M.I.E.T. ENGINEERING COLLEGE
ANNUAL REPORT FOR THE ACADEMIC YEAR 2022-2023

ANNUAL REPORT

MIET Engineering College, since its commencement in the year 1998, is striving for 25 years and still counting in providing high standard of technical teaching. Today, MIET stands tall by offering 8 Under Graduate programmes and 6 post Graduate programmes with student strength of 1481, 111 Teaching faculty members and 60 supporting Staff members. From the academic year 2023-2024 AICTE has approved to start UG & PG part time for working professionals.

Due to continuous hard work of the faculty and students, Now MIET is elevated to autonomous status and recently we have the received the conferment for 10 years from University Grants Commission (UGC), New Delhi duly by the recommendation of Anna University, Chennai.

M.I.E.T. Engineering College houses active NSS, NCC (Army Wing & NAVAL Wing) and YRC units. All our classrooms are well-equipped with ICT facilities and ours is a Wi-Fi enabled campus with a Bandwidth of 300 Mbps. In order to achieve accelerated progress in various academic & research activities, the Institution has collaborated with various Industries.

MoU's have been signed with Lift India, Synergy school of business skills-Trichy, IT Expert Training, Chennai, Lift India, Ashok Layland limited-Hosur, iNeuron Intelligence Pvt. Ltd, National Highway Authority of India, Kothari Sugars and Chemicals LTD,

K.V.M Industries, CADD centre training services, Chennai, Siemens NITT, Synergy school of business skills, M/s.Pantech ProEd Pvt. Ltd., Sigma Pi Power Sources Limited, Chenna, Electro solar Solutions, Sri Chellam Enterprises, BSNL, Trichy, CADD centre, Trichy, Ozone-cyber-security, Bharakath Metal Builders, MK Tech, LIVEWIRE Training service centre, KG Lakshmi Parts and Co. Blastect Engineering Services and technology and IPCS Global Solutions

RESEARCH AND DEVELOPMENT ACTIVITIES

The college has intensified its commitment to research and consultancy alongside teaching, aiming to unlock the untapped potential of its faculty members. We've established eight dedicated research laboratories across all departments, and we currently have 13 supervisors recognized by Anna University. Presently, 35% of our faculty holds doctoral degrees, with four members earning their Ph.D.s in the 2022-2023 academic year, while 18 others are pursuing their doctoral programs.

Our faculty members research endeavors have resulted in the publication of 30 papers in internationally recognized journals listed in SCI, Scopus and UGC indices. Additionally, they have presented 23 papers at both national and international conferences. We have submitted around 17 funding proposals to various agencies, including AICTE, CSIR, TNSCST, SERB,

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DST and DRDO leading to the sanctioning of 3 proposals. Moreover, our faculty members have filed 4 patents, showcasing our commitment to innovative research.

These accomplishments illustrate the college's dedication to fostering a robust research environment. However, to further advance these efforts, we aim to encourage collaboration among Industries, facilitate multidisciplinary research projects, engage students in research initiatives and offer recognition and incentives for outstanding research contributions. We will continue to evaluate and refine our strategies to ensure sustained growth and excellence in research activities across the college.

- R&D cell organized Invited Talk on "Nuclear Energy and Human Welfare".
- R&D cell inaugurated "Researchers Forum" in our college.
- Faculty members have published 2 books/ 7 book chapters during academic year 2022-2023.
- Our faculty members have published 4 patents.
- 23 project proposals were submitted for various funding agencies.
- Totally ₹22,500 fund received from Tamil Nadu State Council for Science and Technology.
- Department of Mechanical engineering and ECE started IEI student chapter, Department of Civil engineering started IGS student chapter during academic year 2022-2023.
- Our institution becomes MSME approved incubation centre for entrepreneur start up.

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

- During the academic year 2022-2023, the following Faculty Development programs are organized.
- Communication Skills from 22.08.2022 to 24.08.2022
- Personality Development from 12.09.2022 to 14.09.2022.
- Life Skill Development from 26.10.2022 to 28.10.2022.
- Art of Research Writing from 01.11.2022 to 03.11.2022.
- Awareness of NAAC Accreditation from 10.11.2022 to 12.11.2022.
- Soft Skills from 19.12.2022 to 21.12.2022.
- MS-Excel from 04.01.2023 to 06.01.2023.
- MS Word from 23.01.2023 to 25.01.2023.
- Green and Sustainable Energy Development from 08.02.2023 to 10.02.2023.
- Wireless Communication from 23.02.2023 to 25.02.2023.
- Art of Business Writing from 13.03.2023 to 15.03.2023.
- Process of NBA Accreditation from 22.03.2023 to 24.03.2023.
- Entrepreneurship from 06.04.2023 to 08.04.2023.
- Ground Water Improvement Techniques from 15.05.2023 to 17.05.2023.

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- Introduction Programme for Basic Python from 24.06.2022 to 26.06.2022.
- Application of Data Science Using Python from 27.06.2023 to 29.06.2023.

STUDENT TRAINING PROGRAMMER ORGANIZED

During the academic year 2022-2023 the following student training programs are organized.

GUEST LECTURE ORGANIZED

- Recent trends in computing techniques on 27.11.2023
- Mukkombu barrage collapse across the kollidam river – cause and reestablishment on 03.08.2023
- Applications of data science in electrical engineering on 07.10.2022.
- Emerging trends in HR & Marketing on 09.10.2023.
- Recent trends in 5G mobile communication on 24.08.2023.
- Fundamentals of fluid mechanics and its applications on 06.12.2023.
- Substation automation on 29.09.2022.
- Nuclear energy and human welfare on 20.07.2023.
- Research avenue in additive manufacturing on 29.08.2023.
- Image processing fundamentals to system implementation on 01.03.2023.

WORKSHOP ORGANIZED

- Applications of IoT in Electrical engineering on 10.10.2022- 12.10.2022.
- Renovation- techno solution for buildings on 17.08.2023.
- Applications of IoT in Electrical engineering on 27.10.2022- 29.10.2022.
- PLC automation on 07.09.2023 & 09.09.2023.
- Opportunities and utilization of IEI students membership on 09.08.2023.
- Applications of IoT in Electrical engineering on 31.10.2022- 02.11.2022.

SEMINAR ORGANIZED

- Applications of data science using python on 18.11.2022.
- Electrical autocad" for the Electrical engineering students on 29.08.2023.
- Advanced python programming on 21.11.2022.
- Fundamentals of surface emg and its applications in health on 02.11.2023.
- Data mining and its application on 27.09.2023.

LIBRARY

Library is the life blood of an academic institution and a fully automated modern Library and an outstanding learning resource centre catering the ever growing and uncompromising information and intellectual requirements of the students, the faculties and researchers. Total value of the books available in the library, as on today is Rs.150 lakhs and every academic year 6 lakhs rupees is being spent towards strengthening the resources and facilities of the

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library. MIET library has subscribed 470 Springer E-journal for the value of around Rs.2.5 lakhs during the academic year 2022-23.

The detailed NPTEL course materials can be accessed from our intranet web server. Our library has an official membership with DELNET and National Digital Library. Web OPAC (Online Public Access Catalogue) facility for availing the services of the library from anywhere at any time is also available.

- The library has a total collection of more than 48,964 volumes of books with 18182 titles relating to various engineering disciplines and Science & Humanities.
- The books are classified according to DDC scheme of library classification 21st edition.
- Most of the library activities are computerized using NIRMALS ~ an integrated library software package with Barcode Technology.
- M.I.E.T. Engineering College library has subscribed 461 Springer E-journal for the value of around Rs.2.94 lakhs in the last academic year.
- The detailed NPTEL course materials can be accessed from the intranet web server. Our library has an official membership with DELNET, IET and National Digital Library.
- The web OPAC Digital Catalogue is available in the Institute LAN and also in the college website to access the books and journal articles.

TRAINING AND PLACEMENT RECORD

The Training and Placement Cell is an integral part of the MIET Institution. The primary objective of the cell is to train the students to get placed in reputed companies with excellent pay. The Cell provide activities like HR Conclave, Guest Lectures by experts, CareerGuidance and Higher Studies, Personality Development Classes, Training for Aptitude Tests, Mock Tests and Interviews, Training on Technical Skills. The Training and Placement Cell aims to expose students to the corporate world by providing insight to their future professional careers.

- 351 Students were placed in reputed Multinational companies from the class of 2022.Our proud recruiters are The India Cements, Centizen, Green Catalysator, Fern Software, Beta Monks Technologies, Foxconn, ARS Steels &Alloys International Pvt.Ltd, Sakthi Auto Components Ltd., Industrial Rubber Company, India Japan Lighting Pvt.Ltd., Abirami Engineering Works, JSE Engineering Pvt.Ltd., Gislen Software, Acoustics India, Sparrow Rebar Service, Pegatron Technology India Pvt.Ltd, Zoho, Adela Software Services etc. The highest package salary is Rs.7,20,000/year.

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