

Department organized events:
Webinar on Engineering Drawing Practices for Technocrats

Mechanical Engineering Department has organised a webinar on Engineering Drawing Practices for Technocrats on 16/05/2020 with the support of Dr. K.L. Narayana, Engineering Drawing Author and Retired S.V. University Professor. The speaker has discussed the advantages of converting to CAD Drawing over the Conventional Drawing Practices he also explained both conventional and CAD DRAWING must go hand in hand to use the Engineering Drawing in an effective way

Total of 835, Faculty from across the Nation have participated in the webinar



A Webinar Report on E- Vehicles for Sustainable Transportation

Mechanical Engineering Department has organised a webinar on E- Vehicles for sustainable transportation on 14/05/2020. Dr. R. Thundil Karuppa Raj, Professor, Head Automotive Engineering, VIT University. The developments happening in E- Vehicle over the conventional vehicles are discussed in detail during the webinar.

Total of 750, Faculty from across the Country have participated in the webinar.



A Webinar on Preparing Ourselves to Meet Post Covid Academic Challenges

Mechanical Engineering Department has organised a webinar on Preparing Ourselves to Meet Post Covid Academic Challenges on 06/06/2020. Dr. Anand A Samuel, Vice Chancellor of VIT University, Vellore., is invited as speaker and addressed the faculty, academic heads and principals of various academic institutions regarding the academic challenges that may arise due to covid pandemic and how to resolve during the interaction the speaker has stressed and the importance of use of online tools for effective delivery on E-Content.

Total 735, Faculty from various states have participated in the webinar



Work shop /FDP Attended:

- Dr.T.Suneel Kumar Attended a FDP on Recent Advancements in Mechanical Engineering in BIET Engg College, Hyderabad from 22/06/2020 to 26/06/2020
- Dr.T.Suneel Kumar Attended a FDP on Emerging Technologies in Robotics in MEC (Autonomous) Engg College, Secunderabad from 22/06/2020 to 26/06/2020.
- Dr.T.Suneel Kumar Attended a FDP on Course structuring, Teaching and Evaluation in HEI as per OBE in ISTE MEC, Secunderabad from 11/06/2020 to 17/06/2020.
- Dr.T.Suneel Kumar Attended a FDP on Characterization of Composite materials in LIMAT, Engg College Nunna from 25/05/2020 to 29/05/2020
- Dr.T.Suneel Kumar Attended a FDP on Mathematica Software-Hands on Experience in Dept of Mathematics SEC, Nandyal from 28/05/2020 to 02/06/2020
- Dr.Ch.Sreenivasa Rao Attended a FDP on Computational Fluid dynamics in BVM in association with IIIT-A Agarthala, from 18/06/2020 to 20/06/2020
- Dr.Ch.Sreenivasa Rao Attended a FDP on Emerging Technologies in Mechanical Engineering in VIT, GUNTUR from 26/05/2020 to 30/05/2020
- Dr.Ch.Sreenivasa Rao Attended a FDP on Innovation and research Trends in Mechanical Engineering in KHIT Engg College Guntur from 18/05/2020 to 22/05/2020
- Dr.Ch.Sreenivasa Rao Attended a FDP Disruptive Technologies in Mechanical Engineering in SISIT Engg College Hyderabad from 08/06/2020 to 13/06/2020.
- Mr M. Mahendra Babu Attended a FDP Advanced NDT techniques & Applications in Industry in QIS CET Engg College Ongole from 25-05-2020 to 29-05-2020

- Mr M. Mahendra Babu Attended a FDP Emerging Technologies in Mechanical Engineering in VIT Engg College P.Kothakota from 26/05/2020 to 30/05/2020
- Mr Ch. Mani Kiran Attended a FDP Recent Advancements in Mechanical Engineering in BIET Engg College Hyderabad from 22/06/2020 to 26/06/2020.
- Mr Ch. Mani Kiran Attended a FDP Solid Edge in Mechanical Engineering in APSSDC AP, Vijayawada, from 01/06/2020 to 13/06/2020.
- Mr. Yantrapati Murali Krishma Attended a FDP "Preserving Environment – Eco friendly Systems" in Vemu Institute of Technology in P.Kothakota, Chittoor Dist., Andhra Pradesh from 15-06-2020 to 19-06-2020
- Mr. Yantrapati Murali Krishma Attended a FDP Recent Advancements in Mechanical Engineering in BIET Institute of Technology in Hyderabad from 22/06/2020 to 26/06/2020
- Mr. N. Anjaneyulu Attended a FDP Innovation and research Trends in Mechanical Engineering in KHIT Institute of Technology in Guntur from 18/05/2020 to 22/05/2020
- Mr. N. Anjaneyulu Attended a FDP Recent Advancements in Mechanical Engineering in BIET Institute of Technology in Hyderabad from 22/06/2020 to 26/06/2020.
- Mr. Mr.SK.Rahamath Basha Attended a FDP Recent advancement in Mechanical Engineering RAME 2020 in Bharat Institute of Engineering and Technology in Mangalpally/ Hyderabad from 22/06/2020 to 26/06/2020
- Mr. Mr.SK.Rahamath Basha Attended a FDP Finite element analysis approach for Industrial applications using ANSYS in APSSDC, Vijayawada, AP, from 03-06-2020 to 05-06-2020.
- Mr. Mr.SK.Rahamath Basha Attended a FDP Advances in Mechanical Engineering in RISE, Ongole, from 01-06-2020 to 03-06-2020
- Mr. Mr.SK.Rahamath Basha Attended a FDP Gas Turbine Design and Development in Lakireddy Bali Reddy College of Engineering L.B.Reddy Nagar, Mylavaram, Andhra Pradesh from 14-06-2020 to 16-06-2020

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NEWS LETTER

METROID

"TECHNOLOGY TRENDS TRADITION"

Vision

To evolve as a prospective learning centre for producing quality human resources

Mission

- ✚ Impart Technical knowledge through effective teaching-learning practices.
- ✚ Provide congenial academic environment for honing technical skills.
- ✚ Develop professional and entrepreneurial skills through collaborations.
- ✚ Promote leadership skills along with social and ethical values.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- ✚ Analyze Mechanical Engineering problems and provide sustainable solutions.
- ✚ Pursue successful professional career in industry, academia or research.
- ✚ Engage in continuous learning to keep abreast of emerging technologies with the sense of professional ethics.
- ✚ Contribute in multi-disciplinary teams through effective interpersonal skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- ✚ Utilize the knowledge of materials and manufacturing principles to plan, design and monitor the production operations of an Industry.
- ✚ Employ the governing laws of Thermodynamics, Heat transfer and Refrigeration & Air Conditioning to design and develop Thermo Fluid systems

ADVANCED IC ENGINES ;

Engine types, Engine design and operating parameters, Thermo chemistry of fuel-air mixture, Properties of working fluids, Characteristics of flames, Combustion stoichiometry, First law and Second law of thermodynamics applied to combustion, Chemically reacting gas mixtures, unburned mixture composition, Combustion charts, gas exchange processes, Fuel injection system, Combustion in SI Engine and CI engine, Engine heat transfer, friction and lubrication, Measurement and testing of power and emissions, Heat balance, Supercharging and turbo charging of IC engines.

