



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 (2023-24)

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 23 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 14 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.
- Received Most Encaged Institutions of the year 2024 from ICTACADEMY
- Received Certificate of Recognition from ICTACT-SKILL-A-THON 2024
- IGEN ENERGATHON 2024- World Record Certification

- The Institution of Green Engineers-IGEN ENERGATHON 2024:ABR, WRCA and IBR World Record - Institution was Recognized with Contribution Certificate for Organization Ambassador – Supported in achieving the 2030 Sustainable Development Goals
- Received Certificate of Appreciation from ICTACADEMY- LEARNATHON 2023
- SWAYAM – NPTEL recognizes Institution as a valuable Local Chapter with a rating of “A” based on the performance in NPTEL Online Certification Courses (Jan-April 2024)
- GHRDC MCA Institutes Survey Datasheet – 2024- 1st Position- Ranking under the category of Top Engineering Colleges of Excellence in India
- GHRDC-CSR Engineering College / Institute Survey 2024- 6th Position- Ranking under the category of Top Engineering Colleges of Excellence in India
- DQ-CMR Employability Survey 2024-87th Position in Top 100 T-Schools (Factual Ranking) Employability Index
- DQ-CMR Best Tech Schools Survey 2024- Top 100 T- Schools Survey 2024 (Overall) -76th Position under Govt. & Private Category and 70th Position in Private Category
- THE WEEK – Hansa Research – Engineering College Survey 2024
- INDIA TODAY-MDRA Best Colleges Ranking – 2024
- Times-All India Annual Engineering Institutes Ranking Survey 2024

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 Added and 23 Skill Development Courses are offered to students for their Skill enhancement
- 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
- 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

- 354 Programs are provided with financial support to Faculty Members to attend Conferences/ Workshops
- 54 Number of Professional Development /Administrative Training Programmes were organized
- 440 Faculty Members are attended FDP's, Workshop/Seminar during the year
- 123 Guest Lectures delivered by Faculty in other Institutions
- 100 NPTEL Certification by Faculty Members
- 114 Number of Seminars delivered in TASTE by Faculty Members
- 72 Awards and Recognition received by Faculty
- 420 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, ICMR,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. 35.30 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
- 95 Faculty Members with Ph.D
- 23 Faculty Members are recognized as Research Supervisors
- 243 events related to Research, IPR and Skill Development
- 21 Research Scholars are registered during the year 2023-24
- 303 Articles are indexed in UGC CARE, Scopus and Web of Science
- Published 115 Books /Book Chapters/Conference Proceedings
- 186 Patents Published/Filled/Granted
- Rs. 3.39 Lakhs spent for creating Research Facilities and Technical Training to the Faculty Members for Consultancy Works
- Rs. 39.64 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.

- 724 offers are received by the Students from various Multinational Companies
- IT and Core Companies like,
 - Cognizant (GenC Pro)
 - Tata Consultancy services, Chennai
 - WIPRO, Chennai
 - Tech Mahindra, Chennai
 - Jasmin Infotech, Chennai
 - Capgemini, Bangalore
 - Soft Square, Chennai
 - Ashok Leyland, Hosur
 - Sundram Fasteners, Hosur
 - Deloitte, Chennai
 - GK Power Expertise, Chennai
 - Zealous Services, Chennai
 - Trane Technologies
 - Zuci Systems Pvt Ltd
 - Mobius, Chennai
 - NCR Corporation, Chennai
 - Omega Healthcare, Chennai

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 How to Crack Civil Service Examination, எட்டும் தூரத்தில் IAS. 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. 09 Alumni Meet is organized annually to bring the Alumni's of various Departments to share their experience in multiple domains. About 119 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,

- Campus Cleaning and Rain water Harvesting white wash
- Electrol Enrolment Campaign
- Vigilance Awareness Pledge and Rally
- Voter Awareness Rally
- Basic Industrial Safety, Fire Fighting and First aid Awareness Program
- Environmental Awareness

- Clean India Campaign
- Health Awareness Rally
- Tree Plantation
- Rain Water Harvesting
- Blood Donation 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.

- **Sports Achievements**

- First place in Yoga (M), 4th State Level Yogasana Competition - 2024
- First place in Chess, Anna University Zonal Tournaments
- First place in Kabaddi, Anna University Zonal Tournaments
- Second place in National level Yoga competition
- Second place in Taekwondo, Anna University Zonal Tournaments
- Second place in Foot Ball, Anna University Zonal Tournaments
- Second place in Yoga (M), Anna University Zonal Tournaments

- Third place in Badminton, Anna University Zonal Tournaments
- Third place in Table Tennis, Anna University Zonal Tournaments
- Third place in Hand Ball, Anna University Zonal Tournaments
- Third place in 100 mts, Anna University Zonal Tournaments
- Third place in Yoga (W), Anna University Zonal Tournaments

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, Personal Hygiene, Sanitation and Hygiene, Self Defense, , 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 8th by conducting competitions and Girl Students are recognized.

Yoga Centre is available inside the Campus with necessary facilities. Awareness Programs like, Yoga, Essay Writing about Fitness, Fitness Pledge, Benefits of Yoga for Women to Support Health and Wellbeing , 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, Mime, Photography, Short Film, Mehendi and Hair Dressing events.

15/07/2024
IQAC Coordinator
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15/07/2024
Chairperson IQAC
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