



JANUARY-JULY 2022 VOL 2. ISSUE 01

MACHINE HEADS



VISION OF INSTITUTE

Be a premier technical institution of academic excellence by imparting value based professional education with social responsibility.

MISSION OF INSTITUTE

- To produce self-motivated, skilled professionals of academic excellence.
- To provide value oriented quality technical education through innovative teaching learning process.
- To equip students to be Responsible Professionals for the betterment of society.

VISION OF THE DEPARTMENT

To achieve excellence in mechanical engineering by imparting technical and professional skills to meet industrial and social needs.

MISSION OF THE DEPARTMENT

- M1:- To impart sound foundations in Mechanical Engineering and its related fields to excel in academics and career.
- M2:- To develop students as competent professionals with strong emphasis on social and ethical values.
- M3:- To cultivate technical and creative skills for creating young professionals to meet industrial and social challenges.

FROM THE DESK OF THE PRINCIPAL

Dear All,

Technical education plays a vital role in nation building and development. We, at KMCT College of Engineering thrive to educate the students by imparting technical and value based education. One mission and vision is to empower and mould engineers, competent with analytic, strategic and leadership abilities.

A group of highly experienced, dynamic and committed faculty members working meticulously to achieve the objective. Training programs are conducted to improve the soft skills and technical skills of the students by the use of information and communication technology.

Various professional associations are setup to nurture the student's technical skills. The faculty members are committed to give special care and attention to economically and educationally backward students, by motivating and bridging the gap of competency.

Apart from academics the college gives importance to extracurricular activities to build the students leadership and strategic abilities. All these qualities help to build a strong academic and co-curricular record imparting knowledge, and nurturing the talent of every student.

I invite you all to KMCT College of Engineering and be part of our mission and vision.

Best Regards,
Principal

PEO OF THE DEPARTMENT

PEO1: Shall excel in Industry, in higher studies, research and as entrepreneurs.

PEO2: Shall acquire profound knowledge in mechanical engineering leading towards innovation and creativity.

PEO3: Shall have good communication skills, interpersonal skills, managerial skills, leadership skills, ethical values and understand the need for lifelong learning.

PROGRAM OUTCOMES

P01: Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

P02: Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

P03: Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

P04: Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

P05: Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

P06: Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

P07: Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes

PROGRAM SPECIFIC OUTCOMES

PSO1: Apply the principles of mechanical engineering to design and develop innovative products useful for the safe and sustainable development of industry and society without deviating the quality of the environment.

PSO2: Apply the knowledge and principles of engineering by emphasizing human values to excel in career and entrepreneurship.

MESSAGE FROM HEAD OF THE DEPARTMENT

In this era of tough competitions, the need of the hour is to mould the real Tech Entrepreneurs who will be leading the shows of the next generation. Being in this seat, I'm so proud to a firm departments and students that KMCT Polytechnic has been committed in this process of making quality future Technocrats and Engineers not compromising the culture, heritage and values of our great country and different people. Welcome you all to explore our campus...

Best Regards

Mr. Vineeth C.
HOD.

FDPs/ Workshops Attended

- **Mr. Vineeth C.** HOD ME Department Lecturer in CE Department attended one day Faculty Development Program based on “Serve and Lead “ by Mr. Subair P Mohammed on 14/01/2022.
- **Mr. Syam K Jayan**, Lecturer in ME Department attended one day Faculty Development Program based on “Serve and Lead “ by Mr. Subair P Mohammed on 14/01/2022
- **Mr. Rakesh T** Lecturer in ME Department attended one day Faculty Development Program based on “Serve and Lead “ by Mr. Subair P Mohammed on 14/01/2022
- **Mr. Naveen Lazer K.** Lecturer in ME Department attended 1 day webinar on the topic “Coping with Covid -19 your mental health is in your hands” organized by IETE-ISF & Women’s Club of Royal CET Thrissur o **Mr. Vineeth C.**, Lecturer in ME Department attended one day Faculty Development Program based on “ Outcome Based Education “ by Prof. Dr. Abdul Gafoor on 10/01/2022 & 11/01/2022.
- **Mr. Syam K Jayan.**, Lecturer in ME Department attended one day Faculty Development Program based on “ Outcome Based Education “ by Prof. Dr. Abdul Gafoor on 10/01/2022 & 11/01/2022.
- **Mr. Rakesh.**, Lecturer in ME Department attended one day Faculty Development Program based on “ Outcome Based Education “ by Prof. Dr. Abdul Gafoor on 10/01/2022 & 11/01/2022.
- **Mr Vineeth C**, Lecturer in ME Department attended one day Faculty Development Program based on “Upcycling and refurbishment “ by Mr. Kabeer B Haroon & Mr. Dr. K A Aboobacker on 18/02/2022 &

19/02/2022.

- **Mr Syam k Jayan**, Lecturer in ME Department attended one day Faculty Development Program based on “Upcycling and refurbishment “ by Mr. Kabeer B Haroon & Mr. Dr. K A Aboobacker on 18/02/2022 & 19/02/2022
- **Mr. Rakesh T**, Lecturer in ME Department attended one day Faculty Development Program based on “Upcycling and refurbishment “ by Mr. Kabeer B Haroon & Mr. Dr. K A Aboobacker on 18/02/2022 & 19/02/2022

PROGRAM ORGANIZED BY THE DEPARTMENT

E-Waste management programme



It's critical to keep electronic waste out of landfill. The EPA has stated that e-waste is dangerous when improperly disposed of. Electronic devices are comprised of toxic substances and heavy metals. Materials such as chromium, cadmium, mercury and lead can leach into the soil contaminating the air and waterways. so Mechanical department in connection with IEDC organized an e waste collection program.

Cancer Day Awareness

Conducted Cancer Day Awareness Programme on behalf of Mechanical engineering department of KMCT polytechnic college Kuttippuram on 04/02/2022.



കുറ്റിപ്പുറം കെ.എം.സി.ടി പോളിടെക്നിക് കോളേജ് എൻ.എസ്.എസ് യൂണിറ്റ് സംഘടിപ്പിച്ച കൗൺസൽ ദിന ബോധവൽക്കരണ പരിപാടി

കൗൺസൽ ദിനാചരണവും ഭക്ഷ്യക്കിറ്റ് വിതരണവും സംഘടിപ്പിച്ചു

കുറ്റിപ്പുറം അന്താരാഷ്ട്ര അർബുദ ദിനത്തോടനുബന്ധിച്ച് കുറ്റിപ്പുറം കെ.എം.സി.ടി പോളിടെക്നിക് കോളേജിലെ എൻ.എസ്.എസ് യൂണിറ്റ് കൗൺസൽ ദിന ബോധവൽക്കരണവും നിർമ്മാണകേൾക്കൽ ഭക്ഷ്യക്കിറ്റ് വിതരണവും സംഘടിപ്പിച്ചു. ബോധവൽക്കരണ പരിപാടിക്ക് കൗൺസൽ അതിജീവന പോരാളിയും സാമൂഹിക പ്രവർത്തകനും

മാധ്യമ ബാലകൃഷ്ണൻ വലിയായ് നേതൃത്വം നൽകി. കൗൺസൽ രോഗം കൊണ്ട് ദുരിതമനുഭവിക്കുന്ന കുടുംബങ്ങൾക്ക് ഭക്ഷ്യക്കിറ്റ് വിതരണം ചെയ്തു. വൈസ് പ്രിൻസിപ്പൽ ടി.ജോ ഹൃദയ് അജീർ അധ്യക്ഷനായി. പ്രോഗ്രാം കാണാൻ ടി.പി അനീർ, ഇല കോഡിനേറ്റർ കെ.സുരേഷി, സി.പി പ്രജീഷ്, രൂപതജ്യാനാഥിൻ, കെ.വി ഹാസിൽ സംസാരിച്ചു.

IDEATION 2K22
30-05-2022



PRESENTATION CONDUCTED BY
MUHAMMAD IQBAAL

Blood Donation

The NSS unit and Mechanical engineering department members successfully organized a blood donation camp on 28 March 2022 at college campus. A large number of students and faculty members contributed to this social service. 80 members donated blood. Along with the blood donation camp an awareness class was also organized for the registered members inside the campus.



“WORKSHOP”

Workshop on Ideate, Innovate & Build The Innovation and Entrepreneurship Development Cell (IEDC) of KMCT Poly technic college kuttippuram conducted a program for enlightening the faculties and students on Entrepreneurship on 30-5-2022. The Workshop was handled by Mr Muhammad iqbaal.

Palliative day

Collection of Fund and Distribution of Air Bed to Palliative care unit and cleaning of palliative care unit on 15/03/2022 and also raised fund to build house for homeless.



International Women’s Day

The Women’s Cell of KMCT Poly Technic College Kuttippuram celebrated the International Women's Day on 8 March 2022 with an invited talk on "Women In Engineering; Opportunities and Challenges" by Dr Beena Ragavan. This program was jointly Organized by the NSS Unit, and Women's Redress Cell of KMCT Poly Technic College Kuttippuram



Celebrated Kargil Vijaya Divas

College NSS unit and Mechanical department celebrated Kargil Vijaya divas in remembrance of our great soldiers.



Anti tobacco day celebration

Created an awareness programme among the students about the harmful effects of tobacco.



College Technical Fest



Conducted technical fest named on July 1, 2 & 3 various technical and cultural programmes were conducted.

Yoga Day

Celebrated international Yoga Day on 21 June 2022. Conducted a yoga class by Sri.Pramod pattambi, Asian yoga referee, chetana yoga coach. Inaugurated by Mr. Vasunni N V, Sub Inspector of police kuttippuram.

Awards Distributed

- Principal and HOD appreciated the students who are achieved good result of 2019-2021 batch.
- Mr. Kiran Kumar S. secured 1st position with CGPA 9.1 of the 5th semester result. HoD

awarded appreciation certificate to him.

- Mr. Abhinav P. secured 2ND position with CGPA 8.5 of the 5th semester result. HoD awarded appreciation certificate to him.
- Mr. Sooraj S. secured 1st position with CGPA 9.1 of the 5th semester result. HoD awarded appreciation certificate to him.
- Mr. Akash M K. secured 1st position with CGPA 8.5 of the 3rd semester result. HoD awarded appreciation certificate to him.
- Mr. Bibin Raj. secured 1st position with CGPA 8.3 of the 3rd semester result. HoD awarded appreciation certificate to him.
- Mr. Aswin S. secured 1st position with CGPA 7.5 of the 3rd semester result. HoD awarded appreciation certificate to him.