



# M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)

TRICHY - PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI - 620 007.

Email: principalengg@miet.edu, contact@miet.edu

Website: - www.miet.edu

Ph: 0431 - 2660 303

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

### ANNUAL REPORT

#### ACADEMIC YEAR 2018-2019

Internal Quality Assurance Cell (IQAC) Committee Meeting was held in the ODD Semester and the EVEN semester for the academic year 2018-2019

Odd Semester Meeting Dated 19.06.2018

Even Semester Meeting Dated 11.12.2018

The regular academic and administrative audit was conducted for the Odd and Even Semester of the academic year 2018-2019.

The following is the summary of various activities planned and executed on the academic year.

#### **New Initiatives**

- To bridge the skill gap, the Institute has offered various Value Added Courses which are floated throughout the year.
- Some of the prominent courses are CNC inverter HSM pro, Non Destructive Testing, AutoCAD, STADD Pro, Mobile App Development using Android, Ethical Hacking, Power System Planning and Reliability, Arduino, Raspberry pi, MATLAB Simulink and VLSI Design Using Mentor graphics.
- To transform traditional classroom into digital and e-learning space, smart interactive whiteboard classrooms have been set up in all the departments.
- MOUs have been signed with Kothari sugars, BSNL, Ozone Cyber Security, CADD Centre, High Energy Batteries Private Limited, Vasantha Advanced System and Space designers and constructions.
- To enhance national level visibility and publicity as well as to promote the professional activities among the students, faculty membership, institutional membership and student chapters of reputed professional societies like Institution of Electronics and Telecommunication Engineers (IETE), Computer Society of India (CSI), Society of Automotive Engineers (SAE) and ICT Academy are being processed.

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- First-ever International Seminar on “Drive the Future with Biosensor & Bio Electronics” was organized by ECE and EEE departments on 08/03/2019. Prof. Y. TAKEMURA from Yokohama National University, Japan and Dr. S. OTA, Shizuoka University, Japan served as resource persons for this seminar.
- To keep pace with the increasing demand of infrastructure and facilities, D block exclusively for mechanical department has been completed.
- Seminar hall in B block was modernized with the capacity of 150 seats, fully air-conditioned and equipped with audio visual and multimedia technology.
- Fully equipped new research lab has been established for EEE department to providing extensive opportunities for staff and students to pursue research and development activities.
- Wi-Fi facility has been introduced in entire campus.
- NBA- Accreditation is essential for an Engineering Institute to be identified as an institute conforming to the Global standards of technical training.
- We are in the process of NBA, uploaded Self Assessment Report in the month of January and expecting the commission in the month of July.

### Student's Contribution

- Two of our final year students' projects, received a grant of Rs 7,500 through Tamilnadu State Council for Science and Technology (TNSCST) – Students project scheme for the academic year 2018-2019.
- In the academic year 2018-2019, the symposium for the entire department was conducted on 23<sup>th</sup> of February 2019.
- Dr.V.Ramachandran, General Manager, Kothari Sugars & Chemical was the guest of honor and around 300 students from more than 50 colleges were participated in this event.
- Free Open Source Software courses from IIT Bombay, Spoken Tutorial have been conducted for the students with the intention of enhancing their IT Skill.

  
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- Last academic year 14 courses BOSS Linux, C, C++ JOOMLA, Java, PHP and MYSQL, Blender Arduino, Linux AWK, QCAD, Scilab, Python and Latex have been taken by our students. Around 450 students have attended the online test and acquired e-certificate.
- Our students regularly participate in all possible events conducted by various industries and institutions, and ensure that they almost win cash awards and prizes in all the events they had participated.
- More than 400 students had undergone In-Plant training and internship in various companies located in and around Tamilnadu during the academic year 2018-19.
- B.Abdul Aziez, R.M.Anumantha Arasan Govan, M.Mahaboob Shareef and K. Muhammed, from the Department of Civil Engineering, received the grant for their project titled "Self Renovation of Building Cracks with Biological Action"; the project was mentored by A.Beline Jude, AP/Civil.
- I.Selvabarathi, S.Salik Mohammed, T.Susendra Vasan and S.Vignesh Raja, from Department of Mechanical Engineering, received the grant for their Project titled, "Tree Shifting and Replantation Mechanism" the project was mentored by L.S.Narendhira, AP/Mechanical.

### University Results

- Around 58% of our final year students got passed in the VIII semester examination conducted by Anna University, during April/May 2019.

### Research and Development Activities

- Three of our faculty are awarded with PhD degree in this academic year and 23 faculty members are pursuing doctoral program currently.
- The R& D cell organized a one day national seminar on "Overview of Research Methodology" for faculty to understand the indispensable concept of research.
- The faculties have published 45 research papers in Web of Science, Scopus and UGC approved International Journals and presented more than 20 papers in national and international level conferences.

  
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- Some of the high impact and indexed journal papers are
  1. Prof. S.Shanmuga Priya, Computer Science and Engineering Department, published a paper titled “The Personal Authentication Service and Security Enhancement for Optimal Strong Password” in SCI indexed journal Concurrency and Computation: Practice and Experience, Wiley publishers.
  2. Prof. S Roseline, Mechanical Engineering Department, published a paper titled “Numerical evaluation of zirconium reinforced aluminum matrix composites for sustainable environment” in SCI indexed journal Annals of operation Research, Springer publishers.
  3. Prof.Dr.X.Susan Christina, Electronics and Communication Engineering Department, published a paper titled, “Performance analysis and comparison of optical signal processing beam forming networks: a survey” in SCI indexed Journal Photonic Network Communication, Springer publishers.
  4. Prof Dr. S.Syed Zahirullah, Department of Physics published a paper titled, “Synthesis and characterization of Bi doped ZnO thin films using Successive ionic layer adsorption and reaction (SILAR) method for ethanol sensor” in SCI indexed Journal Material Letter, Elsevier publisher.
- Three of our faculty Dr. T.Karthikeyan and Dr. Ahilan from Mechanical Department, Dr.X.Susan Christina from ECE Department and U.Suresh kumar of EEE Department are recognized Research Supervisors in Anna University.
- Seven Ph.D scholars have finished their doctoral degree under the guidance of Dr. T.Karthikeyan and currently he is guiding 7 candidates.
- Dr.Ahilan is supervising four research scholars.
- Around 10 proposals were submitted to the various Funding Agencies such as AICTE, Ministry of Science and Technology, DST, CSIR and DRDO.

  
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## NPTEL

- Our college is a Local Chapter for NPTEL, coordinated by IIT Madras.
- Last academic year, 90 faculty members and 150 students enrolled 50 online certificate courses under NPTEL programme.
- Around 100 members including students have successfully completed the course and got e-certificate.
- Mr. U. Balavignesh, Assistant Professor, Department of Civil Engineering completed a course on “Reinforced Concrete Road Bridges” and obtained “Elite+Gold” Certificate.
- Dr. C. Ahilan, Professor, Department of Mechanical Engineering registered for a 12 week course on “Engineering Metrology” and secured his rank in Top 5%.

## Training Program for the Faculties

- Our institute has organized 11 internal training program for the teaching and non teaching faculties.

## Faculty Development Program

- Department of Computer Science has organized one week **FDP** programme in the topic of “**Introduction to python programming**” from **06.05.2019 to 12.05.2019**.
- **69 faculty members have been attended the Faculty Development Program during the academic year 2018-2019.**

## Library

- Our college has well-stacked automated library with more than 43,120 volumes of books and journals.
- Total value of the books available in the library, as on today is 145 lakhs and every academic year 7 lakhs rupees is being spent towards strengthening the resources and facilities of library.
- MIET library has subscribed 470 Springer E-journals for the value of Rs.2.5 lakhs in the last academic year.
- The detailed NPTEL course materials can be accessed from our intranet web server. Our library has an official membership with DELNET, Anna University Library and National digital library.





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### Training and Placement Record

- The department organizes training programme on Technical and Quantitative Aptitude, Soft Skill, Personality Development, Competitive Examination and GATE Examination.
- The department has signed MOU with M/s Phoenix Training Academy for enhancing the potential of the students by developing individual competencies.
- The academic year 2018-2019, 25 industries had visited our college for on campus drive and more than 300 students got placed in different companies.
- Tech Mahindra, India Nippon Electrical Limited, Texmo Industries, Sharda Motor Industries Ltd, Sutherland, LG Balakrishnan Pvt. Ltd., IDBI Federal, Surya informatics, Tenpath Solutions Pvt Limited, Mass Mind Software, and TVS Motors are some of the noteworthy companies that visit our college every year.
- Three of our students got placed in the top MNCs.
- Mr. M. Mohamed Thagir and J. Mohamed Aslam of EEE department got placed in Tata Consultancy Services and Amazon respectively.
- Ms. S. Shahana Begam from EEE department got placed in Wipro.

### Entrepreneurship Development Cell

- EDC Cell has received the grant of forty thousand rupees from the Department of Science & Technology under DST - NIMAT scheme 2018-19 for conducting Entrepreneurship Awareness Camp and Development Programme for students.
- Two 2 days awareness camps have been successfully conducted in the month September 2018 and February 2019.

### Outreach Programmes

- National Service Scheme has been actively functioning in our college under the guidance of NSS State Coordinator, Chennai and NSS Regional coordinator, Trichy.
- We conducted plastic free environment awareness programme, Traffic awareness programme, Automotive emission awareness programme, Awareness rally about school education in Government schools, Free Dental Camp, Veterinary Camp, Free Medical

  
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Camp and computer literacy programme to the village people. More than 750 village people and 100 school students were benefited.

- This year we conducted "Dengue & Tobacco awareness programme" in coordination with Primary Health Centre Tiruverumbur. 100 NSS Volunteers participated in this programme with our College bus drivers and sweepers.
- We also conducted AIDS awareness Programme with the support of Red Ribbon Club.
- Blood Donation programme has been conducted along with Indian Bank for commemoration of 112<sup>th</sup> Anniversary of Indian Bank. Totally 112 NSS volunteers donated blood.
- My Duty My City - Mission Uyyakondan 2018-19 programme was organized on 27<sup>th</sup> September 2018 in our campus to create awareness among the students, the current status of Uyyakondan, measures to restore the Chola-era canal. More than 400 NSS volunteers participated in this programme.
- Around 200 NSS volunteers participated in Special Cleaning programme arranged by Trichy Corporation to mark the 150<sup>th</sup> birth anniversary of Mahatma Gandhi on 2<sup>nd</sup> October 2018.

*A. J. S. S. S. S.*  
IQAC Coordinator

Copy to:

- 1) The chairman for the kind information.
- 2) HOD's-to be circulated to all faculty members.
- 3) All IQAC Committee members.

*J. K. S.*  
Principal  
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