



# MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)  
Rasipuram - 637 408, Namakkal Dist., Tamil Nadu



## INTERNAL QUALITY ASSURANCE CELL



### **Annual Report** **Academic Year (2022-23)**

## PROFILE OF THE INSTITUTION

Muthayammal Engineering College was established in the year 2000 under the aegis of Muthayammal Educational Trust and Research Foundation with the motto to uplift the Rural Community through Technical Education. The College has grown as a reputed Institution in the past 22 years and progressing with the aim to be a Centre of Excellence in Engineering Education, Research and Development. Mission of the Institution is to prepare the Students with High Professional Skills and Ethical Values, to impart Knowledge through Best Practices, to instil a spirit of Innovation through Training, to undertake Continuous Assessment, Remedial Measures and to achieve Academic Excellence through Intellectual, Emotional and Social Stimulation.

Institution offers 12 Under Graduate, 6 Post Graduate and 4 Ph.D Programmes. Institution has been granted Autonomous Status by UGC during the Academic Year 2016-2017. Institution is Accredited by NAAC and Four Undergraduate Programme (CSE, ECE, EEE and MECH) are Accredited by NBA. Institution is recognized 2f & 12B under UGC Act. Anna University, Chennai has granted Permanent Affiliation for 10 Programmes. Also recognized with ISO 9001:2015 and ISO 14001:2015 Certification. Institution is Accredited by Tata Consultancy Services and Wipro Technologies for various activities including recruitment.

## AWARDS AND RECOGNITIONS

- Muthayammal Engineering College is one among the 49 Institutions Identified in India for establishing the AICTE IDEA Lab. The Project Cost for establishing the IDEA Lab at Muthayammal Engineering College is 1.32 Cr. It is great to note that only 5 Institutions are identified in Tamil Nadu to Establish the Lab with the Financial Support of AICTE.
- Institutions Innovation Council (2022-23) received 3.5 Star Rating from Ministry of Education, Government of India
- NIRF-India Rankings 2023 participated in the Innovation Category
- Received Academic Partner Award form ICTACT-BRIDGE'23
- Received Consistent Partner Award 2023 form ICTACT of Tamil Nadu

- “Best IE(I) Students Chapter Award for Engineering College” by The Institutions of Engineers (India),Salem Local Centre on 55th Engineers Day Celebration,2022
- Top-10 Performing Institution in the National Level Intercollegiate RPA Skilathon 2020 hosted by GUVI in association with UiPath Academic Alliance
- Institution received ISO 14001:2015 Certification
- SWAYAM – NPTEL recognizes Institution as a valuable Local Chapter with a rating of “A” based on the performance in NPTEL Online Certification Courses (Jul-Dec 2022)
- SWAYAM – NPTEL recognizes Institution for the Maximum number of Domain Scholars in Jan-Apr 2023
- SWAYAM – NPTEL recognizes Institution as a valuable Local Chapter with a rating of “A” based on the performance in NPTEL Online Certification Courses (Jul-Dec 2023)
- GHRDC -MCA Institutes Survey Datasheet 2023 - 4th Place in Top MCA Colleges of Excellence
- DQ-CMR Best Tech Schools Survey 2023- Top 100 T-Schools (overall) Government and Private Sector -81st Position
- Careers360- India’s Best Engineering Institutes 2023- AAA+ Category
- DQ-CMR –Top T-Schools based on Employability Index- 90th Position
- THE WEEK – Hansa Research – Engineering College Survey 2023
- INDIA TODAY-MDRA Best Colleges Ranking – 2023

### ACADEMIC EXCELLENCE

- Teaching – Learning is enhanced through TASTE, MuDiL, Faculty Recharge Program and Faculty Support for Student Activities
- Online platforms like Google Classroom, OpenEdx, Google Meet, Cisco WebEx and Microsoft Team are used for Learning and Assessment
- Industry Supported Laboratories to meet the industry needs
- Programmes are focused on Employability,Entrepreneurship & Skill Development
- 49 Value Addition/Skill Development Courses are offered to students for their Skill Development

- National Experts TechTalk Series (NETS) are planned in all the Departments by Eminent National Experts from both Academic and Industry. NETS provide opportunity for students to get connected with Academicians/Industry Experts
- Muthayammal International Series of Talks (MIST) offer exposure to enhance their Technical Skill in International Standard. Experts from International Institutions are invited to deliver talks in various forums for the benefit of the Students and Faculty Members
- Undergraduate Project Evaluation and Review (UPER) practice is for project evaluation and review conducted periodically by the team of Internal Faculty Members and Experts from other reputed Institutions
- Online Public Access Catalogue is to facilitate Online search of Books, Digital Resources like DELNET, NDLI, e-Books, e-Journals, NPTEL Lectures and Videos
- NPTEL Online Certifications are received by Faculty and Students
- Meritorious Scholarship are offered to students through Muthayammal Educational Trust and Research Foundation
- Teaching Learning activities of the Institution is organized through ProPlan,ProTech, ProCentres and ProSoCC for both Students and Faculty Members.

### **FACULTY ACADEMIC EXCELLENCE**

- 464 Faculty Members are provided with financial support to attend Conferences / Workshops
- 53 Number of Professional Development /Administrative Training Programmes Organized
- 534 Faculty Members are attended FDP's, Workshop/Seminar during the year
- 43 Guest Lectures delivered by Faculty in other Institutions
- 106 NPTEL Certification by Faculty Members
- 172 Number of Seminars delivered in TASTE by Faculty Members
- 55 Awards and Recognition received by Faculty
- 323 Multi Disciplinary Lectures (MuDiL) delivered by Faculty Members

## RESEARCH AND CONSULTANCY EXCELLENCE

The prime focus of the Institution is Academic and Sponsored Research. The Faculty Members engaged in research are provided with seed money by the Institution to start the research. Research facilities are provided to carry out research activities. The Department of Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering are recognized as Research Centres for carrying out Ph.D/M.S.(By Research) Programme by Anna University, Chennai.

Centre for Product Development and Consultancy established to promote the conversion of Ideas into Products, to educate the Students and Faculty members on Product Lifecycle and train the Designers on the feasibility Study of making Products.

Faculty members are encouraged to apply for funding support from the Government Agencies like AICTE, DST, CSIR, ISRO, DRDO, etc to carryout research work. The Faculty Members of all the Departments shall tie-up with Industries and undertake funded research in emerging and industry relevant areas.

- Provided Rs. 6.9 Lakhs as Seed Money for Research Activities to 30 Faculty Members
- Institution has received a sum of Rs.10.34 Lakhs as Grants
- 4 Departments are recognized as Research Centre by Anna University
- 94 Faculty Members with Ph.D
- 27 Faculty Members are recognized as Research Supervisors
- 204 events related to Research, IPR and Skill Development
- 13 Research Scholars are registered during the year 2022-23
- 167 Articles are indexed in UGC CARE, Scopus and Web of Science
- Published 127 Books /Book Chapters/Conference Proceedings
- 83 Patents Published/Filled/Granted
- Rs. 3.39 Lakhs spent for creating Research Facilities and Technical Training to the Faculty Members for Consultancy Works
- Rs. 29.03 Lakhs generated from Consultancy Works

## SKILL AND CAREER DEVELOPMENT

Training and Placement Cell strives to prepare the students to meet the industry desires. Student Members are actively involved in the Training and Placement activities. Students abilities are shaped through training modules that incorporate Soft Skills, Quantitative Aptitude, Logical Reasoning, Verbal, Technical and Programming Skills.

- 652 offers are received by the Students from various Multinational Companies
- IT and Core Companies like,
  - Cognizant (GenC Pro)
  - Tata Consultancy Services
  - Techmahindra
  - Hewlett-Packard
  - Vuram Technologies
  - Softsquare Solutions
  - Avasoft Technologies
  - Renault Nissan Technology.
  - Volkswagen Group Technology Solutions
  - Trane Technologies
  - Zuci Systems Pvt Ltd
  - CHC Healthwatch
- Higher Education Cell provides exposure to Students on pursuing Higher Studies in India and Abroad
- HEC organizes various awareness Programs like, Overseas Education, Higher Education in European Countries, Study Abroad, Higher Education & Career Opportunities in UK , etc.
- Muthayammal Gate Academy (MuGA) conducts more programs to encourage the students for Graduate Aptitude Test in Engineering (GATE) Exam
- Career Guidance Cell supports Students for various Competitive Examinations by conducting programs like Career Opportunities in UPSC/TNPSC, நீங்களும் ஆகலாம் IAS, வெற்றி நம் வசப்படும், etc,

- Entrepreneurship Development Cell organizes activities for the Students to become an Entrepreneur and supports for Startups
- Industry Experts guide the students to excel in idea generation and the incubation of ideas.

## **ALUMNI INTERACTION AND CONTRIBUTION**

Muthayammal Engineering College Alumni Association registered in 2005 (Registration Number 02/2005). The Alumni Association is to strengthen and cultivate the relationship between the Alumni, Students and the Institution. Association acts as a Brand Building for the Institution by spiraling the image and prominence of the Institution in which they graduated. Alumni Meet is organized every year to bring the Alumni's of various Departments to share their experience in multiple domains. About 124 Alumni Interaction Programs are organized for the students in coordination with Training and Placement Cell by the Department.

In addition, Alumni's guide the students in preparing campus interviews in Core and IT Industries. Alumni's are integrated with social media platform which allows the Institution to manage all social media channels via a single point thus maximizing the reach with ease.

## **EXTENSION AND OUTREACH ACTIVITIES**

National Service Scheme and Youth Red Cross units are functioning in the Institution. NSS has funded two units and each unit has more than 100 volunteers. As part of the Extension activities, Student volunteers are involved in conducting various activities and Special Camps in the nearby villages. Activities like,

- National Formers Day Celebration
- National Voters Day
- World AIDS Day
- Biodiversity and Conservation Seminar
- World Mountain Day Seminar
- Awareness on National Voters Day

- Campus Cleaning Awareness
- Tree Plantation
- Rain Water Harvesting
- Dos and Don'ts of social media

Periodical Medical Camps have organized for the public viz.,

- Free Eye Camp
- Blood Donation Camp
- Health Check-up Camp

In addition traffic rules and regulations are inculcated among students to and instill the importance of safeguarding human life. As part of the campaigns, environmentally safe practices such as Plastic Ban, Water Conservation, Waste Segregation, Clean India Campaign, New Voters Awareness Camp, National Unity Day Celebration, Water Day, Drug Abuse, Health Awareness and Anti-Pollution Campaigns are in practice. Experts from various fields are invited to provide a motivational talk. These series of lectures have made students to positive and to have a responsibility to revert back to the society.

## SPORTS ACTIVITIES

Department of Physical Education has well equipped Sports Facilities to cater the need of Students in Extracurricular activities. Institution has enough Infrastructures in the Campus for Indoor and Outdoor Games, Gymnasium, Yoga and Cultural Activities Students are trained to participate in various competitions at the Zonal, Inter-Zonal, State and National Level. Institution organizes various Zonal Level Sports events regularly for both Men and Women. Institution provides space for Outdoor sport activities such as Football, Handball, Ball Badminton, Badminton, Kabaddi, Kho Kho, Volley Ball and Cricket and Indoor Games such as Chess, Carrom and Table Tennis.

Gym is equipped Fitness Centre is available at the Sports Complex for Students. It includes 10 station Multigym, Tread Mill, Double Side Twister, Gym Ball, Bench Press, Tumble, Spin Bike, Weighing Scale, Weight Lifting and Power Lifting.



## PROFESSIONAL SOCIETIES, CLUBS AND CELLS

Programs are organized for the Faculty and Students in association with Professional Societies to enhance the Technical and Professional Skills. Faculty and Students are the members of the Professional Societies.

Women Empowerment Cell organizes awareness programs on Gender Equity, Be Safe - Women Safety is Nation Safety, Self Defense, Re-Strengthening of Mind during Pandemic, Economic Empowerment of Women, etc., for the benefit of Girl Students. Physicians are invited to deliver talk on Health, Nutrition and Women related issues which instill positive impact on health and personal hygiene. International Women's Day is celebrated every year on March 8<sup>th</sup> by conducting competitions and Girl Students are recognized.

Yoga Centre is available inside the Campus with necessary facilities. Awareness Programs like, Art of Yoga, Yoga as a Effective Tool for Wellness National Seminar on Yoga for Youth, etc., are organized for the wellness of Faculty and Students.

Fine Arts Club, Tamil Mandram and Dance Club conducted competitions for Students to showcase their talents in Singing, Dancing, Face Painting, Skit, Mime, Photography, Short Film, Mimicry, Mehendi and Hair Dressing events.

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