

MOMENTUM

DEPARTMENT OF MECHANICAL ENGINEERING
MANGALAM COLLEGE OF ENGINEERING, ETTUMANOOR

From HOD's Desk



Dear students,

I hope this message finds you safe and healthy during these challenging times. As we continue to navigate the ongoing pandemic, the world around us has changed dramatically, and we have all had to adapt to new ways of learning and living.

Our faculty and staff have been working hard to ensure that our courses remain engaging and informative, despite the challenges posed by remote learning.

I would also like to congratulate the students who came up with excellent projects and the faculty who guided them.

As we move forward, we remain committed to providing you with a high-quality education that prepares you for success in the ever-changing world of mechanical engineering. We are here for you, and we will get through this together.

Stay safe and stay strong.

Sincerely,

Dr. Pratheesh K

Vision

To be a center of excellence in Mechanical Engineering by creating innovative and socially responsible technocrats to meet the global challenges.

Mission

1. To provide qualitative technical knowledge in the domain of Mechanical Engineering to compete in the global scenario.
2. To nurture socially committed mechanical engineers through value based education.
3. To enhance the research ability of knowledge seekers for the changing needs of society.

Department Summary

The Mechanical Engineering department started in the year 2004, offers both undergraduate (B.Tech.) and postgraduate (M.Tech.) programmes. The annual intake of the B. Tech. programme is 90 students and that of the M. Tech. is 18. The department provides its students an environment that stimulates their intellectual growth and personality development. Infrastructure facilities are excellent with well-equipped labs, classrooms and libraries.



Student Activities

- Vithun lal, Kiran Rajendran, Anandakrishnan UB, Subin K John won best project Award on topic Portable Mechanical Ventilator guided by Mr. Amal R.
- Basil Mathew, Ajay Kurian Tomy, Abin Biju, Abhimanyu Anil won best project Award on topic Fabrication and Testing of aluminium Metal Matrix Composites guided by Mr. Jishnu M.

Vithunlal, Kiran Rajendran, Anandhakrishnan UB, Subin K John of 2017-21 batch meeting the minister Thomas Issac & T.P Ramakrishnan with their project on Portable Ventilator after receiving First Prize for project conducted by the Covid cell, APJ Abdul Kalam Technological University.

They also received a fund of 5000 USD from IEEE.

Guided by: Mr. Amal R, Assistant Professor



PROGRAM EDUCATIONAL OBJECTIVES

DOMAIN KNOWLEDGE: Graduates will be able to solve the contemporary issues and challenges in mechanical engineering by applying their strong base in Mathematics, Science and Engineering.

LIFELONG LEARNING: Graduates shall have a passion to engage in lifelong learning process through self study, continuing education and professional studies in engineering.

CREATIVE SKILLSET: Graduates will become an effective innovator, to address social, technical and business challenges by enhancing their technical competencies, communication skill and team spirit.

PROGRAM SPECIFIC OBJECTIVES

PSO 1: Able to identify, formulate design and analyze the contemporary challenges and engineering problems in the realm of Design, Industrial and Thermal sciences, utilizing latest technology.

PSO 2: Able to provide solutions by incorporating innovative ideas on product design and development to conquer the challenges in core mechanical sectors, business and other related fields.



Faculty Activities

- Dr.Sreekumar V, Mr. Sammon Korah, Mr.Rajeeve K Mohan, Mr.Jishnu M, Mr..Amal R, Mr.Aneesh KS , Mr..Rahul Krishnan, Mr..Arun Jose, Mr..Abu Thomas Cherian, Mr.. Vaisakh S, attended FDP on Research innovations in Mechanical Engineering conducted by Sasi Institute of technology and Engineering on 13/07/2020 to 17/07/2020.
- Mr..Albert Mathew attended FDP on RIME organised by Sasi Institute of Technology on 13/07/2020 to 17/07/2020.
- Dr.Sreekumar V, Mr.Rajeeve K Mohan, Mr..Rahul Krishanan, Mr.Aneesh KS,Mr..Abu Thomas Cherian, Mr..Abhijith Arun, Mr..Vaishak S, attended FDP on Futuristic areas in Mechanical Engineering conducted by Sree Budha College of Engineering on 21/07/2020 to 25/07/2020.
- Mr..Amal R attended FDP on Research methodology in Mechanical Engineering conducted by St Thomas College of Engineering on 21/07/2020 to 25/07/2020.
- Mr.Sammon Korah, Mr..Benphil C Mathew, Mr..Abu Thomas Cherian, attended FDP on Research methodology in Mechanical Engineering conducted by St.Thomas College of Engineering on 27/07/2020 to 29/07/2020.
- Mr.Amal R, Mr..Abhijith Arun attended online short term course on Cryogenics and composites conducted by NIT Jalandhar on 03/08/2020 to 07/08/2020.
- Mr..Amal R attended online STTP on recent advances in tribology and surface engineering organised by Dr.BR Ambedkar National Institute of Technology on 17/08/2020.
- Mr.Amal R attended STTP on Revent advances in tribology and surface engineering organised by St.Guts College of Engineering on 14/09/2020 to 19/09/2020.
- Mr..Benphil C Mathew attended FDP on Recent advances in tribology and surface engineering conducted by St Gits College of Engineering on 17/09/2020 to 22/09/2020.
- Dr.Sreekumar V attended FDP on Operations Management organised by Christin College of Engineering and Technology on 05/10/2020 to 09/10/2020.
- Mr.Sammon Korah attended FDP on Recent advances in tribology and surface engineering conducted by St.Gits college of Engineering on 12/10/2020 to 17/10/2020.
- Mr.Rajeeve K Mohan attended FDP on Guidance and Counseling conducted by St.Josephs College Pala on 12/10/2020 to 17/10/2020.
- Dr.Praveen Wilson attended FDP on Electric Vehicles organised by Fr.C Rodrigues Institute of Technology on 02/11/2020 to 06/11/2020.



Faculty Activities

- Dr.Sreekumar V attended FDP on Productivity Enhancement organised by NIT Warangal on 03/11/2020 to 07/11/2020.
- Dr.K Pratheesh attended FDP on 3D Printing and Design organised by IIT Dharwad on 09/11/2020 to 13/11/2020.
- Mr.Rajeeve K Mohan, Mr..Rahul Krishnan, Mr..Albert Mathew, attended FDP on 3D printing and design conducted by Mar Athansius College of Engineering on 16/11/2020 to 20/11/2020.
- Mr..Santhu Varghese Thomas attended STTP on Outcome based Education for technical institutions organised by Rajagiri School of Engineering and Technology on 16/11/2020 to 21/11/2020.
- Mr.Dr.Praveen Wilson attended FDP on Energy Engineering organised by IIT Roorkee on 23/11/2020 to 27/11/2020.
- Mr.Sammon Korah, AsstAmal R, attended FDP on Recent advances in tribology and surface engineering conducted by St.Gits college of Engineering on 23/11/2020 to 28/11/2020.
- Mr..Praveen H attended FDP on Sustainability Engineering organised by Kolhapur Institute of Technology on 25/11/2020 to 29/11/2020.
- Mr..Praveen H attended FDP on Electric Vehicles organised by IFET College of Engineering on 30/11/2020 to 04/12/2020.
- Dr.K Pratheesh attended FDP on Recent advances in MEMS organised by Mahatma Gandhi Institute of Technology Hyderabad on 07/12/2020 to 12/12/2020.
- Mr.Ajin C Sajeewan attended FDP on 3D printing and design conducted by BS Abdur Rahman Crescent Institute of Science and Technology on 07/12/2020 to 11/12/2020.
- Mr.Praveen H attended FDP on Advancement in 3D printing and its future scope organised by Symbiosis Institute of Technology on 08/12/2020 to 12/12/2020.
- Mr..Akhil Ajay attended FDP on 3D Printing and Design organised by NIT Jalandhar on 14/12/2020 to 18/12/2020.
- Mr..Ajithkumar TT attended FDP on Operations Management organised by Atal Bihari Vajpayee Indian Institute of Information Technology on 20/12/2020 to 24/12/2020.
- Mr.Rajeeve K Mohan, Mr..Jishnu M, Mr..Rahul Krishnan, Mr..Manoj Balu VB, attended FDP on Advanced NDT techniques for industrial inspection conducted by Musliar College of Engineering on 18/12/2020 to 23/12/2020.

Editorial: Dr. Pratheesh K, Mr. Rajeeve K Mohan, Mr. Hariprasad K S

Joseph Babu(Assistant Editor), Sreelakshmi S, Nakul Suresh, Jayashanker Pillai