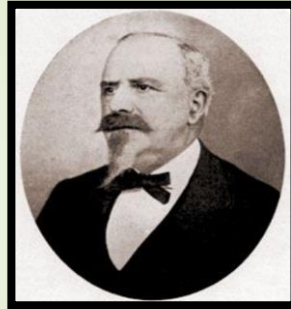




KNOW A FAMOUS MECHANICAL ENGINEER-SERIES 16



FELICE MATTEUCCI

Felice Matteucci (February 12, 1808 – September 13, 1887) was an Italian hydraulic engineer who co-invented an internal combustion engine with Eugenio Barsanti. Born in Lucca, Tuscany, Matteucci studied hydraulic and mechanical engineering, first in Paris, then in Florence. In 1851 he met Father Barsanti and appreciated his ideas for a new type of engine. They worked together to turn the primary concept into a manufacturable item, eventually developing a model suitable for mass production

VISION

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

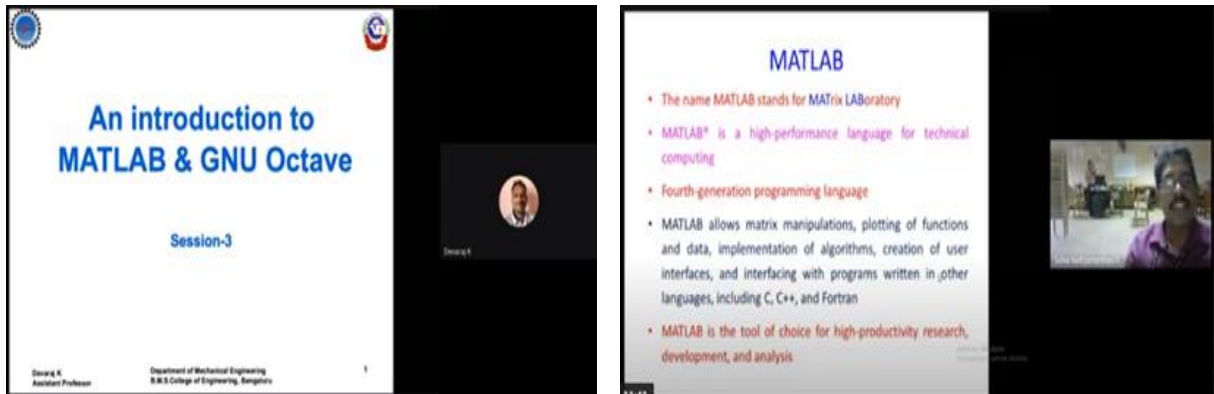
MISSION

- To provide a platform to the students towards attaining quality education in Mechanical Engineering.
- To educate students about professional & ethical responsibilities and train them to build leadership and entrepreneurship qualities for their career development.
- To create opportunities and guide students in acquiring career oriented jobs in the field of Mechanical Engineering

Inside this issue:

- *Famous Mechanical Engineers*
- *Vision, Mission*
- *Workshop on “MATLAB In Interdisciplinary Engineering Research”*
- *Faculty Achievements*
- *Proposal submitted under Modernisation and Removal of Obsolescence (MODROB)*
- *Programmes attended by Faculty*
- *Paper Publications*
- *Student Achievements*
- *Placement*
- *PEOs*
- *POs and PSOs*

WORKSHOP ON “MATLAB IN INTERDISCIPLINARY ENGINEERING RESEARCH”



The Department of Mechanical Engineering, VJEC organised a three weeks online Hands on Workshop on “MATLAB in Interdisciplinary Engineering Research” from 14th December 2020 to 02nd January 2021 with a sessions from 05.00 pm to 07.00 pm. The workshop was conducted in association with B.M.S College of Engineering, Bull Temple Road, Bengaluru, Karnataka, India using Google Meet online platform for faculty, Research Scholars and P.G Scholars from India. The online workshop was conducted for enriching the faculty members, Research Scholars and P.G Scholars in the area of “MATLAB programming and Simulink in Mechanical and Electronics”. The Workshop convener was Dr. S.ChristopherEzhil Singh (Professor, Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi) and Dr. Anil Chandra A R (Professor, Department of Mechanical Engineering, B.M.S College of Engineering, Bengaluru). Some of the resource persons were Dr. M.SelvaNithiyanandan (Professor, MepcoSchelk Engineering College, Sivakasi), Mr.Devaraj K (Assistant Professor, Dept. of M.E., BMSCE), Dr. R.S.Geetha (Professor, Dept. of EEE, BMSCE, Bangalore) Dr. Prema V, (Associate Professor, Dept. of EEE, BMSCE, Bangalore) and so on.

FACULTY ACHIEVEMENTS

1) Dr T D John (Professor & Dean Research), presented a session in the KTU webinar on "**Carbon Neutral Kerala :An opportunity for socially relevant academic interventions**" on 19-12-2020

2) Dr. Christopher Ezhil Singh was a resource person for the webinar on the topic "Nanomaterials in Mechanical Engineering", organised by Wollo University, Ethiopia on 06-11-2020.

3) Dr. Sreekanth M P (Assistant Professor, ME) reviewed a paper for Journal of Engineering Manufacture (SAGE) and submitted the score on 04-12-2020.

4) Dr. Sreekanth M P (Assistant Professor, ME) reviewed papers for "First International Conference on Frontiers in engineering science and technology" held at Yenepoya Institute of Technology, Moodbidri, Mangalore.

PROPOSAL SUBMITTED UNDER MODERNISATION AND REMOVAL OF OBSOLESCENCE (MODROB)

Submitted a Proposal to All India Council for Technical Education, under Modernisation & Removal of Obsolescence (MODROB), for Advanced Manufacturing Laboratory. The scheme aims to modernize and remove obsolescence in the Laboratories / Workshops / Computing facilities (Libraries are excluded), so as to enhance the functional efficiency of Technical Institutions for Teaching, Training and Research purposes. (b) It also supports new innovations in Class Room and Laboratory / Teaching Technology, development of Lab Instructional Material and appropriate Technology to ensure that the practical work and project work to be carried out by students is contemporary and suited to the needs of the Industry.

PROGRAMMES ATTENDED BY FACULTY

Mr. Appu C Kurian (Assistant Professor, ME) attended 3 WEEKS FDP on 'MATLAB In Interdisciplinary Engineering Approach', organised by the Department of Mechanical Engineering, VJEC from 14-12-2020 to 02-01-2021.

PAPER PUBLICATIONS

Dr. S.Christopher Ezhil Singh and Dr. T.D.John (Professors, Department of Mechanical Engineering, VJEC) published paper on “Optimization on Friction and Wear Behaviour of Al-Si Alloy Reinforced with B⁴C Particles by Powder Metallurgy using Taguchi Design” in *Bulletin of the Polish Academy of Sciences: Technical Sciences*, Vol. 68, No. 6, pp.1393-1402, **I.F:1.385**.

CONGRATULATIONS



Mr. Pranav M Sreejith

Mr. Pranav M Sreejith, student of 2018-22 ME batch, achieved the record of Asia's largest English poetry collection 'Spectra of Phobia' in Asia book of Records.

STUDENT ACHIEVEMENTS

As a part of KTU webinar on "**Carbon Neutral Kerala :An opportunity for socially relevant academic interventions**" on 19-12-2020, two student teams from S7 ME (2017-21 batch) presented their paper.

1) Mr. Abhiraj Ashok, Mr. Akash Gopinath, Mr. Aswin Krishna and Mr. Randhir Dinesh, presented paper on 'Analysis of Gasifier for Biomass conversion using Cycle tempo software'.

2) Mr. Gautham K, Ms. Pallavi Chandran and Mr. Srihari Muraleedaran presented paper on 'Energy, Exergy, Efficiency analysis of slow and fast pyrolyzer based biochar production for different biomass using Cycle tempo software'.

PLACEMENT



Ms. Pallavi Chandran

Ms. Pallavi Chandran of S7 ME (2017-21 batch) got placed in Tata consultancy Services as Assistant System Engineer Trainee.

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: An ability to use computer aided modelling and simulation tools to provide solutions to mechanical engineering problems.

PSO2: An ability to develop and implement a process in a well-planned manner leading to a demonstrable product.

Staff Editor: Mr. Gokulnath R (Asst. Prof, ME), Mr. Alex George (Asst. Prof, ME)

Student Editors: Mr. Abhiraj Ashok P V (S7 ME), Ms. Pallavi Chandran (S7 ME)