Dr.Mahalingam College of Engineering and Technology

Pollachi 642003

25th Annual Day Report by Principal

Good Morning to One and All Present here,

I am happy to welcome today's Chief Guest - Mr. N. Mani, Managing Director, Messer Cutting Systems India Pvt, Ltd, Coimbatore, Guest of Honour - Mr. V. N. Sharavanan, Quality Principal Engineer, Dell Technologies – our 1998 batch alumnus of Mechanical Engineering.

My warm welcome to our beloved Secretary sir, Guests, CHRO, Deans, HoDs, Faculty members and my dear Students……

MCET is an Autonomous Institution since 2011, re-accredited by NAAC with highest Grade (A++) for the period 2018-2023. Five UG Programmes were accredited by NBA under Tier I category during this academic year. MCET has been ranked one among top 200 in Engineering Category under National Institution Ranking Framework (NIRF) in the last four years by Government of India. MCET has obtained the status of 'Institution's Innovation Council (IICs)' from Ministry of Human Resource and Development.

I am happy to present 25th Annual day Report of our college.

I like to highlight our initiatives and Achievements of both Faculty members and Students in a brief during the Academic year 2022-23.

<u>Highlights of Institutional achievements:</u>

- The departments of CSE, ECE, EEE and Mechanical engineering got fifth time accreditation status by NBA under tier I category

Few notable comments received from the NBA expert committee:
  - The institute has vibrant management, principal and faculty members.
  - The retention of faculty is good
  - The students are very proactive in various clubs and are working very hard.
  - Centre for Innovation, Business Incubation and Entrepreneurship is present in campus.
  - Many centres of excellence are established and functional with support from industries
- Two new Programmes namely B.E. Computer Science and Engineering (AIML) and B.E. Computer Science and Engineering (Cyber Security) are introduced from 2022-2023.

- Intake for the programme B. Tech Artificial Intelligence and Data Science has been increased from 60 to 120.
- Automobile, IT and EEE Departments has been recognized as Anna University research Centres during this academic year. Currently, 7 departments are recognized as research centers by Anna University Chennai.
- The institution has been ranked 45 out of 100 Government and Private sectors with in India participated in T-School Data Quest Survey 2023. MCET secured 37th rank out of 100 other private institutions.
- New laboratories named Machine Learning Lab, Artificial Intelligence Lab, Data Science Lab, Robotics and Automation Lab, Centre for Applied Cyber Security Research, Information Security Laboratory, Computational and Artificial Intelligence Laboratory, Computer Vision Laboratory were established by the departments of AI-DS, AI-ML and Cyber Security
- Centers of Excellence have been institutional distinctiveness for more than a decade at MCET. At present there are 20 such centers in the campus addressing various emerging areas through programs, courses and projects.
- Centers continued to offer one credit courses, certificate programs, value added courses, in plant trainings, trainings for various skills, skill development courses, internships, consultancy and testing services.
- 800+ skill impacts were created during the academic year.
- TWO new centers namely;
  - Electronics Manufacturing Skill Training Center and
  - Center for Learning and Development commenced operations during this academic year.
- Vayumitra skill development program in partnership with TUV Rheinland and National Institute of Wind Energy was launched for the very first time in India and two batches of 180 candidates have already completed training and are successfully placed.
- An Electric Vehicle Internship was launched networking offerings in several centers and 50 candidates who interned and were certified.
- Lean six sigma courses have been launched in partnership with MSME Technology Development Center and Tamil Nadu Apex Skill Development Corporation.
- An MoU has been signed with TNASDC to offer various programs with certification from TNASDC which is recognized nationally through the National Skill Qualification Framework.

- Federal Skill Academy and Nexora Academy continue to utilize our centers and services for various trainings in welding, NDT, solar PV and electric vehicles.
- MCET was recognized as a Skill Hub to offer trainings in four trades in NSQF with an allocation of 240 candidates under the PMKVY 4.0 scheme. The trainings are in progress under this initaitve.
- Industries such as ELGI, Argo Hytos, Revathi Equipments, Propel Industries, L&T Defence, Capgemini, Sakthi Auto Components have utilized the services of the centers for training, testing, project execution etc.
- Digital credentialing was introduced and 600+ digital credentials issued for trainees from the centers.
- Interns were used in centers to run programs and facilitate sessions for the first time in the history of centers.
- A total of SIX interns with a monthly stipend, who are current final year students, support the centers and their operations.
- We have Collaborative Education Programme with TVS Motors, VVDN Technologies, Sakthi Auto Components, Vuram, EKKI, Caresoft and Capgemini through which, students are getting projects, internship and placement.
- Yukti is the National level Innovation Repository is an initiative of Institution's Innovation Council.
- Yukti Innovation Challenge is called project proposals from students conducted by MoE, Innovation Cell. 10 prototypes have been identified and nominated.
- 957 students of 2022 passed out batch have been graduated. Out of which, 415 students obtained "First Class with Distinction" and 541 students obtained "First Class".
- 732 students were benefited through Internships and trainings. Major companies where students got training are: Roots, Bosch Rexroth, SWELECT, TVS Motors, Zoho, NTT Data, TCS, Mr.Cooper, Vuram, Amypo Technologies, TVS Air Springs.
- 520 students were placed in prominent companies like Infosys, Soliton Technologies, TCS, NTT Data, Zoho, VVDN, Kaar Technologies, Vuram, GainInsights, Capgemini etc..,. The Highest pay is 8.4 LPA and Average CTC is 4.15 LPA
- Five new incubates have started their work under CIBIE during this year.

- 7 Teams have participated in MSME Idea Hackathon 2.0 representing MCET as Host Institution.
- 14 students have completed Forge Protosem industry oriented course trained by Forge Academy, Coimbatore, with the Scholarship of Rs. 2,25,000
- 601 new books are purchased in central library along with subscriptions for 192 IEEE online Journals and 445 Springer Nature online Journals during this academic year for the benefit of faculty and students.
- This year e-Library access from Pearson, DELNET and INFLIBNET were subscribed for 3.47 Lakhs.
- Under Yuvasakthi Welfare Association, Rs. 1 Crore has been collected from various donors and handed over to the Management during International Women's Day celebrations held on 8th March 2023. This amount is considered as endowment and will be provided as scholarships for deserving Girl students from NIA educational institutions.
- This year, total amount of Rs.322.45 Lakhs were given to 774 students as scholarships though various Central and State government schemes. And Rs.12.47 Lakhs were given to 66 students through various schemes by the Management.
- 5 Alumni meetings were conducted during this academic year at Chennai, Bengaluru and Campus chapters with more than 250 alumni members.

Highlights of Faculty achievements:

- Currently we have 76 Faculty members with doctoral degree; 41 faculty members are pursuing PhD.
- During this Academic Year, 5 Internal Faculty Members completed their Ph.D degree. 10 faculty members have registered for PhD.
- 6 research projects were funded by various National agencies such as DST-(WOS-A), INSA, EDII and DST-SEED during 2022-2023. Congratulations to the corresponding Principal Investigators and coordinators, Dr.S.Parveen, Women Scientist, Chemistry, Dr.K.Murali, Prof & Head/Civil, Dr.M.Selvakumar, ASP/Automobile and Dr.S.Bharathi, AP(SG)/ECE. Total fund granted is 55.40 Lakhs.
- 4 students projects were selected for funding under TNSCST Student Project Scheme. Total amount Sanctioned is Rs. 30,000/-. Congratulations to the team members and faculty guides.
- 13 patents were published and 3 patents were granted during this year

- Faculty paper publication details are as follows:
  - Q1 Indexed Journals: 19
  - SCIE Indexed Journals: 30
  - Scopus Indexed Journals: 11
  - Other non-indexed Journals: 33
  - Indexed Conferences: 14
  - Other non-Indexed Conferences: 12
  - Book publications: 3
  - Book Chapter publications: 18
- The incentive amount of Rs. 18.27 lakhs, for the various Research and Innovation activities to our faculties for the period of June 2017 – Dec 2022 has been processed and the management has approved.
- Call for In-house R&D for seed money had received 19 proposals, and the evaluation committee approved 12 project proposals worth Rs. 13.46 lakhs for the management approval.
- 61 programmes such as Workshops, FDPs, Seminars and Training programmes were organized by all departments
- 121 faculty members attended various training programmes conducted by other reputed organizations and industries.
- 16 faculty members acted as resource persons in various training programmes organized by other reputed organizations.
- 65 faculty members completed online certification programmes by NITTT, NPTEL, Coursera, etc..,
- 41 consultancy activities were carried out during this year. Total amount earned is Rs.20.85 Lakhs.
- Dr.S.Ramakrishnan, Dean R&I, was recognized as a Top Scientist (Ranking for Scientist) by securing top 8 % in India, 13% in Asia and 23% in World during 2023.
- Dr.R.Sudhakar, Prof and Head, ECE appointed as Associate editor for peer review process by IET Image processing during the year 2022-23
- Ms.P.Selvanayaki, AP, IT, Received Certificate as "System Administrator" by Redhat Academy during March 2023.
- Dr.R.S.Venkatesan, Assistant Professor (SG), ECE received certificate of excellence for his outstanding contribution in academics and research from Knowledge Research Academy during the year 2022-23.

- Dr.N.Senthil Madasamy, Associate Professor, CSE was recognized as a mentor for team of 6 students from III CSE who secured first place and received cash prize of Rs.50,000 in the Smart India Hackathon 2022 held on 25.08.22 & 26.08.2022
- Dr.N.Gobi, AP(SG), CSE received Topper 5% Gold grade in NPTEL online course "Programming in Java" by Swayam NPTEL, October 2022
- Ms. K.Saranya, AP(SS) and Mr. J.Senthil Kumar, AP, EEE CSE was recognized as a mentor for EEE students team who secured 1st Runner UP in Smart India Hackathon – 2022, held at Indian Institute of Technology, Rookie during August 2022
- Dr. R. Ramesh, Assistant Professor, Mathematics was recognized as "Best Professor" by Vendhar TV and Good Lions Club, Palani during August 2022.
- Dr. J. Johnson William, AP/Physics and Dr. M. Mariappan, AP/Physics were Recognized as supervisors for guiding Ph.D. scholars under Anna University Chennai during this academic year.

Highlights of Students achievements:

- 644 students completed online certification programmes by NPTEL, Coursera, etc.,
- 13 students were placed in reputed universities in abroad including Arizona State University -USA, University of Colorado Denver, California State University for pursuing their higher studies.
- 12 students appeared and cleared in various competitive exams such as AFCAT(Defence Exam), CDS(Defence Exam), IBPS – RRB (PO), AMCAT(IT), TNPSC exams.
- Tamilarasu G of III IT, participated in Hacker one bug bounty event and got placement offer along with Cash Prize ₹ 75,000 during September 2022
- Oruganti Jagadeesh Naidu of III IT, participated in National Level Srinivasa Ramanuja Mathematical Competition conducted by ISTE and completed 2 Levels during March 2023
- Mathan Kumar.A, Ragav Sanjay.S, Sanjay Shankar, Vijay Kumar.S, Sarmila.K.B, Rathidevi.K of III Year CSE Won First Prize of Rs.1 Lakh for the Problem Statement "Drone Neutralization Technique" in Smart India Hackathon 2022-Software Edition, held at Dr.BC Roy Engineering College, Durgapur, West Bengal during August 2022

- M.M.Premgaanth and M.Karthick of II Year B.E.CSE secured First Place in Poster Presentation titled "Today's Wastage is Tomorrow's Shortage" organized by KCT Business School, Coimbatore during September 2022.
- P.Gowtham and M.M.Premgaanth, II Year B.E.CSE won First Prize in Code-Triathon at National Level Technical Fest organized by SSN College of Engineering and Shiv Nadar University, Chennai during December 2022.
- Adarsh Vishwanathan H and Sundareshwara A of II Year Civil have won first prize in Resilience 2023 held at Sri Ramakrishna Institute of Technology, Coimbatore during February 2023.
- Sasi prasanth S and Vijay Boopathy T of III Year Civil have won first prize in FIESTAA '23 held at KPR Institute of Engineering and Technology, Coimbatore during February 2023.
- Srinesh K of II ECE received 1st prize in paper presentation in a NATIONAL LEVEL TECHNICAL SYMPOSIUM at PSNA College of Engineering and Technology held during November 2022.
- Srinesh K and madhan S of II ECE received 1st prize in paper presentation in A NATIONAL LEVEL TECHNICAL SYMPOSIUM Sri Ramakrishna Institute of Technology during February 2023.
- Michkel Anglo J of IV ECE received, "Top Scorer Award" for Quiz Competition – Python Programming during Campus Talent Version 2.0-Virvtual Innovative Symposium Conducted by Project Contest Innovations and BIC - Periyar University during September 2022.
- Karthiswaran R, Suhail N, Nantha Kumar M, Radhika S, Gokul Priya D, Guru Yogiraj K of IV EEE won Cash Award of 75,000 in Smart India Hackathon - SIH Senior Hardware Edition held at Indian Institute of Technology, Roorkee, during August 2022.
- Ramnath C of II EEE won First Place with Cash Award for presenting a paper titled "Ambulance Tracker App" organized by PSNA College of Engineering & Technology, Dindugul during November 2022
- Bhuvanesh M, Vignesh G V and Ajay Kumar RS of III year E&I won Outstanding performance and out of box working – "Best Thriving Team" in Hackathon event organized by Kumaraguru College of Technology, Coimbatore during October 2022
- Gurudharashan T from I Year CSE (AI&ML) received 1st place and cash prize in project Expo conducted by Anna university, Coimbatore.

- Sarathy D and Kaveen kumar S from I Year CSE (Cyber Security) received 2nd place and cash prize in Paper presentation conducted by Anna university, Coimbatore.
- Salimul Hashir S from I Year CSE(Cyber Security) received 2nd place and cash prize in Poster Designing conducted by Anna university, Guindy.
- MCA students "Won Overall Trophy" in a Coding event organized by Hindusthan College of Engineering And Technology during 2022.
- Santhi T N and Sri Varshaa M of II MCA won 3rd prize for paper presentation event organized by Anna University Regional Campus(Coimbatore) during 2022

I would like to congratulate all the Faculty Members & Students for their Achievements. I like to thank our Management, Secretary Sir, CHRO, Deans and HoDs for their constant guidance and support to achieve more in the forthcoming year.

Thanks for the Opportunity Given to me.

Best wishes to all to achieve more in the next academic year.

Thanks Again.

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