



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI *MECHNOVA*



AUGUST 2019
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KNOW A FAMOUS MECHANICAL ENGINEER-SERIES 8



Thomas Midgley Jr. (May 18, 1889 – November 2, 1944) was an American mechanical and chemical engineer. He grew up in Columbus, Ohio, and graduated from Cornell University in 1911 with a degree in mechanical engineering. He played a major role in developing leaded gasoline (Tetraethyllead) and some of the first chlorofluorocarbons (CFCs), better known by its brand name Freon; both products were later banned due to concerns about their impact on human health and the environment. He was granted more than 100 patents over the course of his career.

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
- Graduation Day
- Jyothirgamaya 2019
- Merit Day
- Student achievements
- Induction program for our new students
- ICTCEES 2019
- FDP on Nano Materials
- Summer internship Training on CATIA 3D modelling Software
- Skill development workshop on CNC
- Faculty Achievement
- FDPs attended
- Conferences attended
- Welcome our new Faculty
- Adieu our relieving Faculty
- PEOs
- POs and PSOs

GRADUATION DAY





The Graduation day of 2015-19 batch was conducted on 23-07-2019. The events began with an Academic Procession. Dr. Benny Joseph, Principal, Vimal Jyothi Engineering College welcomed the gathering. Dr. Sivaji Chakravorti, Director, NIT Calicut was the chief guest of the function. His Grace Mar Joseph Pamplany, Chairman of Vimal Jyothi Institutions, Auxiliary bishop of Thalassery Archdiocese gave the opening address. Rev. Fr. James Chellamkottu, Manager Vimal Jyothi Institutions delivered his honouring address. Rev. Fr. George Asarikunnel, Bursar, VJEC lead the pledge taking ceremony by the graduate engineers. HODs and staff from all the departments were present for the event. The presence of graduate engineers with their parents made the event a very proud moment for the institute.

JYOTHIRGAMAYA 2019



Vimal Jyothi Engineering College, Chemperi welcomed our first year students of 2019-23 batch with a celebration of glory and pride on 24-07-2019 . Msgr. Mathew M Chalil, the Foudrer Chairman of VJEC, inaugurated the function. Rev Fr James Chellamkottu, Manager, VJEC welcomed the gathering. Dr. Benny Joseph, Principal, VJEC, presided the event. Mr. M T Madhusoodanan, PTA vice president delivered the felicitation. Rev.Fr. George Asarikunnel, Bursar, VJEC lead the pledge taking ceremony. Prof. Jomy Jose, the event Coordinator, delivered the vote of thanks.

MERIT DAY 2019



With the intention of honouring our students who have excelled in the fields of academics, sports, arts and other co curricular activities, a Merit day was conducted on 24-07-2019. The prizes were distributed to these students. The faculty of VJEC were also honoured for their best performances in creating excellent academic results in the university examinations. Msgr. Mathew M Chalil, the Foudrer Chairman of VJEC, inaugurated the function. Rev Fr James Chellamkottu, Manager, VJEC, Dr.Benny Joseph, Principal, VJEC, Mr. M T Madhusoodanan, PTA vice president, Rev.Fr.George Asarikunnel, Bursar, VJEC, Rev Fr Bibin Varambakom, Mr. Adarsh Mohan, Student union chairman and Prof. Jomy Jose gave their speech in the function. Dr. T D John, Research Dean, was present for the function.

CONGRATS OUR MERITORIOUS STUDENTS....

S8ME A



VAISHAKH P

CGPA 9.02



SABIN SURESH N

CGPA 8.13



AVINASH S PRAMOD

CGPA 8.10

S8ME B



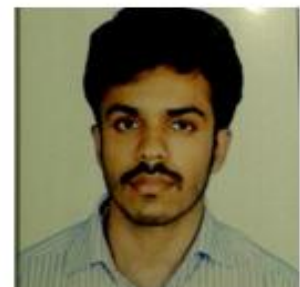
AJITH TOM

CGPA 8.6



ASHISH PRAKASH

CGPA 8.45



ASWIN K C

CGPA 8.27

S6 ME A



RITHIK LAL
CGPA - 8.76



AMALDEEP C
CGPA - 8.47



AKSHAY RAJAN
CGPA - 8.41



IDITHSAJ.P.T
CGPA - 8.41

S6 ME B



SAMROOD ABDUL WAHAB

CGPA: 8.73



ZAINUDHEEN M C

CGPA: 8.56



ASHIL TOMY

CGPA 8.28

S4 ME A



PALLAVI CHANDRAN

CGPA 9.13



ABHIRAJ ASHOK PV

CGPA 8.44



JITHIN K

CGPA 8.27

S4 ME B



AMITHKANTH

CGPA 9.19



AKASH RAJU

CGPA 9



ARJUN T

CGPA 8.85

S2 ME A



ALAN SEBASTIAN

CGPA 8.63



NITHIN RAJ

CGPA 8.48



HARISHANKAR

CGPA 8.24

S2 ME B



SANDRA MARIA SAJY

CGPA 9.24



NIVED P

CGPA 8.85



ANAND K

CGPA 8.76

STUDENT ACHIEVEMENTS

- Congrats Mr. Kiran Mathew (S7 ME A) and Mr. Sonu T Shaji (S7 ME A), for their achievement of first and third positions respectively, in Pixel videography contest.
- Congrats Mr. Prince Prasad (S7 ME) and Mr. Amaldeep C (S7 ME), for their achievement in the field of sports.

BOOT CAMP/INDUCTION PROGRAMME FOR OUR NEW STUDENTS



The first year students are being given orientation classes so as to make them familiar with engineering education and also to improve their overall personality and attitude. Both external and internal faculty are providing classes for them on various topics both in academic and in general. Cdr.Raju K K, Head of the Department addressed the students. He gave an insight, on the future scope of engineering, to students. He also explained how they have to lead their academic life so as to come out with flying colours. An introduction to robotics and the importance of robotics and artificial intelligence in Mechanical Engineering branch was provided by Mr. Sunil Paul, Associate Professor. A one day industrial field trip was provided to students by the college. A seminar on 3D printing was offered by Mr.Lince Thomas, Asst. Professor of the Department. A one day field trip to Paithal Mala Hill Station was offered to students, to understand the nature and importance of natural resources and learning the concept of sustainable engineering. The class tutors accompanied them for the trip.

ICTCEES 2019



The Department of Mechanical Engineering conducted “International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)” 11th & 12th July 2019. Dr. Mohammed AL-Saidi (Professor, College of Applied Sciences-Sohar, Ministry of Higher Education Oman) inaugurated the conference. Mr.Barundeb Raha, General Manager (R&D, Metallurgy), Peekay Steel Castings(P) Ltd., Calicut, was the guest of honour. Cdr. Raju K K (Retd.) HOD ME, welcomed the dignitaries. Rev Fr James Chellamkottu, Manager, VJEC, Dr.Benny Joseph, Principal, and Fr. George Asarikunnel, Bursar ,VJEC were present for the function. The felicitation address was given by Dr. T D John (Dean Research, VJEC). Dr. Christopher EZhil Singh (Professor, Department of Mechanical Engineering) coordinated the event. Dr. T D John, Research Dean, was present for the function. The conference witnessed the participation of large number of researchers, faculty and students for paper presentation.

FDP ON NANO MATERIALS



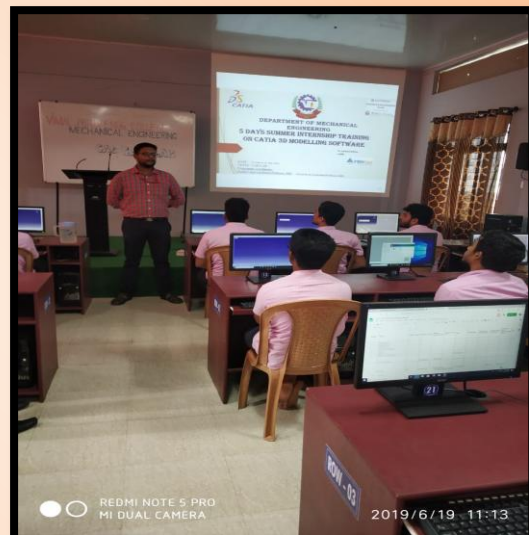
KTU sponsored five days faculty development PROGRAMME on 'Emerging Areas in Nano materials and its Application', was conducted by the Department of Mechanical Engineering which commenced on 24th June 2019. Dr.Balaprasad Ankamwar, Dr.Nygil Thomas, Dr.Kaviya Somasundaram, Dr.G.S.Hikku, Dr.Gurumurthy Hegde, Dr.Nishanth K G and Dr.A.Subramania were the resource persons. The topics covered are Synthesis of graphene, conducting metal nano composites, Semiconductor nano materials and their applications, Synthesis of Magnetic Nano particle, Heterogeneous catalysis, Electro Chemistry, Solution combustion synthesis, Synthesis of nonmaterial Lab Practice, XRD characterization, SEM, TEM characterization, 1D & 2D Nano structured Materials for Li-ion and Na-ion batteries, Solar Cells, Hybrid and Micro-Super capacitors. The FDP witnessed the participation of faculty members from engineering colleges all over Kerala.

SKILL DEVELOPMENT WORKSHOP ON CNC



The Department of Mechanical Engineering organized 5 Days Skill Development Workshop on CNC Programming & Operations of CNC LATHE. Mr. Shaji George (Assistant Professor, ME) coordinated the workshop. The course contents were Introduction to CAD Software, Skill Development in 2D Drawings in Auto CAD & 3D Modeling, Introduction to G-Codes and M-Codes, Introduction to CNC Part Programming, Fanuc Programming Structure Practical Training on CNC production Center, Programming incorporating cutter radius compensation, parts of CNC VMC & CNC Lathe, Machine control panel options FANUC oi-Mate MD and Operating modes in CNC – Jog / MDI Mode.

SUMMER INTERNSHIP TRAINING ON CATIA 3D MODELLING SOFTWARE



The Department of Mechanical Engineering organized 5 Days Summer Internship Training on Catia 3D Modelling software. It was conducted for S6 ME Students from 19 June 2019 to 23 June 2019 . Mr. Jestin.C.Jose (AP,ME) & Mr. Dilin Dinesh (AP,ME) coordinated the program.

FACULTY ACHIEVEMENT

These thirteen faculty of Department of Mechanical Engineering received award for producing outstanding result in the KTU exams held in April/December 2018



- Cdr(retd) RAJU K K (HOD, ME)
- Mr. DENNY J OTTARAKAL
- Mr. DILIN DINESH
- Mr. GOKULNATH R
- Mr. HARI PRASAD
- Mr. JESTIN C JOSE
- Mr. JITHIN MON T V
- Mr. JOHNEY P JOSEPH
- Mr. MEJO FRANCIS
- Mr. MELBIN BENNY
- Mr. NIYAS K M
- Mr. SHAJI GEORGE
- Mr. SHAMIN MUTH KK

PAPER PUBLICATIONS

Dr. P Sridharan, Associate Professor, Department of Mechanical Engineering, presented paper on 'Grid frequency regulation by hybrid system using energy storage system' in *Indian journal of power and river valley development* ,Volume 69 No. 7 & 8 Year 2019

FDPs ATTENDED

The faculty members of the Department of Mechanical Engineering attended the KTU sponsored five days faculty development programme on 'Emerging Areas in Nano materials and its Application', which was conducted by the Department of Mechanical Engineering, commenced on 24th June 2019.

CONFERENCES ATTENDED

The faculty members of the Department of Mechanical Engineering attended and presented papers in "International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES-2019)" conducted by the department on 11th & 12th July 2019.

WELCOME OUR NEW FACULTY



DR. T D JOHN

Hearty welcome to you Sir, as the Dean Research of the institute and Professor in the Department of Mechanical Engineering.

ADIEU OUR RELIEVING FACULTY



MR. HARIPRASAD M K

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