



# M.I.E.T. ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai  
Accredited by NBA (CSE, EEE & MECH), Accredited with 'A+' grade by NAAC  
(An ISO 9001:2015 Certified Institution)  
(Recognized by UGC under section 2(f) & 12(B) of UGC Act, 1956)  
Trichy – Pudukkottai Road, Tiruchirappalli – 620 007, Phone:0431-2660 303  
Website:www.miet.edu, E-mail:principalengg@miet.edu,contact@miet.edu



## ANNUAL DAY REPORT FOR THE ACADEMIC YEAR 2023-20234

### College Report

M.I.E.T. Engineering College was established in the year 1998. The college has been maintaining high standards of technical teaching since the last 25 years and today it offers 8 Under Graduate programmes and 6 post Graduate programmes with student strength of 1584 and 114 Teaching faculty and 60 supporting Staff. The college is accredited by NAAC with a grade of A+(3.33/4). The UG programmes offered by the Department of Mechanical Engineering, Computer Science Engineering, Electrical & Electronics Engineering is accredited by NBA. Recently Civil Engineering department is accredited by NBA for 3 years from the forthcoming Academic year.

The Department of Mechanical Engineering and Electrical & Electronics Engineering are recognized as Research Centre by Anna University Chennai. Our college is also certified by ISO 9001:2008.

We're eagerly awaiting to implement the Autonomous status of MIET Engineering College from the next academic year 2024-2025. This status is a big development, because it means we'll have more control over our curriculum and assessment methods. It'll help us make sure our programs are up-to-date and prepare our students for success in their careers. Throughout the academic year, we have organized various activities, both technical events like guest lectures and workshops and non-technical activities to encourage staff and students to exhibit their talents. Our students have excelled in various academic and extracurricular activities like internships, symposiums, conferences, cultural events, sports competitions, and community services, showcasing their diverse talents and skills.

### Remarkable achievements of the institution in academic year 2023-2024

M.I.E.T. Engineering College has received the prestigious approval from the All India Council for Technical Education (AICTE) to establish the AICTE-IDEA Lab, with a generous budget of 110 Lakhs. We're the first institute in our region, covering a bunch of districts in central Tamil Nadu, to get this approval. Out of all the engineering colleges in Tamil Nadu, we're among the select 25 to receive this honor. Nationally, we're one of only 150 colleges to have an AICTE Idea Lab.

  
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Another remarkable achievement for our institution is the “Ministry of Micro, Small & Medium Enterprises (MSME)” has officially approved the establishment of an incubation center right here at MIET Engineering College. This endorsement underscores our institution's commitment to nurture innovation and foster entrepreneurial talent. With the MSME's support, our incubation center will serve as a launchpad for aspiring entrepreneurs, providing them with the necessary resources, mentorship, and infrastructure to turn their ideas into successful ventures.

M. Subitha, a final year student of Computer Science and Engineering, has achieved something incredible. Her project proposal was selected by the Ministry of Micro, Small & Medium Enterprises (MSME) through the WOMEN HACKATHON 3.0, and she's been awarded Rs. 11 lakhs to establish her startup @MIET. Her success is truly inspiring, and it shows the importance of encouraging innovation and entrepreneurship among our students. M. Subitha's achievement is a shining example for all aspiring women entrepreneurs. In this academic year NCC Navy Unit has been established at our institution in addition to the already existing NCC Army unit.

During the academic year the IE(I)-Institution of Engineers Kolkata recognized our college with Commendable Performance Award.

### **Annual Report for the ECE department for academic year 2023-24**

During this academic year, 15 ECE department students were participated in the symposiums organized by various colleges, with 5 winning first prizes and 4 securing second prizes. Six final year students had the privilege to attend the INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION ENGINEERING (ICICE'23), and their papers are published in indexed journals. Additionally, 27 students participated in national and international conferences, showcasing their scholarly pursuits. The department organized International guest lecture titled “Essential Engineering Skills and Strategies for Aspiring Engineers” by Mr. Raju Jayaraman, an Electrical System/Project Engineer from E-Tech Yachting, Spain. Sriganth S, a third-year student, secured an impressive Gate score. Furthermore, 11 students of ECE department had participated in internships and gained valuable real-world experience.

The ECE faculty members has published One paper in a journal, and filed one patent.15 faculty members actively participated in Faculty Development Programs (FDPs) and workshops. Dr. S.Archana secured Silver in the NPTEL exam with a Top 5% Score (83%), and she also actively presented the paper in International conference conducted by IIT Delhi. Moreover, several of our ECE faculty members, namely Ms. P. Delphine Mary, Mrs. K. Nandhitha, Mrs. S. Chinthanai Selvi, and Dr. A. Suresh Kumar, has attended and presented their papers at various international conferences, showcasing the department's expertise in diverse fields.

The ECE department Students visited the Radio Astronomy Centre, NCRA – TIFR, Udhagamandalam (Ooty), and Kerala Electrical & Allied Engineering Co. Ltd., Mamala, Kochi, Kerala, during this academic year 2023-2024. These achievements are a testament to the dedication and hard work of our students and faculty members in the Electronics and Communication Engineering (ECE) Department.

### **Annual Report for the Civil Engineering department for academic year 2023-24**

45 civil Engineering students were actively participated in external symposiums and excelled with 6 second prizes, by demonstrating their academic caliber. Moreover, our civil department students made significant contributions to national and international conferences. A total of 15 students, including 11 postgraduates and 4 undergraduates, presented their research findings in various conferences, showcasing the department's intellectual vibrancy. Notable among these are 2 undergraduate students at NIT, Calicut, and another 2 at NIT, Surathkal. Furthermore, 4 postgraduate students had their conference papers published in Scopus Indexed Journals, highlighting their research excellence. The internship participation of civil students seems a remarkable turnout of 57 students, with 50 undergraduates and 7 postgraduates gaining practical experience in various civil engineering domains.

The faculty members have contributed to innovative research by 4 papers published in journals and 2 Patents. Our faculty members of the department presented a total of 10 papers at various conferences, further solidifying the department's academic standing. They also actively participated in 10 faculty development programs and workshops, with 4 engaging in online sessions, 5 in offline sessions, and one workshop conducted under their guidance. Additionally, Mr. Arun Sahayaraj undertook 4 consulting works, generating revenue of Rs.1,10,000/-. Dr. P. V. Premalatha, Head of the Department of Civil Engineering, served as the Chairperson at the International Symposium on Geotechnical Aspects of Heritage Structures (ISGHS) at NIT, Trichy, showcasing the department's expertise on a global platform. The students embarked on a transformative industrial visit to the Solid Waste Management Center, Gasifier Crematorium which is under Construction, and Miyawaki forest at Thiruverumbur, Trichy, gaining practical insights into Civil Engineering practices.

### **Annual Report for the Mechanical department for academic year 2023-24**

The Mechanical Engineering department showcasing their academic enthusiasm by the participation of 112 students in various symposiums. Among them, 24 students clinched first prizes, while 14 secured second prizes, reflecting their dedication and talent. One of the standout accomplishments in symposium was the Mechanical students received the Overall Champion award at MAM College of Engineering and Technology. This is a testament to our students' excellence and teamwork, highlighting their dedication and prowess in their field. Moreover, 38 mechanical students actively participated in national and international conferences, broadening their horizons and contributing to the academic discourse. Their commitment to learning was

evident through their participation in NPTEL Courses. Notably, four students successfully completed the courses, with two achieving Elite+ Silver Certificates. Congratulations to H. Ashik Elahi and A. Nagendran for their outstanding performance in NPTEL Exams. Additionally, 72 Mechanical Engineering students participated in internships, gaining invaluable practical experience in their respective fields.

On the Mechanical faculty members front, two papers were published in journals, and three patents were published, showcasing their commitment to research and innovation. Furthermore, our faculty members presented eight papers at conferences, contributing to the advancement of knowledge in their respective fields. They actively participated in Faculty Development Programs (FDPs) and workshops, with 21 members enhancing their professional skills and knowledge. In a notable achievement, three faculty members completed NPTEL Courses, with Mr. C. Manikandan achieving an Elite+ Silver Certificate for his exceptional performance, scoring 80%. Our IV-year Mechanical students visited Sea Blue Shipyard, Kochi, Kerala, while our III-year Mechanical students had an insightful trip to ISRO Satellite Centre, Bangalore for further enhancement of their understanding the real-world applications.

### **Annual Report for the EEE department for academic year 2023-24**

A total of 163 EEE students actively participated in various college symposiums with 5 first prizes and 4 second prizes, showcasing their enthusiasm for academic engagement. Mohammed Irfan .S and Sivashankar.K secured the First Prize at K.Ramakrishnan College of Engineering, Trichy, while Kesavan B, Abishegan .D, and Gulzar Ahmed achieved First Prize at Alagappa Chettiyar Government College of Engineering & Technology, Karaikudi. In this academic year, six EEE students attempted the GATE exam, V.Varshini and Vigneshwaran.M of Final year EEE was qualified in gate exam with valid gate score.. Moreover, 15 EEE students were selected for the Intra Institutional Challenge Hackathon. A student of second year PG, Arockiaraj has participated in international conference and presented the paper. The EEE students' dedication to academic pursuits remains commendable. Ten students participated in internships, gaining valuable realworld experience in their respective fields.

Our EEE faculty members contributed significantly to research with two papers published in refereed journals and two papers were presented at international conferences. They also participated in various professional development activities, including 17 FDPs, 1 online workshop, and 10 offline workshops in order to enhance their skills and knowledge. In NPTEL Exams Mr.S. Pandiarajan, Assistant Professor, secured Elite with Silver, while Dr. V. Sivakami, Associate Professor, and Mrs. B. Muthuselvi, Assistant Professor, achieved Elite status. Our EEE students had enriching experiences during industrial visits to various industries, including Kerala Electrical & Allied Engineering Co. Ltd., Powerplant in Wonderla Kochi, United Electrical Industries Limited in Kollam, All India Radio in Ooty and Kodaikanal Solar Observatory, Indian Institute of Astrophysics, Kodaikanal, spanning over 6 days.

## **Annual Report for the Computer Science & Engineering department for academic year 2023-24**

In this year 50 CSE students participated in various symposiums. Among them, our CSE students clinched 4 first prizes and 4 second prizes, showcasing their exceptional talents and abilities. Furthermore, 52 of our students actively participated in both national and international conferences, demonstrating their commitment to academic excellence and global engagement. We take pride in highlighting the special achievements of some of our students. M. Subitha developed a software app for smart functioning of public distribution systems using Android, while A. Mohamed Sami participated in a Project Expo, representing our institution with distinction. Additionally, 13 students undertook internships, gaining invaluable practical experience in their respective fields.

15 CSE faculty members participated in various Faculty Development Programs (FDPs) and workshops, enriching their knowledge and skills. Mrs.K.Dasarathi Shohi, Mrs. M.Bharathi and Mrs.A.Getsyal also participated in FDPs focusing on E-Content Development and Python conducted by reputed organizations. Moreover, our faculty members actively participated in sessions on cutting-edge topics such as Cloud Computing, Artificial Intelligence, and Machine Learning, further enhancing their expertise. In addition to academic pursuits, our students had the opportunity to embark on industrial visits to gain practical insights into real-world operations. Three significant visits included Sea-Blue Shipyard (Cochin), Spectrum Softech Solutions Pvt. Ltd. (Kochi), and the Kodaikanal Solar Observatory.

## **Annual Report for the IT and AI&DS Department for academic year 2023-24**

In the academic year 2023-24, the IT and AI&DS department achieved significant milestones and accomplishments, showcasing its commitment to excellence and innovation. The department saw active participation in various symposiums, with 30 students showcasing their talents and representing the department with pride. Their efforts were rewarded with four first prizes and three second prizes in different symposiums, highlighting the students' dedication and proficiency.

Faculty members made notable contributions to academic discourse by publishing nine papers in conferences, contributing to the advancement of knowledge in their respective fields. Additionally, six faculty members actively engaged in Faculty Development Programs (FDPs) and workshops, enhancing their teaching skills and staying abreast of the latest developments in technology and academia. A special recognition was conferred upon Mrs. A. Barveen, Assistant Professor in IT, who received the Active SPOC (Single Point of Contact) and Mentor certificates in NPTEL. This acknowledgment reflects her commitment to academic excellence and mentorship within the department. As part of experiential learning, second-year IT and AI&DS students visited the Kodaikanal Solar Observatory, Indian Institute of Astrophysics. This industrial visit provided students with insights into astrophysical research and solar observation techniques, enriching their understanding of real-world applications in their field of study.



Overall, the academic year 2023-24 was marked by achievements, growth, and dedication within the IT and AI&DS department, setting a strong foundation for continued success in the years to come.

### **Annual Report for the BME department for academic year 2023-24**

Throughout the academic year 2023-24, the Department of Biomedical Engineering demonstrated its dedication to academic excellence and research advancement. The department witnessed active participation from four students in various symposiums, where they showcased their expertise and represented the department with distinction. Faculty members made significant contributions to academic research by publishing two papers in esteemed journals, contributing valuable insights to the field of biomedical engineering. Moreover, the department's faculty members further enriched the academic discourse by presenting seven papers at conferences, highlighting their expertise and commitment to scholarly endeavors.

Six faculty members actively engaged in Faculty Development Programs (FDPs) and workshops, enhancing their professional skills and staying updated with the latest developments in biomedical engineering education and research. Dr. S. Saju presented papers at two international conferences, focusing on optimized security measures and healthcare improvement through analytics and enhanced security. Additionally, Mrs. B.T. Kirthika and Mrs. P. Gayathri presented research on energy-efficient clustering algorithms at an international conference, while Mrs. J. Nirmala and Mrs. P. Gayathri discussed smart drowsiness detection systems at another international conference. As part of experiential learning, 13 students from the department visited the Radio Astronomy Centre, NCRA – TIFR, in Udhagamandalam (Ooty).

### **Report of MBA department**

29 MBA students participated in a symposium hosted by various colleges. The students excelled by securing two second prizes. Mr. Jothimani & Mr. Roshan Ali clinched second place in "Cash Management" at Jamal Mohamad College, while Ms. Sowmiya & Ms. Tharaniya achieved the same feat in the "Business Quiz" at Periyar Maniammai College, Thanjavur. The second year MBA students emerged as Overall Champions at the symposium organized by OASYS Institute of Technology. Additionally, students showcased their academic prowess by participating in national and international conferences. Five students attended an International Conference at Jamal Mohamad College, while ten students engaged in a National Level Conference hosted by GNANAM School of Business, Thanjavur. Moreover, 58 students are gearing up to participate in internships across different Industries, enhancing their practical knowledge.

Faculty members contributed significantly to academic discourse by publishing six papers in conferences. Furthermore, five faculty members actively participated in Faculty Development Programs (FDPs) and workshops. Dr. R. Antony Prakash attained certification in

NPTEL- Retail Marketing. To enrich their understanding of industry practices, second year MBA students embarked on industrial visits to Anna Aluminium Co Pvt. Ltd in Aluva, Kerala, and Kannadevan Tea Factory in Munnar, Kerala. These visits provided invaluable insights into real-world operations.

### **Annual Report for the S&H department for academic year 2023-24**

In the academic year 2023-24, the Science and Humanities Department demonstrated vibrant engagement and notable achievements. A total of 18 students actively participated in symposiums, showcasing their talents and academic prowess in diverse disciplines. Faculty members made significant scholarly contributions by publishing four papers, thereby enriching the academic output of the department. Moreover, six faculty members participated in various workshops and Faculty Development Programs (FDPs). Furthermore, the department was well-represented at conferences, where 2 faculty members participated in such events. Overall, the academic year 2023-24 showcased the department's commitment to academic excellence, student engagement, and faculty development in the realms of science and humanities.

### **Technical Events Organized**

Technical events including 18 guest lectures, 9 workshops have been organized in various departments with a vision of exposing the students to the latest developments in technologies and enhance their professional skills.

### **Value added courses**

The Value-Added Courses are organized with an aim to improve the employability skills of the students and provide additional learner centric graded skills. In this academic year 14 value added courses have been offered by all departments for the benefit of students in their respective field area. About 849 students have benefitted from the various courses.

### **NPTEL**

Our college is a Local Chapter for NPTEL, coordinated by IIT Madras since May 2017. In this academic year, our college was awarded as “active NPTEL local chapter”. Overall our students and faculty members have made 771 enrollments for various courses through NPTEL platform.

### **Training and Placement**

The Training and Placement Cell aims to equip the students to face the challenges in career opportunities in the corporate world there by preparing them to acquire a successful

professional career. Our students have been placed in reputed companies. So far, the students have received 437 offers with the median salary of Rs.5.25 lakhs per annum. To name a few recruiters are India Japan Lighting Pvt.Ltd, Chennai , Foxconn Technology, Chennai, L.G Balakrishnan & Bros Pvt.Ltd. Coimbatore, Wipro Infrastructure Engg. Pvt.Ltd., Sriperumpudur, Industrial Rubber Company, Techvolt Software Pvt.Ltd. Coimbatore, Velmurugan Industry Pvt.Ltd, SS Groups , KPM Topomappers, Cistron Steel Technologies Pvt. Ltd, Sakthi Auto Components Pvt.Ltd.

### **MoU signed**

MoUs have been signed with leading industries and institutes with an aim to guide our students for job placement and higher education. This year, we have signed MoU with Blastect Engineering Service & Technology, NHAI, Ashok Leyland Limited, Lift India, IPCS Global Solutions, BSNL, Tiruchirappalli and Synergy School of Business skills.

### **NSS and NCC**

The volunteers of NSS have organized 32 camps in and around the villages of Trichy and includes Eye camp, Blood donation camp, Computer awareness camp, Swachh Bharat, AIDS and Gender awareness, etc. A. Naveen Prasanth of IIIrd year ECE, has represented our College in Republic Day celebration conducted in New Delhi. An NCC CAMP was conducted in our campus and students from various NCC Battalions have attended the camp.

### **Other Activities**

M.I.E.T Engineering college regularly celebrates days of national and international importance. In this academic year, we have celebrated 76 th Independence day, Republic day, Teachers day, Yoga Day and Womens Day. We also celebrate religious festivals like Ayudha Pooja and Iftar functions.

26<sup>th</sup> Annual sports day was conducted on 29-04-2024 in a grand and successful manner.

  
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