



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

MECHNOVA



AUGUST 2021
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FAMOUS MECHANICAL ENGINEERING INVENTIONS - SERIES 2



BEARINGS

Mechanical engineering owes a lot of its advancement to this invention. The bearing allows objects to be in one constant motion or plane whilst simultaneously reducing friction. They come in many shapes and different sizes, but the theory remains the same for all. The most common bearings are those found in bicycle wheels or car wheels.

VISION

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

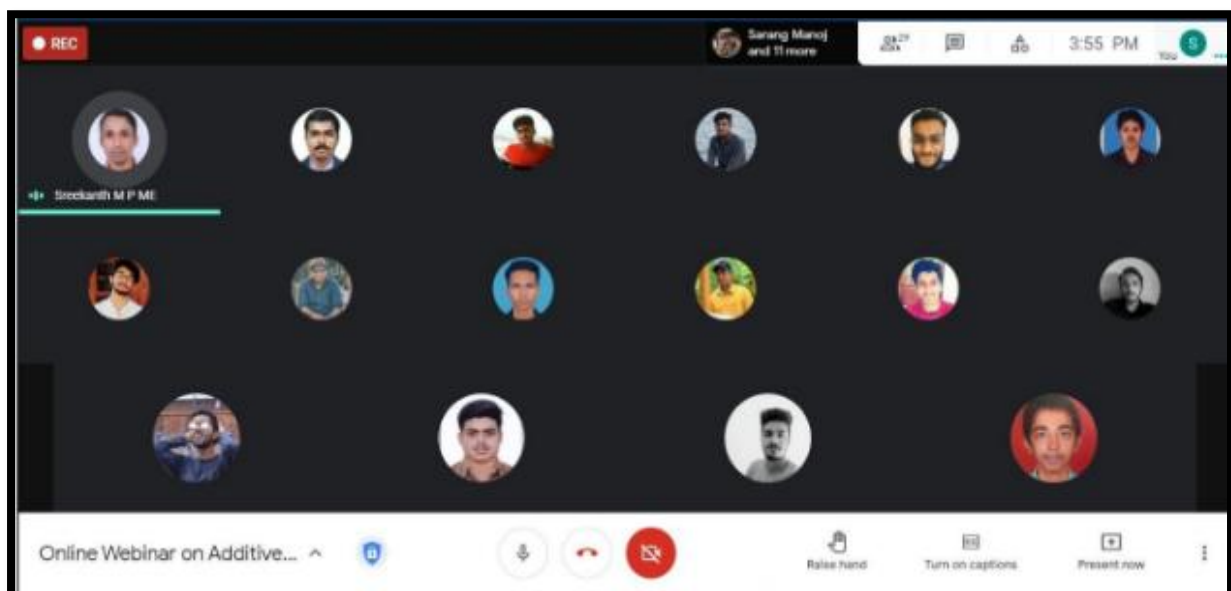
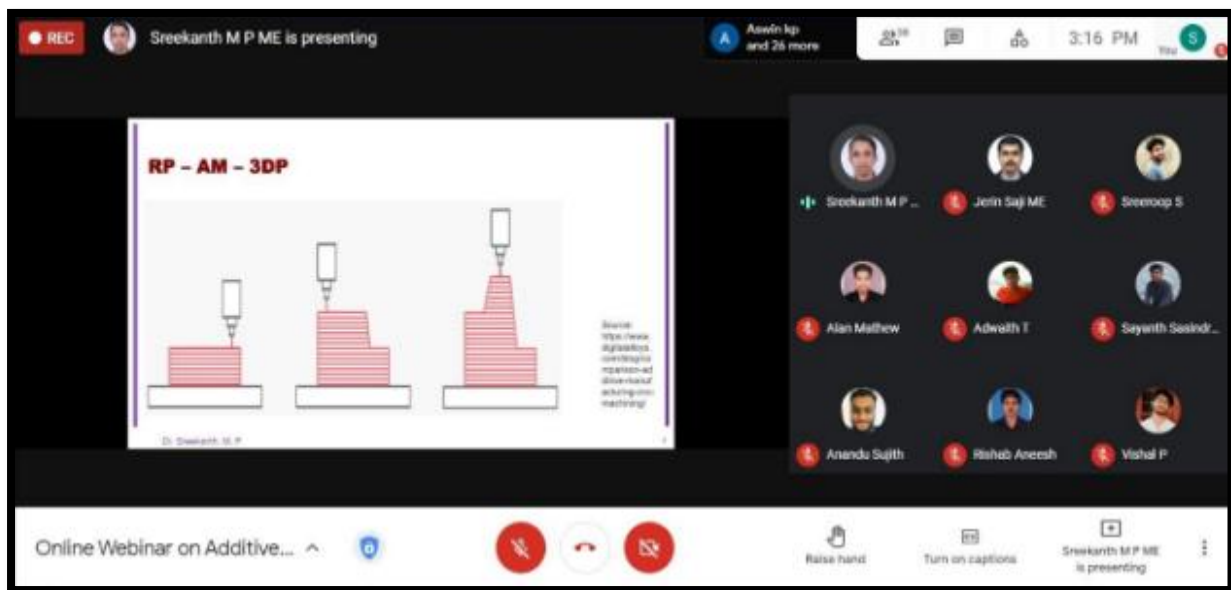
MISSION

- 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

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- Placement
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WEBINAR ON “USER INVOLVED PRODUCT DEVELOPMENT USING ADDITIVE MANUFACTURING”



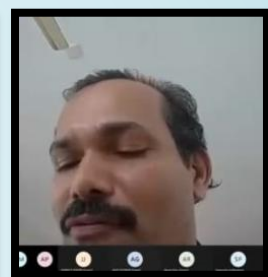
On 03rd of June 2021, Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur organized a webinar on “User Involved Product Development Using Additive Manufacturing” using Google Meet from 03:00 PM to 04:00 PM for Second- & Third-Year Mechanical Engineering students. It was conducted as a curricular gap filling program. The convener of the program was Cdr. (Rtd.) Raju K. Kuriakose, HoD, Department of Mechanical Engineering and was coordinated by Mr. Sivaprasad P V, Mr. Aji Augustine and Mr. Jerin Saji (all Assistant Professors, Department of Mechanical Engineering). The resource person was Dr. Sreekanth M P, Assistant Professor, Department of Mechanical Engineering, Vimal Jyothi Engineering College, Kannur. This session proved to be a curricular gap filling activity for “Advanced Manufacturing Tools and Techniques”. The webinar described the way of incorporating end-users in the product development process and the advantage of customized product development using additive manufacturing.

ONLINE CNC TRAINING



The Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur organized a Career oriented Online CNC Training using Google Meet on 29-06-2021 to 01-07-2021. The training was conducted for S6 ME Students. The convener of the program was Cdr. (Retd.) Raju K. Kuriakose, Head of the Mechanical Engineering Department, VJEC. The training was coordinated by Mr. Shaji George (Assistant Professor, Department of Mechanical Engineering) and Dr. Sivaprasad P (Assistant Professor, Department of Mechanical Engineering). The resource persons were Dr. Sivaprasad P (Assistant Professor, Department of Mechanical Engineering, VJEC), Mr. Shaji George (Assistant Professor, Department of Mechanical Engineering, VJEC), Mr. Biju K J (CNC Technician, Department of Mechanical Engineering, VJEC). Course contents included study and preparation of programming and exercise on CNC lathe-turning, step turning, taper turning, thread cutting, ball and cup turning etc. It also included study and preparation of programming and on CNC milling machine- surface milling, pocket milling, contour milling etc.

FAREWELL TO FINAL YEAR STUDENTS OF MECHANICAL ENGINEERING



A farewell meeting was conducted for 2017-21 batch students, online, on 15-06-2021. Cdr. Raju K. Kuriakose (Retd), Head of Mechanical Engineering Department, VJEC Chemperi, welcomed the participants. Presidential Address was given by Dr. Benny Joseph, the Principal, VJEC, Chemperi. Inaugural address was given by Rev. Fr James Chellamkottu, Manager, VJEC and VJIM. Felicitation Address was given by Mr. Sebastian Puthenpura, (Public Relation Officer , VJEC Chemperi), Class tutors and by faculty of the department. Vote of Thanks was given by Mr. Mejo M Francis, Assistant Professor and Class Tutor.

PROGRAMMES ATTENDED BY FACULTY

Dr. Christopher E Singh (Professor, ME) attended the following programme:

FDP on "Advances in Machining, Manufacturing and Computing Process", organized by Department of Mechanical Engineering, JAIN (Deemed -to-be University), Bangalore, during 24 - 29 May 2021. (6 days).

Mr. Appu C Kurian (AP, ME) attended the following programme:

FDP on "Bioconversion Technologies and Start Up Opportunities in Biofuels Production" Hosted by Silver Jubilee Govt. College (A), Kurnool,A.P., scheduled from 14-18 June 2021 (5 DAYS)-ATAL Academy Sponsored FDP.

Dr. Sreekanth M P (AP, ME) attended the following programmes:

1. Participated & Successfully Completed the AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " MULT-OBJECTIVE OPTIMIZATION AND PRODUCT INNOVATION THROUGH TRIZ (THEORY TO RESOLVE INVENTIVE PROBLEMS)" from 12, July 2021 to 16, July 2021 organized by Department of Mechanical Engineering, Sri Shanmugha College of Engineering and Technology, Sankari, Salem, TN.

2. FDP on "Outcome based education and Accreditation" Organised by Department of Computer Science and Engineering, VJEC, Chemperi on 20-07-2021.

Mr. Gokulnath R (AP, ME) attended the following programmes:

1. FDP on "Industry 4.0 & The digital supply chain" organized by Mechanical Engineering Dept., Mar Athanasius College of Engineering Kothamangalam, from Monday 26th July 2021 to Wednesday 28th July 2021.

2. FDP on "Outcome based education and Accreditation" Organised by Department of Computer Science and Engineering, VJEC, Chemperi on 20-07-2021.

Mr. Jerin Saji (AP, ME) attended the following programme:

FDP on " An Insight to Engineering Fluid Dynamics and Its Applications in Industry" from 26/07/2021 to 30/07/2021 organized by "The Department of Mechanical Engineering, LBS College of Engineering Kasaragod".

FDP SESSIONS PRESENTED

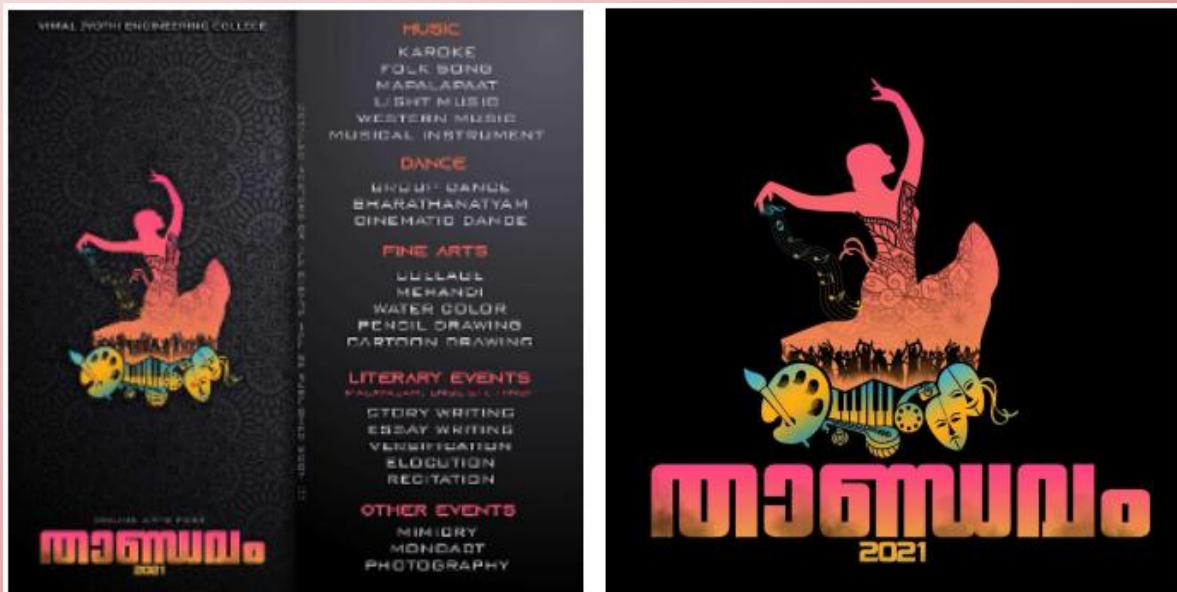
Dr. Sridharan P (Associate Professor, Dept. of ME, VJEC)

- 1) Presented a Topic on "**Robotics and Application**" in **ATAL FDP** on Virtual and Augmented Reality Organized by AEI VJEC on 12-07-21.
- 2) Presented a Topic on "**LaTeX in Research Article Writing**" in FDP organized by Karpagam Engineering on 09-07-2021

Dr. Sreekanth M P (Assistant Professor, Dept. of ME, VJEC)

Served as Resource Person on the topic "Additive Manufacturing: Possibilities of user involved product development" on 12, July 2021 in the KTU Sponsored Online Faculty Development Programme on "Additive Manufacturing & 3D Printing" conducted during 12 - 14, July 2021 organized by Department of Mechanical Engineering, St. Joseph's College of Engineering & Technology, Palai.

THANDAVAM- ONLINE COLLEGE ARTS FEST



The college level Arts fest Thandavam was conducted in the second week of June 2021. This comprised of a wide range of art forms including music, dance, film, fine art, literature, poetry which were held online. The event is expected to commence in the month of June. Students from the department of Mechanical Engineering participated in various events and secured prizes. Mr. Aviradh R N (S2 ME) secured second position in slogan writing competition and third position in Elocution Malayalam.

PAQIC MEETING

Programme Assessment and Quality Improvement Committee meeting was held online on 26-07-2021. The various agenda points discussed were review of Low attainment subject details, review of PO/PSO attainment comparison with courses, review of AY wise & Batch wise comparison of attainment level, review of Course level CO-PO Mapping, recommendation of courses to bridge the curriculum gap – Programs list and status, review, recommendation and suggestions for conducting the courses/training programs with relevance to industrial requirement, proposed by the Course Co-coordinators, suggest CO attainment improvement measures. All the committee members were present for the meeting.

CONGRATULATIONS



Dr. SIVAPRASAD P V

Mr. Sivaprasad P V (Assistant Professor, ME) Completed Ph.D. from NIT, Tiruchirappalli. The title of thesis is ' A comparative study for micro-drilling in Hastelloy-X by using Laser and Laser combined EDM and ECM.'

TOPPERS OF S7 ME UNIVERSITY EXAMINATION



MS. PALLAVI CHANDRAN
SGPA 9.41



MR. DILJITH A
SGPA 8.75



MR. ALEN JOSEPH
SGPA 8.59

TOPPERS OF S8 ME UNIVERSITY EXAMINATION



MR. AKASH RAJU
SGPA: 9.67



MR. ARJUN T
SGPA: 9.67



MS. PALLAVI CHANDRAN
SGPA: 9.5



MR. ABHIRAJ ASHOK P V
SGPA: 9.5



MR. AKASH GOPINATH NAMBIAR
SGPA: 9.5



MR. NITHIN RAJAN K A P
SGPA: 9.42

PLACEMENT: 2017-21 ME BATCH





MS. PALLAVI CHANDRAN

MS. PALLAVI CHANDRAN

MR. AKASH RAJU

MR. ABHIRAJ ASHOK PV

MR. AKASH GOPINATH

MR. AKASH RAJU

MR. AMITHKANTH PV

MR. ADARSH HAREENDRAN

MR. ATHUL PRADEEP

MR. NANDAKUMAR VM

MR. ARUN BALAKRISHNAN A

MR. ARUN T

MS. RADHIKA M

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

Student Editors: Mr. Nived P (S6 ME), Ms. Arya Santhosh (S6 ME)