTIFICIAL INTELLIGENCE AND ITS MEDICAL APPLICATIONS”

Dr Rameswari Poornima Janardanan, Head of Research at Riyadh Elm University (REU), Riyadh, Saudi Arabia delivered an invited talk on ‘Artificial Intelligence and its Medical Applications’ at the Department of Biomedical Engineering on 04 August 2022.

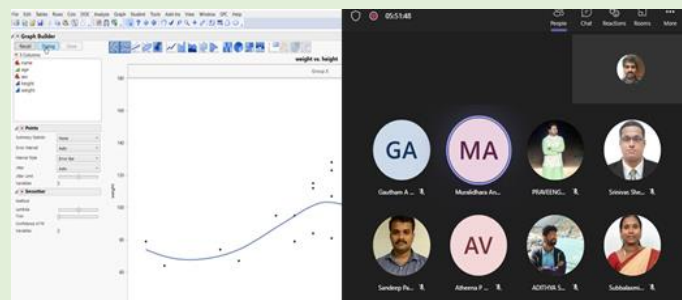
Dr Rameswari Poornima Janardanan is an alumna of Department of Biomedical Engineering, BE (1997) & M.Tech (2000).



TALK SERIES ON “DESIGN OF EXPERIMENTS USING JMP”

Department of Chemical Engineering organized a JMP Expert Talk Series-2 on “Design of Experiments using JMP” at MIT on 09 July 2022. Students and faculty members participated in the hands-on training session delivered by Dr Muralidhara Anandamurthy, from JMP Academic Team, India.

The talk series focused on selected topics such as Introduction to Design of Experiments, DOE guidelines, Factorial Design, Fractional Factorial, Central Composite Design, Box Behnken Design, Statistical Analysis, Simple Lattice, Simplex Centroid, Extreme Vertices, ABCD Design, Analysis of Mixture Design output, Introduction to Custom Design, Design Comparison, Prediction, Simulation and Optimization.



Dr Srikanth Divi, Assistant Professor, Department of Chemical Engineering organized the workshop with the support from Research Scholars Ms Ramyashree and Mr Adithya.



If you don't like something change it;
if you can't change it, change the way you think about it...



INVITED TALKS DURING TECHNO WEEK AT DEPARTMENT OF CIVIL ENGINEERING

In a unique event held at the Department of Civil Engineering in association with ACCEI Mangalore chapter and M/s RAMCO cement, 14 guest talks by experts on diverse aspects of civil engineering were delivered on a single day on recent developments in construction industry. This event was held as a part of Techno week on 22 September, 2022.



The following is a snapshot of the talks:

- Dr Manu Basavarau, Associate Professor, NITK, Surathkal, spoke on “Sustainable waste water treatment for possible recycle/reuse”.
- Mr Arun Prabha, General Manager, SMART City Ltd, Mangalore, presented on “Smart Engineering”
- Dr Rajesh, Principal, Yenepoya Institute of Technology delivered talk on “Nature and Structure”.
- Dr Palakshappa, H.O.D, Civil Department, P A Engineering College, Mangalore shed light on “Global Warming and Climate Change”.



- Dr Premanand Shenoy, Proprietor, Leading Structural Consultant, Mangalore enlighten on “Life of a Structural Engineer”.
- Dr Babu Narayan, Professor, Department of Civil Engineering, NITK, Surathkal spoke on “STEP-WISE”.
- Mr Ujwal D’Souza, Director Operations, Marian Constructions Pvt Ltd delivered talk on “Construction Project Management - Introduction”.
- Dr Rajendra Kalbhavi, Executive Director, NIMRITI KENDRA presented on “C&D waste management”.
- Mr Anil Baliga, Proprietor, M/s Manjeshwara Chemicals, Mangalore delivered talk on “Durable Structure using Construction Chemicals”.
- Mr Prem Prasad, Former General Manager, Raheja Builders, shared his vision on “Construction Management”.
- Mr Anil Hegde, Leading Structural Consultant, Vimal Anil Civil & Structural Engineers spoke on “Safety aspects in Structural Engineering”.
- Dr Radhakrishnan, Professor, Department of geology, NMAMIT, Nitte delivered talk on “Geo Diagnosis of Engineering Marvels”.



- Mr Venkatesh Prasad N, Director, Central Institute of Coastal Engineering for Fisheries (CICEF), Department of Fisheries, Government of India, spoke on “Ports and Harbour Development in Coastal Karnataka” and Mr Ravishankar N, Deputy Director, CICEF, Department of Fisheries, Government of India was present during the presentation.

AKSHAY URJA DIWAS: SOLAR LAMP WORKSHOP

Manipal Institute of Technology celebrated Akshay Urja Diwas on the 20 August 2022 wherein 400 students from government schools of Udupi and Brahmawar were sensitized about solar energy and the dire consequences of climate change through a workshop. The workshop included hands-on training for school students to assemble solar lamps. Assembled solar lamps in this workshop were distributed to all the student participants along with school teachers.

Shri N K Shivaraj (Deputy Director of Public Instruction, Udupi), Mrs Jahnvi (Education Officer, Udupi), Shri Ashok Kamath (Block Education Officer, Udupi), Cdr (Dr) Anil Rana (Director), and Dr Somashekara Bhat (Joint-Director) were in attendance to bolster the energy swaraj message.

Dr Naresh Kumar Mani, Associate Professor, Department of Biotechnology, Faculty coordinator (VSO), and several MIT student clubs organized this event. Dr Vijendra Prabhu, Assistant Professor - Selection Grade, Department of Biotechnology served as master of ceremony.



INDEPENDENCE DAY CELEBRATIONS: AZADI KA AMRIT MAHOTSAV

Student clubs of the Institute organized a plethora of exciting activities to celebrate Independence Day under the Azadi Ka Amrit Mahotsav initiative. Student Council with the support of the Office of the Student Welfare coordinated the following major events:

OPEN MIC

Open Mic was an excellent opportunity for the students to participate in the Independence Day festivities and showcase their talents. It was an open event for the talented students to exhibit their skills in various fields. The event was a collaborative effort between Chords & Co. and MAFIA, two of Manipal's most esteemed cultural clubs. It was held on 13 August 2022 at the Quadrangle and performances ranged from skillful renditions of patriotic songs to Independence-themed speeches.



KAVI SAMMELAN

It was a special event to mark the occasion and celebrate the spirit of Independence through poetic rendition organized by Goonj - the Hindi Literary Society of MAHE, Manipal. The event was held at the Innovation Centre stage. The crowd was of different age groups and disciplines. It ranged from young kids, students to professors. All dressed in traditional attire and spirit of patriotism made the event a grand success.



JASHN-E-AZADI

Under the "Azadi ka Amrit Mahotsav" initiative, a special event named Jashn-E-Azadi was held on 15 August 2022 at the Library Auditorium. The event witnessed a number of cultural performances and sharing of good wishes among the participants. The event was organized by Goonj - the Hindi Literary Society of MAHE.



FLAG DISTRIBUTION

As a response to the Government of India initiative 'Har Ghar Tiranga campaign', the members of Rotaract Club actively participated in the distribution of Indian tricolor to the households of the region. This was done with a view to establish a personal connection with the flag, raise awareness about its symbolism and to kindle the patriotism in our hearts. The student members of the Rotaract club Manipal distributed flags to 75 houses in and around MIT campus. The students went door-to-door handing out flags and smiles and raised awareness about the Azadi ka Amrit Mahotsav initiative, the significance of our national flag-Tiranga and the Do's and Don'ts of flag hoisting.



QUIZ HAI HINDUSTANI

The Literary Debating and Quiz Club (LDQ) with the support of the Student Council organized a unique quiz competition to the students named Quiz Hai Hindustani for the students. The event aimed at imparting a piece of India to its audience in a renewed perspective. Preceding the Quiz, a member of the Nasha Mukti Club, Mr Shubhdeep Bhatta, spoke about the societal damage that illegal narcotics bring about, and how we are still fighting another war against it. The quiz was hosted by Mr Keval Shah.



Know how to listen and you will profit even from those who talk badly.



MANIPAL CONNECTS WITH 'SAVE SOIL' INITIATIVE

'Save soil', an initiative by the founder of Isha foundation- Sadhguru Jaggi Vasudev has inspired countless people across the globe. Isha volunteers have been spreading Sadhguru's message 'save soil' with great enthusiasm.

'Save soil' is a campaign initiated by Sadhguru, to spread the importance of organic rich soil for current and future generations. The organic contents of the soil have drastically come down over the years due to excessive usage of chemical contents in farming. Lakhs of farmers have suffered from eroding fertility of soil. To bring back the organic contents of soils, there has to be drastic change in policies of government towards farming. Farmers need to be given incentives for improving the organic contents of topsoil.

To create awareness Sadhguru, undertook a 100-day motorcycle ride starting from London, covering majority of nations across Europe, Middle East Countries and across India. The journey finally concluded in Coimbatore, covering a total of 30,000km. His journey was to sensitize various government heads and influential people in power to take this issue seriously and to bring about the policy

change for improving soil health.

Mr Sahil Jha, a 17-year young boy, a native of Bihar, has undertaken a lone cycle ride to spread this awareness among the people. Starting his journey from Kolkata and covering a distance of 2500km over a period of 4.5 months, Mr Jha is on a mission to educate. He was in Udupi for a few days in the month of September.

On 18 September 2022, Mr Jha was welcomed to MIT by the Director, Cdr (Dr) Anil Rana, Joint Director, Dr Somashekar Bhat, Dr Nagaraj Katagi, Associate Director (Student Welfare), Mr Ashok Rao and Mr Rathnakar Samanth (Security officers), faculty members, students and Isha volunteers. To mark this event, a sapling was planted in the institute premises. Followed by this, Mr Jha addressed the gathering and shared his experience from the day he left his home.

The event was coordinated by Dr Chandrakantha Bekal, Associate Professor, Dr Ravindra Mallya, Assistant Professor - Senior Scale, Department of Aeronautical & Automobile Engineering, Mrs Mangala K, Junior Research Fellow, Mr Priyanshu Gupta, President, Student Council and Isha volunteers.



CARTOON BY:
KAVYA KUDVA



FACULTY ACHIEVEMENTS

Dr MANOHARA PAI RECEIVES NATIONAL TECHNICAL BEST TEACHER AWARD FROM AICTE

Dr Manohar Pai M, Professor, Department of Information Communication Technology (ICT) has received the prestigious National Technical Best Teacher award from AICTE.

The award is introduced by AICTE for identifying the exceptional teachers at the national level in field of technical education. Teachers with unique contributions from the AICTE approved institutions offering Degree and Diploma in the country are considered for the award. This scheme, formerly called AICTE - Visweswaraya Best Teacher award is aimed to recognize 20 meritorious and outstanding teachers on Teacher's Day i.e., 05 September every year at National level.

Dr Manohar M Pai was nominated by MIT Manipal and was selected by a panel of experts constituted by AICTE for the award. He received the award on 06 September 2022 at a function organized in Dr Ambedkar International Centre, New Delhi by the Ministry of Education, Government of India, in



presence of Smt Annapurna Devi, Shri Rajkumar Ranjan Singh, and Dr Subhash Sarkar, Ministers of State (MoS) for Education, Government of India. The award comprises cash prize of ₹25,000 along with a medal and certificate of excellence in recognition of teaching excellence in technical education.

Dr RADHAKRISHNA BHAT SECURED "BEST PROJECT OF THE YEAR" AWARD

Dr Radhakrishna Bhat, Assistant Professor, Department of Computer Science and Engineering and his team secured "Best Project of the Year" award in the state-level 45th Series of Karnataka State Council for Science and Technology (KSCST) Student Project Programme (SPP) during the Seminar and Exhibition held at the Visvesvaraya Technological University (VTU), Belagavi on 12 and 13 August 2022.

The project is on the topic "Experimental Evaluation of Secure Fault-Tolerant Sensor Network Communication Performance".



Dr RADHAKRISHNA BHAT

Dr ZUBER AND TEAM RECEIVES THE BEST CREATIVE POSTER AWARD

Dr Zuber, CEO, MUTBI and his team attended the regional Institution Innovation Cell meet at Bangalore. The poster presented in the meeting on the IIC activities received the best creative poster award.



Dr ZUBER

Dr ANISH KUMAR WARRIER RECEIVES DST-SERB RESEARCH PROJECT

Science and Engineering Research Board (SERB) of the Department of Science and Technology (DST), Government of India sanctioned a three-year research project grant worth ₹46,74,620 to Dr Anish Kumar Warriar, Department of Civil Engineering.

Dr Warriar is the principal investigator of the project titled 'Understanding the Fluxes of Microplastics in the Coastal Ecosystems of Major Rivers of India'. He will be assisted by two co-principal investigators Dr Priya M D'Costa (Goa University) and Dr Kanu Shil (Assam Downtown University).



Dr ANISH KUMAR WARRIER

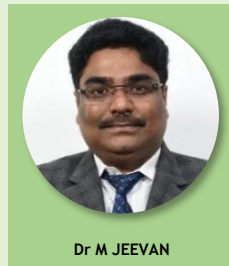


You cannot understand where someone's going unless you understand where they have been.



Dr PRAMOD K NAMBOOTHIRI RECEIVES SERB RESEARCH GRANT

Dr Pramod K Namboothiri, Assistant Professor- Selection Grade, Department of Biomedical Engineering, along with CO-PIs Dr M Jeevan, Associate Professor, Department of Biomedical Engineering, Dr Mathew Peter, Assistant Professor, Department of Biomedical Engineering and Dr Manikantan, Department of Physiotherapy, MCHP received a grant worth ₹38 Lakhs from SERB for 'Developing Sensor System for Post Stroke Analysis of Patients'.



Dr ADITYA UDAYRAJ JOSHI RECEIVES SERB STARTUP RESEARCH GRANT

Dr Aditya Udayraj Joshi, Assistant Professor, Department of Civil Engineering has been awarded the SERB Startup research grant worth ₹23,01,772. He is the Principal Investigator for the project.

Major highlights of the approved project include searching for new uranium deposit, which is one of the major strategic minerals in India and studying the tectonics associated to its genesis.



Dr SHIVSHANKAR HIREMATH QUALIFIES AS CERTIFIED TRAINER

Dr Shivshankar Hiremath, Assistant Professor- Senior Scale, Department of Mechatronics, successfully completed certification in Robotics Technology and Operation conducted under the trainer's training program - SANKALP, Skill Acquisition and Knowledge Awareness for Livelihood Promotion, a program under the Ministry of Skill Development and Entrepreneurship, Government of India.

The training program in Robotics and Automation was implemented in association with Marathwada Auto Clusters, Aurangabad, Automotive Skill Development Council (ASDC), New Delhi and Indo-German Chamber of Commerce (AHK). The program aimed to strengthen the skills that enhanced competence in the area of training in robotics and automation.



Dr K ABHIMANYU KUMAR PATRO CHAIRED MCCS-2022 TECHNICAL SESSION

Dr K Abhimanyu Kumar Patro, Assistant Professor, Department of Mechatronics chaired the Technical Session in the 7th International Conference on Microelectronics Computing & Communication Systems (MCCS-2022) organized by Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi, Jharkhand, from 09 to 10 July 2022 in virtual mode.



Dr JEANE MARINA D'SOUZA RECEIVES APPRECIATION FROM COURSERA

Dr Jeane Marina D'Souza, Assistant Professor- Senior Scale, Department of Mechatronics, received a certificate of appreciation as a guide to Arthur Gomes, 7th semester Mechatronics B.Tech, who won the first prize in the Coursera #showyourskills# 2022 Contest in the Track Technology. The project was titled "Autonomous Path Finding Robot".



Dr ANISH KUMAR WARRIER RECEIVES RECOGNITION FROM MINISTRY OF EARTH SCIENCES

Dr Anish Kumar Warriar, Associate Professor, Department of Civil Engineering received a certificate and a medal from Dr M Ravichandran, Secretary, Ministry of Earth Sciences, Government of India in the 39th Indian Scientific Expedition to Antarctica during November-December 2019. The felicitation ceremony was held on 25 August 2022 at the National Centre for Polar and Ocean Research (Ministry of Earth Sciences), Goa.



DELIVERED TALK ON ALL INDIA RADIO (AIR) AKASHAVANI MANGALORE

Ms Musica Supriya, Assistant Professor, Department of CS&E, delivered a talk on 11 August 2022 titled "Machine Translation in Indian Languages: Past, Present and Future" in All India Radio (AIR) Akashvani Mangalore.

Dr Shankaranarayana Bhat, Associate Director, Faculty Development & Welfare, MIT, delivered a talk on 22 August 2022 titled "Indian Knowledge Systems: The Emerging Acres of Diamond" in All India Radio (AIR) Akashvani Mangalore.

Dr Karunakar A Kotegar, Director of International Collaborations, MAHE, delivered a talk on 26 September 2022 titled "NEP 2020 and Employability" in All India Radio (AIR) Akashvani Mangalore.



Ms MUSICA SUPRIYA



Dr SHANKARANARAYANA BHAT



Dr KARUNAKAR A KOTEGAR

Dr DASHARATHRAJ K SHETTY & Dr BALAKRISHNA MADDODI RECEIVE "THE THINK TANK WITH HIGH SOCIAL IMPACT-2022" AWARD

Dr Dasharathraj K Shetty, Associate Professor, Department of Data Science and Computer Applications, Secretary General of the Think Tank, Dr Balakrishna Maddodi, Assistant Professor - Selection Grade, Department of Civil Engineering, Mr Sudheer Kumar, Industrialist, Delhi & MIT Alumnus, and Dr Jayaraj MB, Department of Emergency Medicine, KMC received the prestigious "The Think Tank with High Social Impact-2022" award at the Indian CSR Awards 2022 held on 27 August 2022 at the Hyatt Regency, Gurugram on behalf of I-BAT (www.i-bat.in) - The Think Tank. I-BAT is a not-for-profit THINK TANK that researches and advocates on topics such as Management (General & Specific), Social Policy, Economics, Geopolitics, Technology, and Culture.



Dr DASHARATHRAJ K SHETTY CONFERRED WITH THE "DYNAMIC PERSONALITY AWARD-2022"

Dr Dasharathraj K Shetty, Associate Professor, Department of Data Science and Computer Applications was conferred with the "Dynamic Personality Award-2022" on 05 September 2022. The award function was organized by Wisdom Ed & Abhijnya Education Pvt Ltd, to honour teachers who have made noteworthy achievements in the field of education.





Dr KARUNAKAR A KOTEGAR
Director of International Collaborations, MAHE

Dr Karunakar A Kotegar, Professor & Head, Department of Data Science and Computer Applications, is appointed as Director of International Collaborations, MAHE, with effect from 01 August 2022. Dr Karunakar succeeds Dr Raghu Radhakrishnan.



Dr P RAGHAVENDRA PRABHU
Deputy Registrar, MAHE, Bengaluru Campus

Dr P Raghavendra Prabhu, Professor, Department of Mechatronics and Deputy Registrar - Administration, MAHE, Manipal is appointed as the Deputy Registrar - MAHE Bengaluru Campus with effect from 22 August 2022. Dr Raghavendra Prabhu P succeeds Dr Vidya Shankar Shetty.



Dr RAGHAVENDRA U
Deputy Registrar, Administration, MAHE

Dr Raghavendra U, Associate Professor, Department of Instrumentation and Control Engineering, is appointed as the Deputy Registrar - Administration, MAHE with effect from 01 September 2022. Dr Raghavendra U succeeds Dr P Raghavendra Prabhu.



Dr VIJAYA KINI M
Associate Director, Alumni Cell, Public and International Relations, MIT

Dr Vijaya Kini M, Associate Director, Alumni Cell, Public and International Relations, MIT has received an extension of tenure.



Dr ASHOK RAO
Associate Director, Research & Consultancy, MIT

Dr Ashok Rao, Associate Director, Research & Consultancy, MIT received an extension of his tenure.



Dr SHANKARANARAYANA BHAT
Associate Director, Faculty Development & Welfare, MIT

Dr Shankaranarayana Bhat, Associate Director, Faculty Development & Welfare, has received an extension of tenure as the University Coordinator for the Universal Human Values course.



Dr RADHIKA M PAI

Head of Department of Data Science and Computer Applications

Dr Radhika M Pai, Professor, Department of Information Technology, is appointed as Head of the Department of Data Science and Computer Applications, with effect from 01 August 2022. Dr Radhika M Pai succeeds Dr Karunakar A Kotegar.



Dr YOGESH P PAI

Incharge Head of Department of Humanities & Management

Dr Yogesh P Pai, Associate Professor - Senior Scale, is appointed as Incharge - Head of the Department of Humanities and Management, with effect from 01 September 2022. Dr Yogesh P Pai succeeds Dr B Goplakrishna.



Dr SUHAS Y NAYAK

Workshop Superintendent, MIT

Dr Suhas Y Nayak, Assistant Professor - Senior Scale, Department of Mechanical & Industrial Engineering, is appointed as Workshop Superintendent, with effect from 17 September 2022. Dr Suhas Nayak succeeds Dr Achutha Kini.



Dr BHARATH RAJ GURU

Coordinator for the Centre for Ocular Nano Medicine, MAHE

Dr Bharath Raj Guru, Professor, Department of Biotechnology, is appointed as Coordinator for "Centre for Ocular Nano Medicine" with effect from 01 August 2022.



Dr MURTHY DHARAMPURA

Coordinator for the Centre of Renewable Energy, MAHE

Dr Murthy Dharampura, Associate Professor - Research, Department of Chemistry, is appointed as Coordinator for "Centre for Renewable Energy" with effect from 01 August 2022.



Dr SANDESH UPADHYAYA K

Assistant Director, Development, MIT

Dr Sandesh Upadhyaya K, Assistant Professor - Senior Scale, Department of Civil Engineering, is appointed as Assistant Director - Development, with effect from 17 September 2022.



Mr ISHWAR BHIRADI

Assistant Director, Industrial Liaison, Placement and Practice School

Mr Ishwar Bhiradi, Assistant Professor - Senior Scale, Department of Mechatronics, is appointed as Assistant Director - Industrial Liaison, Placement & Practice School, with effect from 17 September 2022.



Dr ADITHI SHASTRY KALLAJE

Assistant Director, Faculty Development & Welfare, MIT

Dr Adithi Shastri Kallaje, Assistant Professor, Department of Humanities and Management, is appointed as Assistant Director - Faculty Development & Welfare, with effect from 04 August 2022.



PHD AWARDEES: FACULTY MEMBERS



Dr NANDINI KUMARI

Assistant Professor, Department of Data Science & Computer Applications
has successfully defended her Doctoral thesis titled “Visually evoked EEG Classification and perceived image regeneration using deep learning” for the award of PhD degree by the Birla Institute of Technology, Mesra, Ranchi on 05 August 2022, 2022. The research work was guided by Dr Shamama Anwar, Assistant Professor, Department of Computer Science and Engineering, Birla Institute of Technology, Mesra, Ranchi and co-guided by Dr Vandana Bhattacharjee, Professor, Birla Institute of Technology, Mesra, Ranchi.



Dr SUNITH HEBBAR

Assistant Professor - Senior Scale, Department of Humanities & Management
has successfully defended his Doctoral thesis titled “Comprehensive Adoption Model of M-Government: A Citizens Perspective from The Smart Cities of Karnataka” for the award of PhD degree by the School of Management, National Institute of Technology Karnataka Surathkal on 18 August 2022. The research work was guided by Dr K B Kiran Professor, School of Management, NITK Surathkal.



Dr RAVIRAJA HOLLA M

Assistant Professor - Senior Scale, Department of Information & Communication Technology
has successfully defended his Doctoral thesis titled “Analysis and Design of GPGPU-based Secure Visual Secret Sharing (VSS) Schemes” for the award of PhD degree by the National Institute of Technology Karnataka Surathkal on 22 August 2022. The research work was guided by Dr Alwyn Roshan Pais, Associate Professor, Department of Computer Science and Engineering, NITK Surathkal.



Dr PRASHANTH BARLA

Assistant Professor, Department of Computer Science and Engineering
has successfully defended his Doctoral thesis titled “Design and development of non-volatile ALU using hybrid MTJ/CMOS logic in memory architecture” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 1 September 2022. The research work was guided by Dr Vinod Kumar Joshi, Associate Professor - Senior Scale, Department of Electronics & Communication Engineering, MIT Manipal and co-guided by Dr Somashekara Bhat, Professor, Department of Electronics & Communication Engineering and Joint Director, MIT, Manipal.

PHD AWARDEES: FULL TIME RESEARCH SCHOLARS



Dr AKSHAYAKUMAR KOMPA

Full-time Research Scholar in the Department of Physics
has successfully defended his Doctoral thesis titled “Investigation of Rare Earth Doped Titania Thin Films for Device Applications” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 19 July 2022. The research work was guided by Dr Mohan Rao K, Professor and Head Department of Physics MIT, Manipal and co-guided by Dr Dhananjaya Kekuda, Associate Professor Department of Physics MIT, Manipal.



Dr PRIYA K

Full-time Research Scholar in the Department of Physics
has successfully defended her Doctoral thesis titled “Characterization of ZnS Based Uv Photodetector Structures Fabricated by Vacuum Evaporation Technique” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 23 July 2022. The research work was guided by Dr Gowrish Rao K, Assistant Professor - Selection Grade, Department of Physics MIT, Manipal.



Dr SWARNAGOWRI

Full-time Research Scholar in the Department of Chemistry

has successfully defended her Doctoral thesis titled “Synthesis and Biological Evaluation of Five Membered Heterocycles of Pharmacological Interest” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 29 July 2022. The research work was guided by Dr Santhosh L Gaonkar, Associate Professor - senior scale Department of Chemistry MIT, Manipal and co-guided by Dr Bharath Raja Guru, Professor, Department of Biotechnology MIT, Manipal.



Dr RASHMI SAMANTH

Full-time Research Scholar in the Department of Electronics & Communication Engineering

has successfully defended her Doctoral thesis titled “Design and Implementation of an Efficient Asic Functional Unit for Standalone Image Processing Applications” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 05 August 2022. The research work was guided by Dr G Subramanya Nayak Professor & Head, Department of Electronics & Communication Engineering MIT, Manipal.



Dr NISHITHA JEVITA D'SOUZA

Full-time Research Scholar in the Department of Civil Engineering

has successfully defended her Doctoral thesis titled “Reconstructing the Past Contamination in the Estuaries of Karnataka Coast Using Geochemical and Sedimentological Proxies with Isotope Dating” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 06 August 2022. The research work was guided by Dr K Balakrishna, Professor, Department of Civil Engineering MIT, Manipal and co-guided by Dr Udaya Shankara H N, Professor, Department of Civil Engineering MIT, Manipal.



Dr MARY ANN GEORGE

Full-time Research Scholar in the Department of Electronics & Communication Engineering

has successfully defended her Doctoral thesis titled “Analog Circuit Realization and Performance Analysis of Fractional Order Controllers” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 06 August 2022. The research work was guided by Dr Dattaguru V Kamath, Professor & Head, Department of Mechatronics Engineering MIT, Manipal.



Dr TAPATEE SAHOO

Full-time Research Scholar in the Department of Mathematics

has successfully defended her Doctoral thesis titled “Ideal Like Substructures in Module Over a Nearing and A Matrix Nearing” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 13 August 2022. The research work was guided by Dr Syam prasad Kuncham, Professor, Department of Mathematics MIT, Manipal and co-guided by Dr Babushri Srinivas Kedukodi, Associate Professor - Senior scale, Department of Mathematics MIT, Manipal and Dr Hari Krishnan P K Associate Professor - Senior Scale Department of Mathematics MIT, Manipal.



Dr JOYCELINE PRAVEENA D

Full-time Research Scholar in the Department of Biotechnology

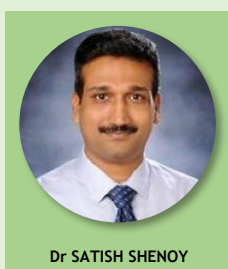
has successfully defended her Doctoral thesis titled “Effect of Biodegradable Nanomaterials Encapsulated with Paclitaxel/Curcumin Against Cancer-In-Vitro Studies” for the award of PhD degree by the Manipal Academy of Higher Education, Manipal on 29 August 2022. The research work was guided by Dr Bharath Raja Guru, Professor, Department of Biotechnology MIT, Manipal.



RESEARCH HIGHLIGHTS

TWO PAPERS PUBLISHED IN TOP 10 PERCENTILE JOURNAL

The team consisting of Mr Anand Pai, Assistant Professor - Senior Scale, Dr Satish Shenoy, and Dr Chandrakanth Kini, Professors, Department of Aeronautical & Automobile Engineering has published two papers in the top 10 percentile journals in the duration of two months. One is a review paper titled “Development of materials and structures for shielding applications against blast and ballistic impact: A detailed review” in the journal Thin-Walled Structures (Cite Score 7.7, Impact factor 5.881) Volume 179. Another paper titled “Experimental and Numerical studies of Fiber Metal Laminates comprising Ballistic fabrics subjected to Shock Impact”, in the journal Composite Structures, (Cite Score 9.7, Impact factor 6.603) Volume 297.



Dr SATISH SHENOY



Mr ANAND PAI



Dr CHANDRAKANTH KINI

PROJECT SELECTED UNDER BIRAC E-YUVA SCHEME

The project proposal submitted by Team MIT has been selected for the EYUVA Fellowship at the BIRAC EYUVA Centre, University of Agricultural Sciences, Dharwad for 'Low-Cost Fabrication of Flexible Humidity Sensors Powered by Micro Supercapacitors for Real Time Sensing Applications in the Agricultural and Biomedical Industries'. The project was selected under BIRAC-Empowering Youth for Undertaking Value Added Innovative Translational Research (EYUVA) Scheme. The project is mentored by Dr Selvakumar, Assistant Professor - Selection grade, Department of Chemistry, MIT and student members include Mr Achintya Dutta (4th Year, EC) Mr Aditya Arun Nirmale (3rd Year EC) and Mr Aditya Gunturu (4th Year Media Technology)



Dr SELVAKUMAR



Mr ACHINTYA DUTTA



Mr ADITYA ARUN NIRMALE



Mr ADITYA GUNTURU

DST PROJECT ON COVID-19

Dr K Balakrishna, Professor, Department of Civil Engineering, MIT is a part of the MAHE team that secured the grant worth ₹43.12 lakh for DST Project on COVID 19. The research proposal on the surveillance of waste water in the waste water treatment plants at MAHE for the COVID 19 virus has been approved by DST, Government of India. The project involving Dr Chiranjay Mukhopadhyay, Associate Dean, Manipal Institute of Virology as the principal investigator, Dr Anitha of Manipal Institute of Virology as co-principal investigator, and Dr K Balakrishna of MIT as second co-principal investigator, aims to examine if wastewaters can predict the COVID virus variants or mutations before they are discovered in the clinical samples.



Dr K BALAKRISHNA



Dr CHIRANJAY M



Dr ANITHA

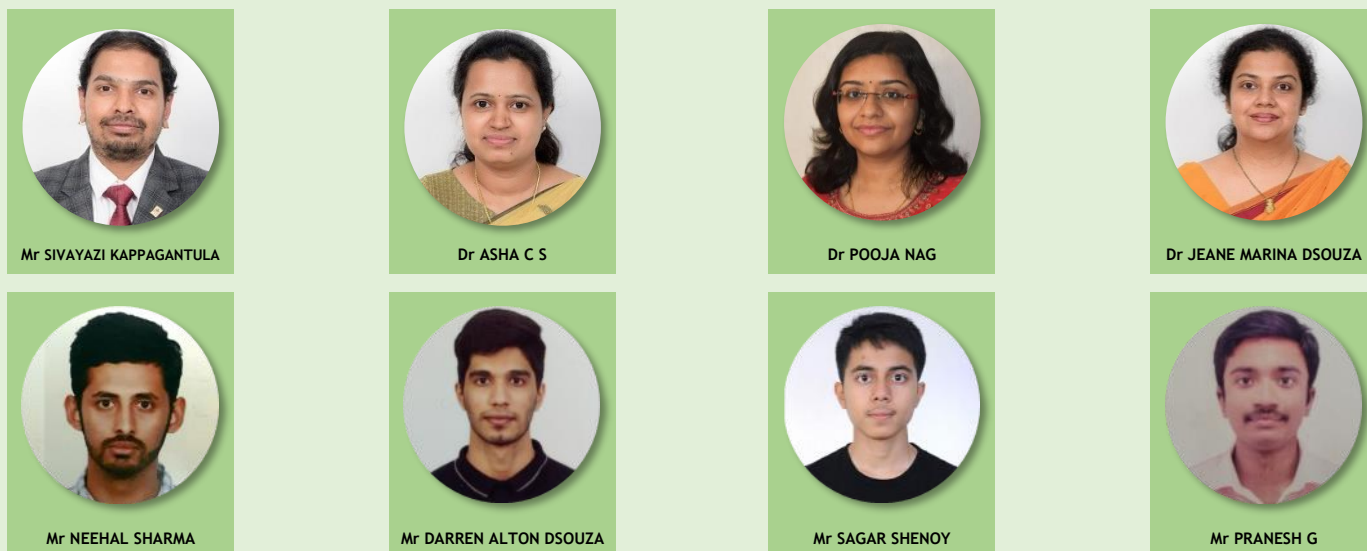
PATENT FILED BY B.TECH STUDENTS - BIOTECHNOLOGY AND MEDIA TECHNOLOGY

A patent application has been filed on, "Green Method for Producing Natural Colorants from Plant-Based Materials" by a team consisting of Swathi Pai (B.Tech Biotechnology), Shloka Shetty Sachin (B.Tech Media Technology), and Nivedhita Singh (B.Tech Media Technology). The work is carried out under the guidance of Dr Narasimhan S, Associate Professor from Biotechnology, Dr Amrutharaj H Krishnan, Professor & HoD, and Ms Asha Srinivasa Pai Assistant Professor - Selection Grade, from Media Technology.



TEAM FROM MECHATRONICS FILES A PATENT

The patent titled "Apparatus for Harvesting and Spraying Pesticides on Crop Items" was jointly filed by Mr Sivayazi Kappagantula, Assistant Professor, Dr Asha C S, Associate Professor, Dr Pooja Nag, Assistant Professor - Senior Scale, Dr Jeane Marina Dsouza, Assistant Professor - Senior Scale along with a team of students from Mechatronics Department comprising of Mr Neehal Sharma, Mr Darren Alton Dsouza, Mr Sagar Sanjay Shenoy and Mr Pranesh G on 09 July 2022.



Ms ASHWINI AMIN AWARDED THE DST-INSPIRE FELLOWSHIP

Ms Ashwini Amin, Research Scholar, Department of Computer Science and Engineering, has been awarded the DST-Inspire Fellowship, a flagship program of the Department of Science and Technology (DST), under the Ministry of Science and Technology, Government of India.

The fellowship that aims to encourage students in the field of science to pursue their interest, granted a total amount of ₹23,37,360 and a contingency of ₹1,00,000 for 5 years to Ms Ashwini Amin for her research topic "Application of Artificial Intelligence and Image Processing techniques for breast cancer detection". The research is being carried out under Dr Dinesh Acharya U, Professor, Department of Computer Science and Engineering.



Mr NIRANJAN D B RECEIVES ICMR SRF GRANT

Mr Niranjan D B, Research Scholar, Department of Biomedical Engineering, under the guidance of Dr Pramod K Namboothiri, Assistant Professor - Selection Grade, Biomedical Engineering received ICMR SRF for ₹12 Lakhs.



STUDENTS IN ACTION

STARTUP - BUGBASE

Vulnerabilities are not just human predicament. They can even extend to the manmade wall of protection from dangers and threats. In an era of ethical hacking and providing companies service to protect their systems and data, students of MIT, founder of BugBase, a startup led by Dhruva Goyal (CEO - 2nd Year CSE MIT), Kathan Desai (COO - 2nd Year DSE MUJ), S Sitaraman (CIO - 2nd Year CCE MIT), and P Aditya Mohan (CTO - CCE IT MIT) have been successful in raising \$500K in funding led by 2am VC.



DHRUVA GOYAL



KATHAN DESAI



S SITARAMAN



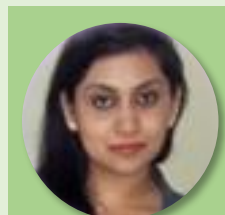
DHRUVA GOYAL

STARTUP - MANIPAL NOVA TECHNOLOGIES AT MAHE-GOK BIOINCUBATOR

The team consisting of Vijay Babu Koreboina, (Mechatronics), Sree Roy, (MCOADS), and Manapragada Naga Venkata Sai Kumar, (MSAP), successfully registered the company “SVN NOVA TECH” on the Ministry of Corporate Affairs (MCA), Government of India Portal.



VIJAY BABU KOREBOINA



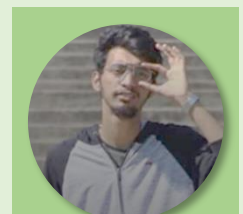
SREE ROY



M NAGA VENKATA SAI

BEST NEW ARTIST AWARD FOR THE MONTH OF JUNE - 2022 BY WYNK MUSIC

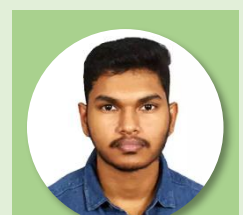
There seems to be an interesting link between music and engineering. Rockstar engineers such as Brian May, Tom Scoltz from Boston, Dexter Holland (Offspring) and many more have adorned caps both as engineers and as musicians. Dheeraj Hegde, a Biomedical engineering student has created a niche for himself by composing music for music enthusiasts. His Instagram account reads the following: Wynkmusic's Artist, Music producer, Biomedical Engineer. Nonetheless it is becoming possible that students like Dheeraj would be able to balance engineering and music at the same time. It is a proud moment for MIT, Manipal that he has been awarded the Best New Artist for the month of June - 2022 by one of the largest music streaming platforms in the international level, Wynk Music.



DHEERAJ HEGDE

ET CAMPUS STARS CLASS OF 2022

The Economic Times Digital recently concluded the 5th edition of ET Campus Stars (ETS 5.0). It is India's largest hunt for the brightest engineering minds in the country, where a large number of budding engineers participated. Out of the 91 competitors, Aravind Karthik, a student from Aeronautical Engineering, MIT Manipal was listed in the prestigious ET Campus Stars Class of 2022. The initiative was held in partnership with Amrita Vishwa Vidyapeetham as presenting partner, BridgeLabz Solutions as Employability Partner, EIT InnoEnergy as Sustainable Energy Partner, Auxilo Finserve Private Limited Finserve as Education Loan Partner, Think Exam as Assessment Partner, and Bennett University as Knowledge Partner.



ARAVIND KARTHIK

TEAM MANIPAL RACING WINS MEGA ATV CHAMPIONSHIP 2022

Team Manipal Racing Combustion won the Mega ATV Championship held from 11 to 14 May 2022 at Querim, Goa, India. Mega ATV Championship is an all-India engineering competition where students design, manufacture, test and compete with a single seater all-terrain vehicle.

Fifty-two teams participated in the physical dynamic events organized by Autosports India. The rankings obtained by the team in different streams of the competition are as follows: 1st in Flat Dirt Race, 4th in Drag Race, 7th in Endurance Race, and 5th Overall.



MARS ROVER MANIPAL TEAM SECURED THE SECOND POSITION WORLDWIDE

Mars Rover Manipal team participated in the European Rover Challenge (ERC) - 2022 online (remote edition) event from 09 to 11 September 2022.

The Team secured the 2nd Position worldwide out of 24 teams participated in the event. The following awards accompanied the podium finish.

1. Best Performing Team in Maintenance Task
2. Best Performing Team in Science Task
3. Best Performing Team in Presentation Task



MANIPAL BIOMACHINES AWARDED IGEN IMPACT GRANT

Manipal BioMachines, a synthetic biology research team from MIT Manipal, has been awarded the IGEN Impact Grant. Every year, 90 teams with potential projects that work towards building synthetic biology community are selected, enabling them to take it to the next level. Out of the 350+ participating teams, Team MIT_MAHE has received this prestigious grant total of \$2500.

For the project of 2022, they aimed to improve coastal aquaculture operations through a novel approach by targeting *Vibrio parahaemolyticus*. It is one of the most prevalent bacteria in fish spreading, the Vibriosis disease.



PARTICIPATED IN THE FORMULA STUDENT GERMANY 2022 AT HOCKENHEIM, GERMANY

Formula Manipal (Combustion) team participated in the event Formula Student Germany 2022 at Hockenheim, Germany from 15 to 22 August 2022.

Out of 26 teams participated in the combustion category of the event, team stood 19th in Overall, 6th in Business Plan Presentation, 17th in Cost Event, 22nd in Engineering Design. In the optional event, Siemens Digital Twin Engineering Excellence, team stood 6th position out of eleven teams participated.



Humility is not thinking less of yourself,
it's thinking of yourself less.



CRYPTONITE TEAM PARTICIPATED IN FIFTY-SEVEN INTERNATIONAL CTF EVENTS

Cryptonite team participated in fifty-seven international CTF events, during June 2021 - August 2022 and has achieved good rankings amongst the teams participated. The team hosted niteCTF - a 48hrs CTF competition during December 2021, which was rated 22.30 out of 25. Team member Mr Sohom Datta was rewarded 3133.70 USD for identifying an auth bypass vulnerability in Googles' Dart SDK as part of Googles' Vulnerability Rewards program. The Google Vulnerability Rewards program is a global initiative by Google to reward external contributors and security researchers that help in keeping their users safe.



DICV HACKATHON 2022

The team CodeStoppers comprising Shyam Sundar Bharathi S, CSE (team leader), Ajay Rajendra Kumar, CSE, George Paulson, ECE and Garvit Jain, Automobile secured second runner-up position (shared with a team from IIT Roorkee) and bagged a prize money of ₹1lakh in DICV Hackathon 2022. The team worked on the problem statement 'Data Collection, Mapping of Topography of Indian Roads' under the mentorship of Mrs Roopashree Shetty, Assistant Professor - Senior Scale, Department of Computer Science and Engineering.



ESAMUDAAY HACKATHON

1st place, with a prize money of ₹25,000 + Internship / placement won by: **Team Domin8**
Prathmesh Sinha-CCE 3rd year, Smeet Dedhia-DSE 3rd year, Brinda S-CCE 3rd year, Ansh Aryan-CCE 3rd year, Sandeep Rai-CCE 2nd year, Punith-CS AI&ML 2nd year

2nd place, with a prize money of ₹15,000 + Internship / placement won by: **Team Oblivion**
Vishal Karmakar-EIE 3rd year and Dishant Swain-EIE 3rd year

3rd place, with a prize money of ₹10,000 + Internship / placement won by: **Team Codex**
Sakshat Gandhi-IT 3rd Year, Shreyansh Rai-IT 3rd year, Chinmay Aggarwal-IT 3rd year, Anshika Goel-IT 3rd year, Sanket Kar-IT 3rd year, Ishika Pandey-IT 3rd year



SMART INDIA HACKATHON 2022 - SOFTWARE EDITION

A student team from MIT, became the Winner (Sharing) of the Smart India Hackathon 2022 Grand Finale. Out of 5 teams in grand finale, MIT student team won a trophy and Cash Prize of ₹1 Lakh (which will be shared with another winning team called KalaShakti from Gyan Ganga Institute, Jabalpur.)

The team was led by Arnav Agarwal, 'IPanda' chose the problem statement "Heritage and Culture". Winning team includes Ishita Saha, DSE, Nishant Dash, CSE, Swamiraju Satya Praveen Varma CSE, Aiswarya Anand CCE, Divyansh Kulshreshtha EEE, mentored by Dr Girija Attigeri ICT and Dr Niranjana U C, Manipal Dot Net, Manipal.



PARTICIPATED IN THE INDIA AUTOMATION GAMES 2020 ISA MPSTME, MUMBAI

ISA Manipal participated in the India automation games 2020 ISA MPSTME, Mumbai, on 17 and 18 August 2022.

One team with 3 members participated in the event, their names being Geda Siva Ram, Shivam Goyal, and Vaidya Ameya Devendra of the Department of Mechatronics.



FIRST CONSOLATION PRIZE IN “INTERCOLLEGIATE VARIETY ENTERTAINMENT”

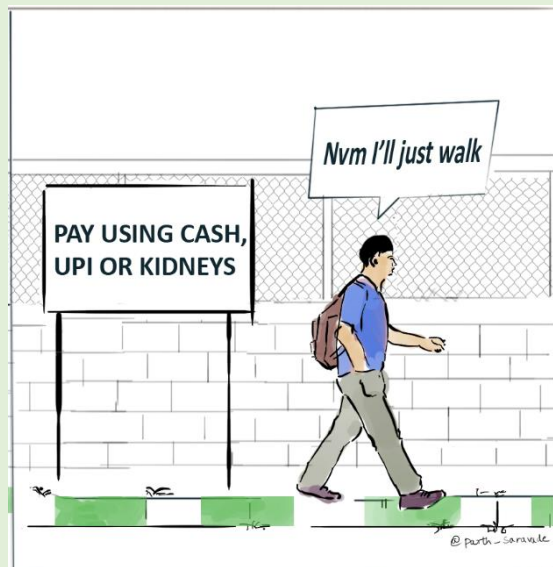
The team MIT has won the first consolation prize in “Intercollegiate Variety Entertainment” competition organized by Cultural Coordination Committee, MAHE as a part of Azadi Ka Amrit Mahotsav celebration held on 09 August 2022. Thirteen teams participated in the event. The first three prizes were won by Manipal Centre of Health Professions, Manipal College of Dental Sciences (Mangalore) and Manipal School of Life Sciences.



CARTOON BY:
DISHA GUPTA



CARTOON BY:
PARTH SARAVADE



STUDENT CORNER

Article by: Sagarika Seshagiti (CSE), Tanmay Goswami (Aero), Aprajita Singh (IT) and Diya Talwar (IT)



YOUR HOME, IN A SUITCASE

For most of us, the feeling of going to college for the first time is tumultuous. Everything is about to change and you have no idea what you'll find on the other side. One of the more daunting tasks you face is packing for college.

With a 32kg weight limit on flights, it becomes a bit more challenging. Whether it be clothes, educational resources, room accessories, or other miscellaneous possessions, it does well to bear in mind the humidity of Manipal, as well as the immediate requirements of the semester.



HOSTEL LIFE

MIT Hostels guarantee basic necessities such as cots, mattresses, chairs, study tables, 24-hour electricity, Wi-Fi, solar-heated water supply, water coolers on every floor, laundry service, and recreation rooms. Several options such as attached/common bathroom, AC/Non-AC room, and single/double/triple sharing rooms are available. Rooms are usually cleaned once in two days and any utility problem in the room is dealt with as soon as possible.

In case of any medical emergency, the caretaker will call for an ambulance to KMC. First-year students have 9:30 PM as their permitted time, except during university-organized events, during which the curfew is extended.

A complete list of the rules and regulations can be found here [Rules & Regulations \(manipal.edu\)](https://manipal.edu).



MARKS & EVALUATION

Subjects in the first year are common to all students, divided into physics and chemistry cycles, building on what is taught in the eleventh and twelfth grade. From the second year the subjects become branch specific. Students are offered a choice to switch branches based on the availability of seats in the department and CGPA.

MIT follows a continuous evaluation system, with internal assessments accounting for 50% of the grade for theory subjects. Lab evaluation differs depending on the course.



STUDENT LOANS & SCHOLARSHIPS

Vidya Lakshmi is an online government portal where aspiring students can view and apply for education loans. State Bank of India offers student loans for B-Tech students at MIT at an effective interest rate of 9% per annum, under category List A.

A student is eligible to avail only 1 scholarship, at any point in time. Official information regarding scholarships can be accessed here [Scholarships 2022 \(manipal.edu\)](https://manipal.edu).



FOOD COURTS

MIT provides a wide range of food options to its students, from air-conditioned food courts to messes closer to hostel blocks, serving anywhere between 2 to 4 meals a day. The dotfood app allows students to order food from messes and eateries on campus to any part of campus.



STUDENT BODIES

One of the distinct features of Manipal is its commitment to the all-round development of an individual-academically and beyond. The institution fosters a culture of participation in multiple student bodies to explore one's interests and aptitude.

The Student Organizations work in tandem with the administration on certain aspects; an array of Student Projects and Technical Clubs offer expert guidance and ideation on ongoing technological advancements. Cultural Clubs present a haven for kindling one's passion for non-technical pursuits, while the Sports teams develop an environment for refining one's game. Look out for their recruitments as and when they happen.



SPORTS CHAPTER

Plenty of provisions and sports grounds are scattered across campus to be the source of joy for any sports enthusiasts. Marena is a state-of-the-art air-conditioned sports complex with a fully equipped gym, squash, badminton, basketball, a jogging track, a swimming pool, a sauna, cricket nets with bowling machines, and various simulation games under its roof. Football, basketball, hockey, tennis and volleyball courts can be found on campus. The gym, swimming pool and indoor recreation centre are great options for those who can't go to Marena.



BUDDY LOVE

This programme helps a fresher adjust to the ways of life in Manipal as quickly as possible. The freshman registers as a buddy, gets matched with a senior student buddy according to shared interests, and can take their help whenever required. The buddy's job is to provide guidance and support, from soothing anxiety about academics at MIT to giving fast-food recommendations. The programme is entirely voluntary and spearheaded by the Student Council.



MENTAL HEALTH

The institute also has excellent facilities to cater to the mental health of students. The Student Support Team is an organization that works for preserving, educating and spreading awareness about mental well-being. An entire team of distinguished counsellors are present in the campus for the well-being and development of students in MIT.

ALUMNI MATTERS



Mr TARUN KATIYAR

Alumnus of MIT (1992, E&E), was recently promoted to CEO of Tata Power Trading Company Limited. He is a veteran in the utilities and power sector with over three decades of rich experience in the energy value chain. He has worked in the areas of strategy formulation, business development, and acquisition in the transmission and distribution sector, with a current focus on integrated energy solutions to customers aimed at decarbonization, digitization, and decentralization.



Mr SRIDHAR DEIVASIGAMANI

Founder & CEO of Intellihot Inc. Greater Chicago, an alumnus of MIT Maniplal (1995 Mechanical Engg.), for his venture, 'Intellihot,' has gained international recognition. By combining AI with leading-edge technology, Intellihot is poised to revolutionize the HVAC industry with hot water-as-a-service and change how water service is delivered.



Mr RAHUL SHUKLA

Alumnus of MIT (1995, Mech. Engg.), has been promoted to President and Chief Retail Officer at Jockey India.



Mr AMITABH MALHOTRA

Alumnus of MIT Maniplal (1986-90, Chemical Engineering), is the Head of Global Banking at HSBC and leads the Investment Banking and Equity Capital Markets (ECM) business. Earlier, Mr Malhotra worked at Rothschild India, where he was the co-head and managing director of the Global Investment Bank, based in Mumbai. He has also worked with KPMG, JP Morgan, and BZW.



Mr YASH DHOTE

Alumnus of MIT Maniplal (2019, Media Technology), has been awarded a scholarship from the Print and Graphic Scholarship Foundation and Printing United Alliance to continue his Master's degree at RIT, Rochester, USA.



Mr VARUN JAIN

Alumnus of MIT (2006, Mech. Engg.) is the Director of Career Wheels Pvt Ltd which won the First Prize in Technology Efficient Enterprise in the National MSME Awards 2022.



Mr MOHIT

CTO of Infinity Labs and an alumnus of MIT Maniplal (2014, M.Tech Computer Networking), has published a book, Cryptography, and Network Security.



If ignorance is bliss,
there should be more happy people.



MIT NEWS BITES

STUDENT MOBILITY

The DSCA proudly welcomed 24 B.Tech students (DSE) from the Manipal University Jaipur campus as a part of the mobility option under the Data Science Engineering course that began in 2020. This is the first batch of students who joined the course at three campuses where it is offered presently. The students participate in the regular theory and lab sessions with their DSE counterparts at MIT, Manipal.



VISIT BY Dr VINAY SAHASRABUDDHE

Dr Vinay Sahasrabuddhe, President of the Indian Council for Cultural Relations (ICCR), was on a two-day visit to MAHE, Manipal during 26 and 27 July, 2022. During his visit, he met the MAHE leadership team, delivered expert talks, and also planted a sapling in the campus.



VISIT BY TEAM NOVARTIS

Novartis team visited MIT on 25 August 2022 to discuss and explore the various areas of collaboration and research.



VISIT BY TCS TEAM

A team from TCS headed by Mr Chandra Koduru visited on 17 August 2022 and discussed the points related to CS iON, TCS' Co-Innovation Network (COIN), CSR opportunities. The team also recollected their early association with MIT when the institute was initiating the campus placement activity with Prof K J Kamath and lauded his efforts.



VISIT BY TEAM DEDALUS GLOBAL

Team Dedalus Global visited the institute on 26 August 2022 to explore the possibility of collaborative work in the area of Bioinformatics, AI, and ML.



STAMP EXHIBITION

Exhibition of stamps by Mr Laxminarayana, staff at ICAS, was organized as part of Azadi Ka Amrit Mahotsav celebrations



GUEST TALK AT BYNDOOR GOVERNMENT JUNIOR COLLEGE

Dr Balakrishna Maddodi, Assistant Professor - Selection Grade, delivered a talk on "Drug Abuse & Awareness" in an event organized by Byndoor Taluk Administration and Byndoor Government Junior College on 26 September 2022.



INVITED TALKS BY Dr DASHARATHRAJ K SHETTY

- Dr Shetty delivered an online-guest lecture at the seminar on "Statistical Analysis: A transition from hypothesis-driven approach to data-driven approach" at ICMR-National Institute of Medical Statistics, New Delhi on 29 June 2022.
- Dr Shetty was the Chief Guest at the workshop titled "Lure of the outdoors", organized by the Manipal College of Nursing Students on 10 September 2022.

SPECIAL LECTURE ON "IONIC LIQUID-ASSISTED PROCESSING OF MICROALGAE FOR BIODIESEL PRODUCTION"

Department of Biotechnology organized a special lecture on 'Ionic liquid-assisted processing of microalgae for biodiesel production' on 18 July 2022. Dr M P Rajesh, Professor of Chemical Engineering at SRM Institute of Science and Technology, Chennai, delivered the guest lecture for the enthusiastic audience involving faculty members, research scholars, and students.

SPECIAL LECTURE ON "IOT TECHNOLOGIES AND APPLICATIONS"

Mr Santosh Kulkarni Adjunct faculty, Department of Computer Science and Engineering, MIT, Manipal and Global Transformation Leader, Belron International delivered special lectures on 'IoT Technologies and Applications' and also on 'IoT Project Discussion' for the benefit of students at the Department of Computer Science and Engineering on 08 and 29 August 2022 respectively.

NEWSPAPER ARTICLE ON MICROPLASTIC POLLUTION

The national daily Times of India carried an article on the latest research work on microplastic pollution by Dr Anish Kumar Warriar, Associate Professor, Geology, MIT, students Mr Rizwan, MSc student, Mr Gokul Valsan, a research scholar and Dr Nelson Rangel-Buitrago, Faculty Basic Science, University of Atlantica, Colombia. The team studied microplastic pollution on St Mary's Island, Udupi.

TALK ON "STRATEGIES TO THRIVE IN BIOTECH INDUSTRY"

Ms Rhea Sharma, an alumna of the department delivered a talk on 'Strategies to thrive in Biotech Industry' at the Department of Biotechnology on 07 August 2022. Rhea who graduated from MIT Manipal in the year 2018 is currently pursuing her MS from Northeastern University, Boston.

She has received the College of Science Dean's Award after graduating with the Master of Science Biotechnology, Molecular Biotech track. She conceptualized an irradiation medical device that helps get best results during imaging and radiation therapy for breast cancer patients while serving as the Team Lead for an Experiential Network Project at LLC (USA).

TALK ON "DEVELOPMENT OF BIOMARKERS AND INVESTIGATION OF HOST IMMUNE RESPONSES IN TUBERCULOSIS"

Dr Vaishnavi Kaipilyawar, Department of Medicine, Public Health Research Institute, Case Western Reserve University, OH, USA; delivered a talk on "Development of biomarkers and investigation of host immune responses in Tuberculosis" on 23 August at Department of Biotechnology.

The talk highlighted the findings of the study which developed diagnostic and predictive biomarkers for intended use among TB high-risk groups, using computational tools and the NanoString platform. The speaker outlined the details on her research in field that enables the development and clinical translation of candidate host biomarkers to screen and stratify individuals by TB risk, identify novel correlates of protection against Mycobacterium tuberculosis (MTB) infection and provide new strategies that can predict and/or mitigate MTB transmission.

TALK ON "NON-RESEARCH-BASED CAREERS AFTER A GRAD PROGRAM ABROAD"

Mr Arun Somasundaram, alumna of MIT Manipal who graduated in the year 2020 delivered a lecture on 'Non-research based careers after a grad program abroad' at Department of Biotechnology on 30 August 2022. Mr Arun is pursuing Master of Engineering and Management (MEM) at Dartmouth. He is also the Product Manager at Flourish through Dartmouth on-campus start-up incubator and works as Management Consulting intern at Clarion.

SPECIAL LECTURE ON "IOT USING LIGHTING"

Mr Sanjeev P S and Mr Sanjay Bhat from Signify Innovations Lab, Bengaluru delivered a special lecture on 'IoT using Lighting' for the benefit of students at the Department of Computer Science and Engineering on 06 August 2022. Both the resource persons are the alumni of MIT who graduated in the year 2002.



DIGITAL MELA EVENT BY GOVERNMENT OF INDIA

Digital Mela was held in New Delhi, from 01 to 03 July 2022. Dr Narendra V G, Associate Professor - Senior Scale, and Mr Ashwath Rao Assistant Professor - Selection Grade, Department of Computer Science and Engineering, participated in the event. They showcased the Natural Language Processing related project held at the institute. The event commemorated the path-breaking journey of the flagship initiative of the Digital India Programme. The event came in the backdrop of India emerging as the 3rd largest ecosystem for startups globally.

VISIT BY ALUMNI

Mr HARSH KUMAR

Alumnus of 1996 batch Mechanical Engineering visited MIT Manipal, recently. Presently he is the Partner, Technology Consulting, Ernst & Young LLP in digital and emerging technologies with a particular focus on strategic accounts and initiatives. Prior to this at IBM, he led a portfolio of complex engagements in sales and delivery across private and public sectors in industrial, distribution, and infrastructure verticals and, in the process, inorganically doubled the business over five years and quadrupled the pipeline across Asia-Pacific and European geographies.

Mr GAURAV AGARWAL

Alumnus of 1996 batch Biomedical Engineering was in MIT recently. He is now, the MD of IITPL (Innovation Imaging Technologies Pvt Ltd), which develops Worldclass medical devices/equipment.

INFOSYS SPRINGBOARD WEBINAR

Infosys Springboard Webinar was organized by Department of Computer Science and Engineering on 07 July 2022. It is an initiative of Campus Connect activities through Infosys Springboard. The virtual session for the students was conducted to create awareness about the internships at Infosys and also demonstrated the Infosys Springboard platform and apprised on the various Campus Connect interventions for a strong Industry-academia collaboration.

Mr KRISHNA RAJ

Alumnus of 1996 batch Industrial Production visited MIT. Presently, he is the Co-Founder of LogisEye - A verticle Saas company in Logistics Tech - Developing and executing Playbook for Growth, Customer acquisition, Revenue, Global Partnerships. Part of executive management develop Strategy, look for growth avenues, advice for timely pivoting. Frequent speaker, resource person for Big 4 consulting firms, mentor start-ups on GTM and Strategy, keen observer of impact of Technology on supply chain and education sectors.

In the photo below, Mr Harsh Kumar (Left), Mr Gaurav Agarwal (Center) and Mr Krishna Raj (Right) can be seen along with D Somashekara Bhat, Joint Director, MIT.



APPRECIATION OF SERVICE

MIT, Manipal recognizes the immense contribution of the following personalities who recently superannuated from service



Mr B SHEKHARA

Senior House Keeping Staff
Department Electrical & Electronics Engineering

Date of Joining: 01-11-1990
Date of Superannuation: 31-07-2022



Mr DINESH D KOTIAN

Senior Clerk
Department of Planning and Construction

Date of Joining: 09-11-1987
Date of Superannuation: 31-07-2022



Mr ANANDA PUTHRAN

Senior Security Guard
Department of Security

Date of Joining: 18-11-1997
Date of Relive: 31-07-2022



Ms GULABI POOJARTHY

Senior House Keeping Staff
Department of Security

Date of Joining: 09-06-1997
Date of Superannuation: 31-08-2022



VISION

Excellence in Technical Education through Innovation and Teamwork.

MISSION

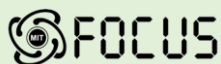
Educate students professionally to face societal challenges by providing a healthy learning environment grounded well in the principles of engineering, promoting creativity, and nurturing teamwork.

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.



MIT NEWSLETTER | SEPTEMBER 2022 EDITION

PUBLISHED BY

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