



VIMAL JYOTHI ENGINEERING COLLEGE. CHEMPERI *MECHNOVA*



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KNOW A FAMOUS MECHANICAL ENGINEER-SERIES 7



Willis Haviland Carrier (November 26, 1876 - October 7, 1950) was an American engineer, best known for inventing modern air conditioning. Carrier invented the first electrical air conditioning unit in 1902. In 1915, he founded Carrier Corporation, a company specializing in the manufacture and distribution of heating, ventilation, and air conditioning (HVAC) systems.

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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WELCOME OUR NEW MANAGEMENT TEAM MEMBERS



Vimal Jyothy Family cordially welcomes our new management team members Rev. Fr James Chellamkottu, Manager, VJEC and Rev. Fr Subin Rathapally, Warden, VJEC.

TEN DAYS BIMLABS TRAINING



A MOU was signed by the college with BIMLABS Engineering services, Trivandrum. To make the students familiar with the concepts and applications in the field of BIM, a ten days training is being conducted for the students of third and fourth semester of the Department. Building information Modelling is an emerging field where the students can do their specialization in the field of building construction. At the end of the training students are be able to design and implement the electrical and mechanical systems inside a building using Revit software which is the future of building construction. The training was conducted during a period from 23-03-2019 to 12-05-2019.

SUMMER AT VJEC – ROBOTICS



To make the school students familiar with the field of robotics, a workshop on Robotics was conducted by the Department of Mechanical Engineering under the program Summer at VJEC on 20th and 21st May 2019. Students from eighth, ninth and tenth standards of various schools attended the program and gave very positive feedback regarding it. The admission was completely free of charge. In addition to robotics an introduction to 3D modelling software was also provided to students.

Robots have always been a captivating piece of technology, programmable to move, make noise, light up, and follow instructions as directed. There is nothing quite as fun — and educational — as building one's own robot and setting it through the paces of a race, an activity or a challenge. Knowledge on robotics encourage problem-solving, creative thinking, and a healthy sense of competition that drives innovation from students.

SUMMER AT VJEC- AUTOTECH



As a part of Summer at VJEC, a class on Automobile technology, was provided for high school students on 20th and 21st May 2019. The program witnessed the participation of large number of students from various schools. The main attractions of the program were:

- 1) Introduction to Society of Automotive Engineers (SAE) club
- 2) Introduction to basics of Automotive engineering
- 3) Classes on disassembling and reassembling of automobile parts.

The various sessions were handled by Mr. Jestin C Jose, Assistant Professor and Mr. Robin C R, Trade instructor, Department of Mechanical Engineering.

TECHNOLOGY REFRESHER PROGRAM ON ONLINE VIDEO CONTENT PREPARATION



To enhance the faculty in preparation of online videos, a technology refresher program was conducted by the Department on 17-05-2019. Mr. Shaminmuth K K, Assistant Professor, Department of Mechanical Engineering conducted the session. The session was opened for faculty from all departments.

Session included:

1. Introduction to better video making and sound recording
2. Analysis of Online Trends in the field
3. Introduction to Wonder share Filmora and Video Scribe
4. Introduction to Unacademy and freelance teaching opportunities

Hybrid or blended learning — where students utilize a mix of online and on-campus resources — is an attractive option for many students, especially those who live within reasonable distance of campus but still require the flexibility that comes with online classroom attendance. By taking a combination of both online and in-person classes, students can balance the convenience and accessibility of online attendance with access to campus resources, including professors, libraries, and fellow classmates.

TECHNOLOGY REFRESHER PROGRAM ON 3D PRINTING



A technology refresher program on 3 D printing was conducted by the Department of Mechanical Engineering on 24-05-2019. Mr. Lince Thomas, Assistant Professor and Mr. Anil Johny, Technician from the Department conducted the session. The session was opened for faculty from all departments.

Session included:

1. Introduction to 3D printing technology
2. Procedure of 3D printing
3. Demonstration of 3D printing

3D printing creates parts by building up objects one layer at a time. This method offers many advantages over traditional manufacturing techniques. 3D Printing is unlikely to replace many traditional manufacturing methods yet there are many applications where a 3D printer is able to deliver a design quickly, with high accuracy from a functional material.

FAREWELL TO OUR OUTGOING BATCH (ME 2015-19)



There are no goodbyes for us. Wherever you are, you will always be in our hearts.

JOURNAL PAPERS PUBLISHED

1. Dr. S. Christopher Ezhil Singh, Professor, Department of Mechanical Engineering, published a paper on **Optimization on Tribological Behaviour of Milled Nano-B4C Particles Reinforced with AZ91 Alloy through Powder Metallurgy Method**, in *Transactions of the Indian Institute of Metal, Springer*.
2. Dr. P Sridharan, Associate Professor, Department of Mechanical Engineering, published paper on **Transmission power line fault detection based on deep learning methods** in *Indian Journal of Power and River Valley Development*.

FDPs ATTENDED

1. Mr. Lince Thomas, Assistant professor, Department of Mechanical Engineering attended two week faculty development programme on **Recent trends in Solar Energy Technologies for Sustainable Development** at NIT Tiruchirappalli.
2. Mr. Gokulnath R, Assistant professor, Department of Mechanical Engineering attended KTU sponsored five days faculty development programme on **Interactive Learning Modules for Innovative Pedagogy in Circuits and Electronics** from 27-05-2019 at Vimal Jyothi Engineering College, Chemperi.

FAREWELL TO OUR BELOVED MANAGEMENT TEAM MEMBERS



Fr. Dr. Thomas Melvettath Fr. Jinu Vadakkemulanjanal Fr. Vipin Vemmenikkattayil

Our beloved Chairman Fr. Dr. Thomas Melvettath, Administrator Fr. Jinu Vadakkemulanjanal and San Jose Hostel Warden Fr. Vipin Vemmenikkattayil are relieving from the institution. We honour you dear fathers...

ADIEU OUR RELIEVING FACULTY



Mr. Anand C (AP, ME)



Ms. Rohini Vijayan (AP, ME)

Best wishes for your future...

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. Hari Prasad M K & Mr. Gokulnath R

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