



**FAMOUS MECHANICAL ENGINEERING  
INVENTIONS - SERIES 4**



**STEAM TURBINES**

A steam turbine is a machine that extracts thermal energy from pressurized steam and uses it to do mechanical work on a rotating output shaft. Its modern manifestation was invented by Charles Parsons in 1884.

**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.

**Inside this issue:**

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- Vision, Mission
- Entrepreneurship Awareness Camp
- Webinar by Avodha Private Ltd.
- Induction Programme for first year students
- PAQIC meeting
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- Paper Publications
- S1 University exam toppers
- Placement
- PEOs
- POs and PSOs

## ENTREPRENEURSHIP AWARENESS CAMP



The Department of Mechanical Engineering organised an ENTREPRENEURSHIP AWARENESS CAMP from 5<sup>th</sup> to 7<sup>th</sup> November 2021. The coordinators of the camp were Cdr. (retd), Raju K Kuriakose, Head of Mechanical Engineering Department and Dr. P Sridharan, Associate professor of Department of Mechanical Engineering. The camp was opened to students from all departments. The number of participants was 65.

Some of the programs held were,

1. Objective, Entrepreneurship Historical background-Indian values vis-a-vis Entrepreneurship and the present scenario by Cdr Raju K Kuriakose (retd) (HoD, ME, VJEC)
2. Mechanism of product selection and technology-assistance from R&D labs and others on choice of technology etc by Mr. Shamin Muth (AP, ME, VJEC)
3. Tech. & commercial Aspects of SSI unit (General concept only) by Dr. Christopher Ezhil Singh (Professor, ME, VJEC)
4. Communication skills (interacting with people) for better results by Dr. P.Sridharan (Associate Professor, ME, VJEC)

## WEBINAR ON “IMPORTANCE OF SOFT SKILL IN PERSONAL AND PROFESSIONAL LIFE. JOB OPPORTUNITIES IN CURRENT MARKET SCENARIO”



The Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur in association with Avodha EduTech Private Limited, organized a Career oriented Webinar on “Importance of soft skill in personal and professional life. Job opportunities in current market scenario” using Google Meet on 19-11-2021 from 2 pm to 3 pm. The webinar was live streamed in the classroom. The session was conducted for fourth year students from the Department of Mechanical Engineering. Forty three students participated in the webinar. The convener of the program was Cdr. (Retd.) Raju K. Kuriakose, Head of the Mechanical Engineering Department, VJEC. The session was coordinated by Mr. Jerin Saji (AP, ME), Mr. Aji Augustine (AP, ME), Dr. Sivaprasad P V (AP, ME) and Mr. Gokulnath R (AP, ME). The resource person was Ms. Suhaila Hashim, Assistant General Manager of Avodha and Career Expert.



## INDUCTION PROGRAMME FOR FIRST YEAR STUDENTS



Student induction programme was conducted for first year students of 2021-25 batch by KTU, from 22-10-2021 to 27-11-2021. The sessions were

1. Inauguration and academic regulations by Vice Chancellor, Pro Vice Chancellor, Prof. Dr. Vinodkumar Jacob (Syndicate Member) and Dean (Academic)
2. Talk by Sri. Manoj Abraham IPS, Additional Director General of Police, Kerala State.
3. Talk by Smt. R. Sreelekha IPS (Retd. Director General, Fire and Rescue Services, Kerala State) on Safety of Youth.
4. Talk by Dr. Arun B. Nair, Psychiatrist, Govt. Medical College, Trivandrum on Psychosocial Competence.
5. Talk by Dr. S. Somanath, Director, VSSC on Possibilities of Engineering Domains.
6. Talk by Smt. K. K. Shailaja Teacher

## “RETROSPECT’ 21”- DEPARTMENTAL ALUMNI MEET

The poster features the Vimal Jyothi Engineering College logo at the top center, with the text 'VIMAL JYOTHI ENGINEERING COLLEGE' and 'CHEMPERI, KANNUR DT., KERALA' to its right. Below the logo, it reads 'Department of Mechanical Engineering Organizes an Online Alumni Meet'. The event title 'RETROSPECT- 21' is prominently displayed in green, with the tagline 'Connect to reconnect.' underneath. The date 'FRIDAY, 26 NOVEMBER 2021' is shown in a calendar icon. A clock icon indicates the time '08:00 PM to 09:00 PM'. The Google Meet link 'meet.google.com/mtz-rqie-uex' is provided. The coordinators listed are Mr. Ryne P M, Mr. Dilin Dinesh, and Mr. Midhun Mukundan M K. The convenor is Cdr. (Retd.) Raju K Kuriakose, HoD, ME. The background includes silhouettes of people celebrating and a city skyline.

**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
CHEMPERI, KANNUR DT., KERALA

Department of Mechanical Engineering  
*Organizes an Online Alumni Meet*

**RETROSPECT- 21**  
Connect to reconnect.

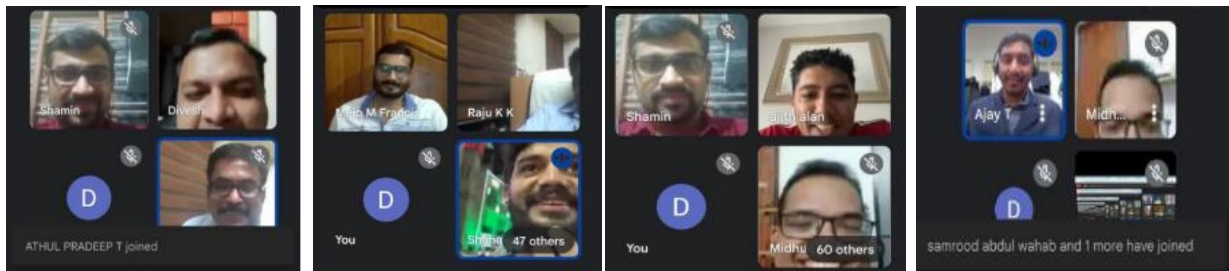
**FRIDAY, 26 NOVEMBER 2021**

**Coordinators**  
Mr. Ryne P M, (Assoc. Prof., ME)  
Mr. Dilin Dinesh, (AP, ME)  
Mr. Midhun Mukundan M K. (AP, ME)

**Convenor**  
Cdr. (Retd.) Raju K Kuriakose  
HoD, ME

08:00 PM to 09:00 PM

Google Meet  
[meet.google.com/mtz-rqie-uex](https://meet.google.com/mtz-rqie-uex)



The Department of Mechanical Engineering, Vimal Jyothi Engineering College, organized an Online Alumni Meet “RETROSPECT’ 21” on 26 November 2021. The meeting was conducted on Google Meet platform from 08:00 PM to 09:30 PM. Dr. Benny Joseph, Principal, Vimal Jyothi Engineering College was the chief guest of the event. Mr. Shaminmuthu K K, Assistant Professor, Department of Mechanical Engineering welcomed everyone to the meeting. He explained about the importance of Alumni Interaction, Alumni support to the college and alumni association activities. The function was presided over by Cdr. (Retd.) Raju K Kuriakose, HOD, Department of Mechanical Engineering. He inaugurated the function and also gave a talk on “The Importance of Alumni Meet”. In his speech he appreciated the alumnus for the career success and insisted the alumnus for facilitating on Industry Interaction. More than 80 alumni attended the function. Many of the alumni of Department of Mechanical Engineering, Vimal Jyothi Engineering college are in very good position in different government offices and reputed top organisations in India and abroad. The session was concluded by vote of thanks delivered by Mr. Dilin Dinesh, Assistant Professor, Department of Mechanical Engineering, faculty in charge, Department Alumni Association.

## **PROGRAMME ASSESSMENT AND QUALITY IMPROVEMENT COMMITTEE MEETING**

The 8th PQIAC meeting was held on 30.10.2021 at 09.30am. All the PQIAC members attended the meeting to discuss the agenda points.

Agenda Points of PQIAC meeting 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.

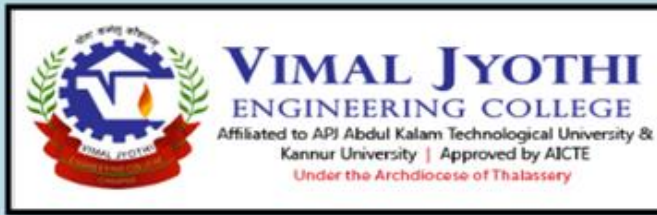
## **PROGRAMMES ATTENDED BY FACULTY**

1. Mr. Ryne P M, Associate Professor, Department of Mechanical Engineering, VJEC attended 3 days workshop on CFD using Ansys Fluent From 18/11/2021 to 20/11/2021 at VIT, Andhra Pradesh.
2. Dr. Sreekanth M P, Assistant Professor, Department of Mechanical Engineering, VJEC, attended One Day Workshop on "NAAC and NBA Accreditation" organized by "EduCorp Centre for Research and Advanced Studies" on 14th November 2021, online.

## **PAPER PUBLICATIONS**

1. Dr. S.Christopher Ezhil Singh (Professor, ME), published paper (2021) "Influence of AZ91 Alloy Reinforced with Nano B4C particles on Microstructural Characterization, Mechanical and Tribological Properties prepared Through Powder Metallurgy". Material Research Express, IOP Science, Vol.8, pp.1-9, I.F:1.62. (SCI Indexed) I.F:1.62
2. Dr. S.Christopher Ezhil Singh (Professor, ME), published paper (2021) "Sports Utility Vehicle Prediction based on Machine Learning Approach", Journal of Applied Research and Technology, Vol.19, pp.184-193. (Scopus Indexed)





## DEPARTMENT OF MECHANICAL ENGINEERING CONGRATULATIONS

S1 UNIVERISTY EXAM TOPPERS (2020-24 BATCH)



MR. NIRMAL DEV P  
SGPA: 10



MR. VYSHNAVR  
SGPA: 9.59



MR. SRINAND S  
SGPA: 9.32

## PLACEMENT

**Congratulations!!**

The following students of S7 ME (2018-22 batch) are placed in  
Tata Consultancy Services (TCS)



MS. ARYA SANTHOSH



MR. SHAHIN GAFOOR



MR. SARANG MANOJ

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

*Student Editors: Mr. Nived P (S7 ME), Ms. Arya Santhosh (S7 ME)*