



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

MECHNOVA



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LATEST IN MECHANICAL ENGINEERING!!

DIGITAL MANUFACTURING

The name indicates that the manufacturing is controlled by means of numbers or numerals in the digital form i.e. write the G codes and M codes in a program and that can be operated by means of a central computer. As there are more automated tools in the manufacturing industry, it is the duty of the industry to model, run the simulation and analyze the machines, input materials, and tooling.

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VISION

"To become a centre of excellence in Mechanical Engineering, producing innovative and creative mechanical engineers to meet the global challenges"

MISSION

1. Provide a platform to the students towards attaining quality education in Mechanical Engineering.
2. Educate students about professional & ethical responsibilities and train them to build leadership and entrepreneurship qualities for their career development.
3. Create opportunities and guide students in acquiring career oriented jobs in the field of Mechanical Engineering.

**SEMINAR ON
“CAREER OPPORTUNITIES IN VARIOUS SECTORS IN THE FIELD
OF MECHANICAL ENGINEERING”**



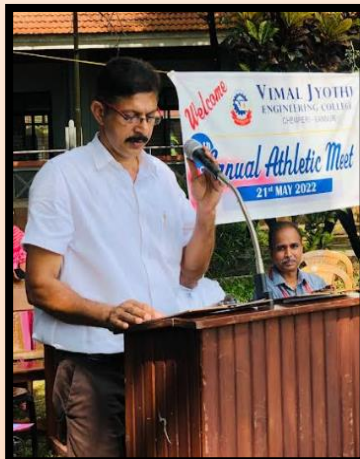
The Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur in association with MTTIC INTERNATIONAL LLC, organized a Career oriented Seminar on “Career opportunities in various sectors in the field of Mechanical Engineering” on 19-04-2022 from 1.30 pm to 3 pm. The session was conducted for fourth year students from the Department of Mechanical Engineering. Twenty one students participated in the seminar. The convener of the program was Cdr. (Retd.) Raju K Kuriakose, Head of the Mechanical Engineering Department, VJEC. The session was coordinated by Mr. Gokulnath R (AP, ME), Mr. Jerin Saji (AP, ME) and Mr. Aji Augustine (AP, ME). The resource person was Mr. Shywin Thomas, faculty, MTTIC, Ernakulam, Kerala. MTTIC INTERNATIONAL LLC is Scientific & Technical Education Development Council (STED) Authorised Training Centre.

INDUSTRIAL VISIT



As part of KTU Academic curriculum, the S8 ME- B students of Mechanical Engineering Department visited two Industries in Goa and Chikmagalur as part of 3 days IV to get an exposure to the Industrial environment. Hence In this regard Chikmagalur Coffee, Mandovi Dry Docks, Shipyard, Rassaim, Goa acknowledged our request to visit the facility and permission were granted to visit on 1st and 2nd Apr 2022. The contingent visiting the facility comprised of 30 students including 2 staffs and 2 local guardians.

SPORTS DAY



The college sports day was conducted on 21-05-2022. Jury of Appeal were Rev. Fr. James Chellamkott (Manager), Dr. Benny Joseph (Principal), Sri. Shaji.M.A (Associate Prof.,Physical Edn.). Managers of the meet were Rev.Fr. Lazar Varambakath (Bursar, VJEC) and Sri. Sebastian K J (P.R.O). The Competition Director was Sri. Shaji.M.A (Associate Prof.,Physical Edn.) and referee Ms. Jancy Joseph (Coach). Various events were conducted as a part of the event.

ARTS FEST 2022



The college arts fest was celebrated on 23rd and 24th May 2022. Some of the Onstage events were Recitation , Elocution, Stand Up Comedy, Debate, Anchoring, Mimicry, Mono Act, Mime, Malayalam Skit, Duff Muttu, Western Music, Desk Knock Music, Light Music, Karaoke, Mappappattu, Folk Song, Chain Song, Western Song , Classical Music, Instrument Music, Cinematic Dance etc. Some of the offstage events were Essay , Story, Short Movie Script Writing, Versification, Pencil Drawing, Cartoon Drawing, Collage With News Paper, Mehandhi ,Face Painting, Caricature, Embroidery, Short Film ,Photography etc. Music performance by Mr. Hanan Shah and Band performance by Bro House added more colours to the fest.

CHARITY PILGRIM



S2 ME students visited "Snehabhavan", an old age home situated at Thirumeni in Kannur District on 20th May 2022 as part of the "Charity Pilgrim 2022" for the academic year 2021 - 22. "Snehabhavan" started and ran by Fr. George Nelluveli. Students interacted with inmates and handed over their contribution. Started the journey at 9.30 AM from the college and reached Thirumeni at 11.30 AM. Returned at 01.30 PM and reached college at 3.30 PM.

PTA MEETINGS



PTA meetings were conducted on the following dates

S2 – 25.05.2022

S6 –26.05.2022

S4 -30.05.2022

The meeting consisted of the addressing by The Principal, Management representatives, HODs and prize distribution for class toppers and for special achievements.

PLACEMENT

1. Mr. Pranav Sreejith, of S8ME, has got a placement offer from Genpro Research Inc, Trivandrum.

2. Twenty seven students, from final year Mechanical Engineering, in the attached list, are selected for placement by Colonial Lumbers, Taliparamba.

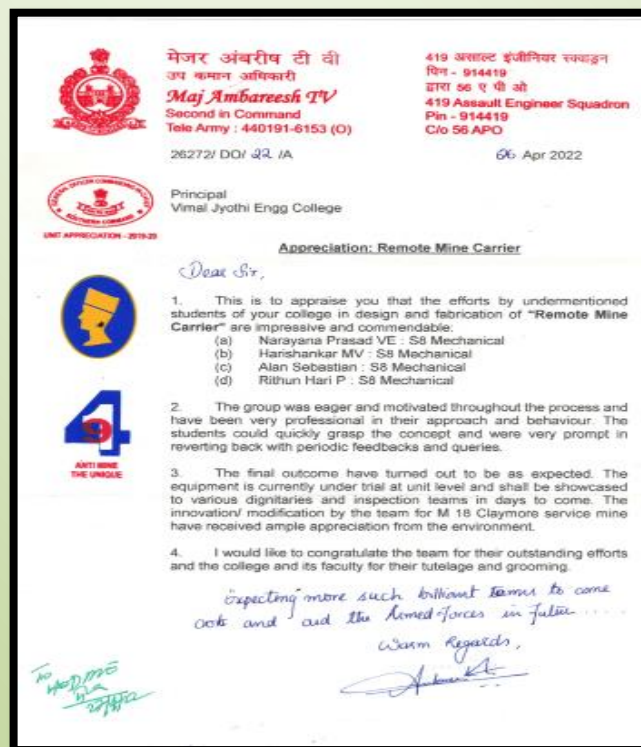
- SALVIN SAJI
- YAKUL SIDHARTH
- ROSH GEORGE
- ALVIN SEBASTIAN
- ABHISHEK ANIL
- SOURAV RAJEEV M
- AKHIL K S
- ARJUN BABU
- AKSHAY K
- ANAS ABDHULLA A
- ANURAG T K
- ASWIN C RAMESH
- SHAYMLAL M
- BAVANEETH K
- MUHAMED AMEEN
- MAHITH E
- DHYAN S NAMBIAR
- SREERAG M
- MELVIN K JIJI
- SREEPRASAD P C
- P FAISAL
- SOURABH PRAMOD.C
- ABHIJITH T V
- SREERANJ M
- SANJAY M
- YADUNANDAN RAM T E
- SRIPIN PRADEEP M K

APPRECIATION TO OUR STUDENTS FOR PROJECT WORK

Indian Army has sent a letter of appreciation for the project work carried out by the following final year Mechanical Engineering students.

1. Mr. Alan Sebastian
2. Mr. Harishankar MV
3. Mr. Narayana Prasad V E
4. Mr. Rithun Hari P

The project was supervised by Dr. P Sridharan, Associate Professor, Department of Mechanical Engineering.



PROJECT FUNDING

The following projects by final year Mechanical Engineering students was selected for funding, by Innovative Research Promotion Scheme (IRPS) - 2022

1. 'Automatic Waste sorting machine for parks' - Mr. Shahin Gafoor, Mr. Nivedh P, Mr. Melvin K Jiji, Mr. Srerag M. Guided by Dr. Sreekanth MP
2. 'Synthesis and characterization of Bamboo leaf ash reinforced aluminium composites' – Mr. Aju Thomas, Mr. Arjun Babu, Mr. Dhayan S Nambiar, Mr. Faisal P. Guided by Dr. Sivaprasd PV

PAPER REVIEWS

Dr. S Christopher Ezhil Singh , Professor, ME, reviewed the following Conference Papers

1. Studies on copper ferrite nanoparticles,
2. Detection of fuel adulteration in automobiles,
3. A Comparative Study of Ant Colony Optimization and Genetic Algorithm for Path Planning of Aerial Food Delivery System,
4. An Optimized Path-Planning Concept For A Micro-Mouse Robot for autonomous applications in terrained environments,
5. Comparison of Swarm Optimization Algorithms for Multi-Target Tracking and Detection,
6. Optimisation of Ultrasonic Transducer using FEM Simulation,
7. Effect of U-Net Hyperparameter Optimisation in Polyp Segmentation from Colonoscopy Images.

DEPARTMENT OF MECHANICAL ENGINEERING

CONGRATULATIONS

S2 UNIVERISTY EXAM TOPPERS (2020-24 BATCH)



MR. NIRMAL DEV P



MR. VYSHNAV R



MR. ALBIN C S

WELCOME OUR NEW FACULTY



DR. JITHIN E. V

Dr. Jithin EV has joined as faculty in the Department of Mechanical Engineering

Program Educational Objectives (PEO'S)

PEO1: Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities.

PEO2: Graduates will have skills and knowledge to formulate, analyze and solve problems in mechanical engineering to meet global challenges.

PEO3: Graduates will be capable of pursuing mechanical engineering profession with good communication skills, leadership qualities, team spirit and professional ethics to meet the needs of the society.

PEO4: Graduates will sustain an appetite for continuous learning by pursue higher education and research in the allied areas of science and technology.

Program Outcomes (POs)

- PO1: Engineering knowledge
- PO2: Problem analysis
- PO3: Design/development of solutions
- PO4: Conduct investigations of complex problems
- PO5: Modern tool usage
- PO6: The engineer and society
- PO7: Environment and Sustainability
- PO8: Ethics
- PO9: Individual and team work
- PO10: Communication
- PO11: Project management and finance
- PO12: Life-long learning

Program Specific Outcomes (PSOs)

PSO1: Ability to use advance design, modelling, analysis, manufacturing tools and techniques to provide a solution in mechanical engineering problems.

PSO2: Ability to design, develop, implement and manage a product development process.

Staff Editor:

MR. GOKULNATH R (ASST. PROF, ME), MR. ARUNLAL M P (ASST. PROF, ME),

Student Editors:

MS. ARYA SANTHOSH (S8 ME) & MR. NIVED P (S8 ME)