



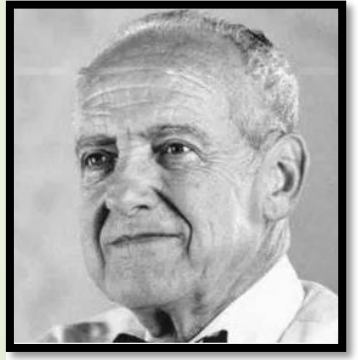
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI



DECEMBER 2019
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MECHNOVA

KNOW A FAMOUS MECHANICAL ENGINEER-SERIES 10



NATHANIEL WYETH

Nathaniel C. Wyeth (October 24, 1911 – July 4, 1990) was an American mechanical engineer and inventor. Wyeth held a bachelor's degree in mechanical engineering from the University of Pennsylvania. He is best known for creating polyethylene terephthalate that could withstand the pressure of carbonated liquids. Made of recyclable PET plastic, lighter than glass and virtually unbreakable, Wyeth's invention is used widely today for both carbonated and non-carbonated drinks.

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:

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- Vision, Mission
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- Seminar on Research Methodology
- Rendezvous with Lori beer- global CIO, JP Morgan
- One day workshop on supply chain operation simulation
- 5 days workshop on "CREO Modelling software
- Training in EDGE CAM
- One day workshop on introduction to stress strain analysis using FEM software
- Paper Publication
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AN INVITED TALK ON ENTREPRENEURSHIP JOURNEY



The Department of Mechanical Engineering of Vimal Jyothi Engineering College, Chemperi conducted a talk on Entrepreneurship on 4th October 2019 at 9.00 am at Varikatt Hall. The session was handled by Mr. M T P Mohammed Kunhi, Managing Director, Sulfex Mattress Company, Kannur. Cdr (retd.) Raju K Kuriakose , Head of the Mechanical Engineering Department, delivered the welcome note. Dr. T D John, Professor of the department and Research Dean of the institute delivered his address. Dr. Benny Joseph, the Principal, VJEC, Rev Fr Bibin Varambakom, the administrative assistant of the institute, Mr. Sebastian Master, the institute PRO, faculty from all the departments and students of the department were present for the session. More than just an invited talk, the session proved to be an interactive session with students. The main topic of the talk was on how to be a successful entrepreneur and how to study from our failures. The guest mentioned the importance of developing life skills in one's life. He shared his view on how a manager should be and how one should treat his subordinates in an organisation.

KNOWLEDGE ENHANCEMENT SEMINAR ON MEP



The Department of Mechanical Engineering together with Alpine Coach Tree (ACTMEP), Kannur conducted a two hours seminar on Knowledge Enhancement on MEP for final year Mechanical Engineering students at Varikattu hall on 02-11-2019. The convener of the event was Cdr (retd.) Raju K Kuriakose, the Head of Mechanical Engineering Department. The co-conveners were Mr. Alex George and Mr. Gokulnath R, Assistant Professors of the department. The resource persons were Mr. Vinod Balakrishna Freelancer- MEP Head and Mr. G K Santhosh Kumar: MEP-Staffing Consultant. The objective of the seminar was to develop technical skills and qualifications as a Mechanical Engineer in the field of MEP to make significant contribution to industry with strong work ethics and diligence. The session also proved as a gap filling activity for the courses ME401 Design of Machine elements I and ME402 Design of Machine elements II.9 The seminar helped the students to develop skills to design or analyse mechanical, electrical, plumbing and related systems for installation on commercial construction projects.

SEMINAR ON RESEARCH METHODOLOGY



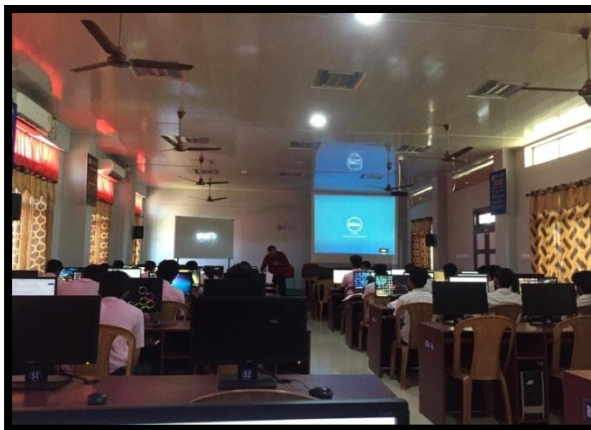
The Department of Mechanical Engineering, VJEC conducted a one day seminar on Research Methodology for final year Mechanical Engineering students under the guidance of Cdr (retd.) Raju K Kuriakose, Head of Mechanical Engineering Department on 14-11-2019 at 10 am. The resource persons were Dr. T D John (Professor, ME and Research Dean of VJEC) and Dr. S Christopher Ezhil Singh (Professor, ME). The conveners of the event were Mr. Niyas K M (Assistant Professor, ME) and Mr. Gokulnath R (Assistant Professor, ME). The program was conducted as a curriculum gap filling activity for the course 'ME51 Seminar and Project Preliminary'. The seminar aimed at making the students aware of the field of research, journal paper writing and conference presentation. The seminar also included a session on project report writing, which will be beneficial for the students for their project report submission as part of their academics.

RANDEZVOUS WITH LORI BEER- GLOBAL CIO, JP MORGAN



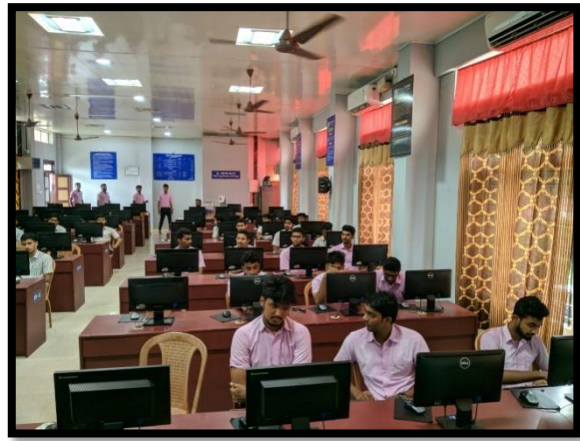
IIT Bombay conducted "Rendezvous with Lori Beer, CIO JP Morgan Chase" at Vimal Jyothi Engineering College, Chemperi which is a remote centre. This course was conducted on 5th November 2019. Mr. Johny P Josph (Assistant Professor, Dept. Of Mechanical Engineering) coordinated the event. Students from the Department attended the session. Lori Beer is the Global Chief Information Officer (CIO) of JPMorgan Chase & Co. and a member of the company's Operating Committee, responsible for the firm's technology systems and infrastructure worldwide. Beer manages a budget of more than \$11 billion and over 50,000 technologists supporting JPMorgan Chase's retail, wholesale and asset and wealth management businesses. She also serves as the co-sponsor of the firm's Access Ability Business Resource Group.

ONE DAY WORKSHOP ON SUPPLY CHAIN OPERATION SIMULATION



A one day hands on workshop on supply chain operation simulation has been conducted at Vimal Jyothi Engineering College, Chemperi on 02/11/2019. This workshop is a hands on training using Supply Chain Role Play Game developed at NIT Calicut. Dr. V. Madhusudanan Pillai, Professor, Department of Mechanical Engineering, NIT Calicut, was the facilitator. The workshop started at 9.00 am. On the inaugural function, Cdr (retd.) Raju KK (HOD, ME) welcomed everyone to the workshop. In his address, he emphasized the role of Supply Chain Management in the current world scenario. Dr. T D John (Dean Research, VJEC) also addressed the students. In the first section of the workshop, facilitator described certain basic idea about supply chain management. In the remaining sessions the students grouped into 7 groups of 4 members each and the Simulation Game was conducted. The facilitator conducted the game with different operation scenario.

5 DAYS WORKSHOP ON “CREO MODELLING SOFTWARE”



As part of evolving the skillset of current S7 ME (A&B) students ME Department in association with the Acuwin Innovations Pvt. Ltd. organised 5days'workshopat college on the following days - 26 & 27 Oct 2019, 13 to 15 Nov. 2019. The Day - 1session started by 9:00 AM and began with the welcome speech by Mr Jestin.C.Jose (Assistant Professor, ME), followed by introduction of the trainers Mr.Vishnu M.V (Sr. Design Engineer), Mr. Midhun J Prakash (Jr. Design Engineer)& Mr. Abhijith J.S (Jr. Design Engineer) Around 58 students have registered for the training. The trainersthen gave an introduction on CREO and its history in design field followed by association with other establishments and the projects undertaken by them involving the use of CREO.

TRAINING IN EDGE CAM IN ASSOCIATION WITH KRIATECH SERVICES



The Department of Mechanical Engineering, VJEC in association with Kriatech Services Pvt.Ltd, Chennai conducted a five day workshop on CNC Programming and Edgcam Software training for Fifth semester Mechanical Engineering students under the guidance of Cdr. (retd.) Raju K Kuriakose, Head of Mechanical Engineering Department on 19-11-2019 at 10 am. The resource persons were Mr. Vijikumar, (Application Manager Kriatech Services Pvt. Ltd) , Mr. Biju K J (CNC Trainer, ME Dept.) and Mr. Shaji George (Assistant Professor, ME Dept.). The program was conducted as a curriculum gap filling activity for the course 'ME 303 Machine Tools and Digital Manufacturing'. The Workshop aimed at making the students aware of the field of CNC Programming, Part modelling and Part Programme generation using Edgcam software as part of their academics.

ONE DAY WORKSHOP ON 'INTRODUCTION TO STRESS STRAIN ANALYSIS USING FEM SOFTWARE'



The Department of Mechanical Engineering, VJEC conducted a one day workshop on introduction to stress-strain analysis using FEM Software for second year Mechanical Engineering students under the guidance of Cdr (retd.) Raju K Kuriakose, Head of Mechanical Engineering Department on 16-11-2019 at 9 am. The resource person was Mr. Johny P Joseph (Assistant Professor, ME VJEC). The coordinator of the event was Mr. Aji Augustine (Assistant Professor, ME). The program was conducted as a curriculum gap filling activity for the course 'ME201 Mechanics of solids and the ME-202 Advanced mechanics of solids. Solid mechanics is the fundamental area of stress strain analysis, dynamics and mechanism design and machine design.

PAPER PUBLICATIONS

Dr.P.Sridharan, Associate Professor, Department of Mechanical Engineering, VJEC published a paper on
'Fuzzy based Vibration Control in Small Hydroelectric Power Plants'

in

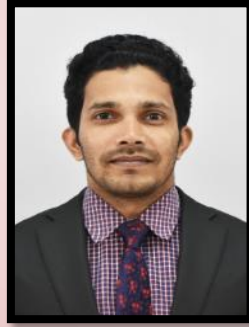
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PLACEMENT



Congrats Mr. Samrood Abdul Wahab for being placed in IBS Software Ltd.

ADIEU OUR RELIEVING FACULTY



MR. JITHINMON

Best wishes for the 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. Gokulnath R, Mr. Melbin Benny

Student Editors: Ms. Aswathi Manoharan, Mr. Samrood Abdul Wahab