

S.V. COLLEGE OF ENGINEERING TIRUPATI

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Mechanical Engineering

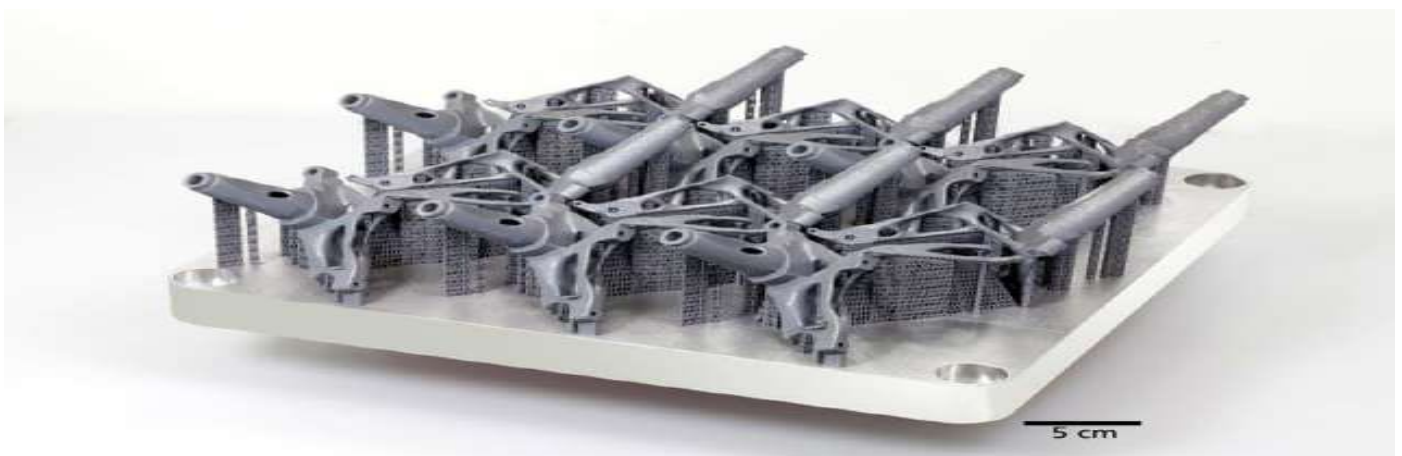
MECHANIX

2020-21 ODD Semester News Letter

**July-December
2020**



To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science
— Albert Einstein



Mechanical Engineering

Vision of the Department

To impart knowledge with global perspectives in pursuit of excellence in Mechanical Engineering Education, Entrepreneurship and Innovation.

Mission of the Department

M1: To inculcate students with leadership skills with high level of integrity & ethical values for team building and team Work.

M2: To mold the young dynamic potential minds into full-fledged future professionals through effective teaching-learning Techniques & industry – institute collaboration.

M3: To serve the society through innovation and excellence in teaching and research.

Program Educational Objectives

PEO1: Graduates can demonstrate technical competence in Mechanical Engineering domain as they apply problem solving skills to conceive, analyze, design and develop products, processes and systems.

PEO2: Graduates can actively embrace leadership roles and strive hard to achieve professional and organizational goals with adherence to professional and ethical values, team expectations and sensitivities of cultural diversity.

PEO3: Graduates are committed to practice engineering strategies in industry and government organizations to meet the growing expectations of the Stakeholders and also contribute to the societal development.

About the Department

Mechanical Engineering, one of the oldest branches of Engineering, is a professional discipline that applies engineering, physics, mathematics, and materials science principles to design, analyze, manufacture, and maintain mechanical systems. As one of the oldest branches of engineering, Mechanical Engineering as a field of study is broad and diverse. With the need for skilled Mechanical graduates intensifying with every passing year, The Department has highly qualified and rich experienced faculty with an aim of providing quality educational service. The Department has good infrastructural facilities and is equipped with full-fledged laboratories and audio-visual systems. The department focuses research on Heat Transfer Enhancement, Alternative Fuels, Composite Materials and Advanced Machining Process etc.,

The Department of Mechanical Engineering has formulated the following objectives:

- To facilitate students with real-time scenarios and hands-on training sessions through field trips.
- To equip students with practical knowledge to formulate and solve challenging problems.
- To enhance critical thinking and analytical skills of the students.
- To provide equal opportunities to all the students to learn and grow as well-rounded individuals.

Principal's Message



I have great pleasure in conveying my best wishes to the Department of Mechanical Engineering for releasing the technical magazine "Mechanix" which brings the students and teachers of various disciplines on a common platform to share and display their ideas and creative talents. I wish all the students who have involved in bringing out the magazine for their greater success and career ahead.

Dr. N.SUDHAKAR REDDY, ME, Ph.D, FIE, MISTE.

PRINCIPAL

HOD's Message



Mechanical Engineering is a versatile and evergreen branch of engineering. Mechanical engineer can work in various fields like automotive system, aerospace engineering, design engineering, dynamic system and control, power plant engineering, etc. and most importantly in software field also. Department has well qualified and dedicated faculty with well-developed laboratories. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries & expert talk. We provide opportunities for students to participate in various technical and sports events /competitions. This newsletter is an attempt to highlight the achievements of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a quarterly editions. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.

Dr. M.CHANDRA SEKHARA REDDY, M.Tech, Ph.D, FIE, MISTE.

Head of the Department M.E,

S.V.C.E,Tirupati

Faculty Corner



Paper Publications:

- Vamsi Krishna Mamidi, An investigation on wear properties of SiC/WC strengthened aluminium alloy hybrid composites, Materials Today: Proceedings, 2021, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2020.12.416>.
- D.Raju, G.Guru Sai Prasad, V.Ajay, G.Guru Mahesh, Dr.M.Vamsi Krishna Multi-Response Optimization of Process Parameters in AWJ Machining of Inconel 800 by Grey Relational Method in **PENSEE** ISSN:0031-4773, Volume 50 Issue-12 (2020) pp:1731-1739.
- K.Prashanth Kumar, Madhivanan.K, M.Chandra Sekhara Reddy published paper on “ The Friction Stir Process by using nano materials in aluminium alloy: A Review” in Zeichen Journal ISSN: 0932-4747, Volume-6 Issue-12, November 2020 PP: 162-171.
- K. Renugadevi, P.K. Devan, M. Chandra Sekhara Reddy, P. Karthik, Tiju Thomas, Optimization of surface treatment in Calotropis Gigantea (CG)-fibre yarn by simple techniques and characterization of CG fibre yarn reinforced laminate, Journal of Materials Research and Technology, Volume 9 , Issue 6, 2020, Pages 12187-12200, ISSN 2238-7854, <https://doi.org/10.1016/j.jmrt.2020.08.058>.
- M.Gopala Krishna, M.Chandra Sekhara Reddy published paper on “ Effect of Machining Parameters on Hole Quality in Dry Drilling of CFRP using Ti-AlN Nano Coated Drill Bit” in The International Journal of Analytical and Experimental Modal Analysis ISSN: 0886-9367, Volume-12 Issue-7, July 2020 PP: 2721-2731.

Conference:

- Dr.M.Vamsi Krishna presented a paper on “ Bird Impact analysis of a Typical Transport Aircraft Wing” in 2ND National Conference on Advancement in Materials Processing Technology AMPT-2020 organized by National Institute of Technology , Jamshedpur on June 31st-2ND November-2020.
- Dr.N.Rajesh presented a paper on “ Mechanical Properties of Natural Fiber Composites Produced Using Hand Lay Technique” in 2ND National Conference on Advancement in Materials Processing Technology AMPT-2020 organized by National Institute of Technology , Jamshedpur on June 31st-2ND November-2020.
- S.Jaya Kishore, K. Arun, D.Anjan Kumar Reddy presented a paper on “Experimental Investigation and FEA Analysis of EGG Shell Reinforced Coco Peat Hybrid Composites” in 2ND National Conference on Advancement in Materials Processing Technology AMPT-2020 organized by National Institute of Technology , Jamshedpur on June 31st-2ND November-2020.
- M.Gopala Krishna presented a paper on “Tribological analysis of Hybrid Reinforced Composite using taguchi Analysis” in 2ND National Conference on Advancement in Materials Processing Technology AMPT-2020 organized by National Institute of Technology , Jamshedpur on June 31st-2ND November-2020.
- S.Jaya Kishore, K. Arun, D.Anjan Kumar Reddy presented a paper on “Investigation of Mechanical Properties and SEM Analysis of Egg shell Reinforced Coco peat Hybrid Composites” in International Conference on Advanced Technologies and Research in Mechanical Engineering organized by MEA Engineering College, Malappuram, Kerala on June 26TH-28TH October-2020.
- Dr.N.Rajesh presented a paper on “ Optimizing Machining Parameters in Drilling of Al6061/ CNT Using Sine Cosine Algorithm in National Conference on Recent Developments in Material Processing, Modelling and Characterization 2020 organized by National Institute of Technology , Jamshedpur on June 26TH-27TH August-2020.

Faculty Corner



- Dr.M.Chandrasekhara Reddy presented a paper on “ Heat Transfer Enhancement in Automobile Radiator Through the Application of CuO Nano fluids” in A 2ND International Conference on Intelligent Manufacturing and Energy Sustainability ICIMES-2020 by Department of Mechanical Engineering, MRCET,Hyderabad on August 21ST- 22ND 2020.
- Dr.M.Chandrasekhara Reddy, Dr.M.Vamsi Krishna, K.Arun presented a paper on “ A Review on Processing and Industrial needs of Zirconium with their characteristics and applications” in A 2 Day National Level Conference on Recent Advances in Technology organized by VEMU Institute of Technology , Kothakota on August 11TH 2020.
- Dr.M.Chandrasekhara Reddy, Dr.K.Mathivanan presented a paper on “ The Friction Stir Process by using Nano materials in Aluminium Alloy:A Review” in A 2 Day National Level Conference on Recent Advances in Technology organized by VEMU Institute of Technology , Kothakota on August 11TH 2020.

FDP'S:

- Dr.M.Chandra sekhara Reddy, Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.M.Chandra sekhara Reddy, Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- Dr.M.Chandra sekhara Reddy, Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- Dr.M.Chandra sekhara Reddy, Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.B.K.C.Ganesh, Professor participated in Faculty Development Programme on “Mechanical Engineering” held from 29-06-2020 to 03-07-2020 organized by Motilal Nehru National Institute of Technology, Allahabad.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “ATMA-Nirbhar Bharat:Transmutation from Privation to excuberance” held from 27-07-2020 to 31-07-2020 organized by National Institute of Technical Teachers Training and Research,Chandigarh.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “CATIA V5 Chasis Design” held from 20-07-2020 to 24-07-2020 organized by APSSDC.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “Inculcating Universal Humanvalues in Technical Education” held from 18-07-2020 to 22-07-2020 All India Council for Technical Education-AICTE.

Faculty Corner



- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “AICTE Sponsered STTP Programme on Recent Advances in Materials and Manufacturing: Part I” held from 03-08-2020 to 08-08-2020 organized by Gayathri Vidya Parishad College of Engineering, Vishakapatnam.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “Recent Trends in Manufacturing Process” held from 10-08-2020 to 16-08-2020 organized by Sri Venkateswara Institute of Science & Technology, Kadapa.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “Recent Trends in Advanced Machining and Additive Manufacturing”held from 07-09-2020 to 11-09-2020 organized by Rajasthan Technical University, Kota Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.M.Vamsi Krishna, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.M.Vamsi Krishna, Associate Professor participated in International Faculty Development Programme on “Tribology For Reliability-2020” held from 05-10-2020 to 09-10-2020 organized by GITAM UNIVERSITY, Vishakapatnam.
- Dr.K.Madhivanan,Associate Professor participated in Faculty Development Programme on “Role of Materials and Processing in Additive Manufacturing : 3D Printing to Industry-2020” held from 19-07-2020 to 24-07-2020 organized by The Indian Institute of metals, GLA University.
- Dr.K.Madhivanan, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.K.Madhivanan, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- Dr.K.Madhivanan, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.K.Madhivanan, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.

Faculty Corner



- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “Materials Processing and Optimization” held from 06-07-2020 to 10-07-2020 organized by NITTTR, Chandigarh.
- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “Materials Processing and Optimization” held from 06-07-2020 to 10-07-2020 organized by NITTTR, Chandigarh.
- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “Research Proposal Writing and opportunities in the field of science, Engineering and Management” held from 06-07-2020 to 11-07-2020 organized by Bangalore Institute of Technology, Bangalore.
- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “Universal Human Values” held from 18-07-2020 to 22-07-2020 organized by AICTE, New Delhi.
- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- N.Rajesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.N.Rajesh, Associate Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- M.Gopala Krishna, Assistant Professor participated in Faculty Development Programme on “Advances in Mechanical Engineering” held from 04-07-2020 to 10-07-2020 organized by GATES Institute of Technology, Gooty.
- M.Gopala Krishna, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- M.Gopala Krishna, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- M.Gopala Krishna, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- M.Gopala Krishna, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- T.Pratheep Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- T.Pratheep Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati

Faculty Corner



- T.Pratheep Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- T.Pratheep Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- K.Arun, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- K.Arun, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- K.Arun, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- K.Arun, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- P.Charan Theja, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- P.Charan Theja, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- P.Charan Theja, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- P.Charan Theja, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- P.Punna Rao, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- P.Punna Rao, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- P.Punna Rao, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- P.Punna Rao, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.

Faculty Corner



- G.Guru Sai Prasad, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- G.Guru Sai Prasada, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- G.Guru Sai Prasad, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- G.Guru Sai Prasad, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- D.Raju, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- D.Raju, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- D.Raju, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- D.Raju, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- D.Anjan Kumar Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- D.Anjan Kumar Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- D.Anjan Kumar Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- D.Anjan Kumar Reddy, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- S.Jaya Kishore, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- S.Jaya Kishore, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- S.Jaya Kishore, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.

Faculty Corner



- S.Jaya Kishore, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- G.Guru Mahesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- G.Guru Mahesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- G.Guru Mahesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- G.Guru Mahesh, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- V.Ajay, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- V.Ajay, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- V.Ajay, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- V.Ajay, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- K.Renuga Devi, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- K.Renuga Devi, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- K.Renuga Devi, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- K.Renuga Devi, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tiruapti.
- G.Nomu Kumar, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials ” held from 27-07-2020 to 01-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.

Faculty Corner



- G.Nomu Kumar, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-II)” held from 17-08-2020 to 24-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- G.Nomu Kumar, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-III)” held from 02-09-2020 to 07-08-2020 organized by Sri Venkateswara College of Engineering, Tirupati
- G.Nomu Kumar, Assistant Professor participated in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-IV)” held from 14-09-2020 to 19-09-2020 organized by Sri Venkateswara College of Engineering, Tirupati.

NPTEL CERTIFICATION:

- Dr.M.Chandra Sekhara Reddy, Professor Completed Online Course One Week Faculty Development Program on “**Selection of Nano Materials For Energy Harvesting and Storage Applications**” held on NPTEL Online Course, Sept-Oct 2020.
- Dr.N.Rajesh, Associate Professor Completed Online Course One Week Faculty Development Program on “**Product Design and Development**” held on NPTEL Online Course, Sept-Oct 2020.
- G.Guru Mahesh, Assistant Professor Completed Online Course One Week Faculty Development Program on “**Product Design and Development**” held on NPTEL Online Course, Sept-Oct 2020.
- D.Anjan Kumarf Reddy, Assistant Professor Completed Online Course One Week Faculty Development Program on “**Advanced Machining Processes**” held on NPTEL Online Course, Sept-Oct 2020.
- M.Gopala Krishna, Assistant Professor Completed Online Course One Week Faculty Development Program on “**Advanced Machining Processes**” held on NPTEL Online Course, Sept-Oct 2020.
- D.Raju, Assistant Professor Completed Online Course One Week Faculty Development Program on “**Advanced Machining Processes**” held on NPTEL Online Course, Sept-Oct 2020.
- B.Eswaraiah, Assistant Professor Completed Online Course One Week Faculty Development Program on “**Advanced Machining Processes**” held on NPTEL Online Course, Sept-Oct 2020.

LECTURES DELIVERED:

- Dr.M.Chandra Sekhara Reddy, Professor delivered Lecture on “The Role of Nano Thermo fluids in Energy Systems Realization in Solar Energy Collectors” in Faculty Development Programme on “NanoTechnology and Functional Materials (Phase-I)” held on 27-07-2020 organized by Sri Venkateswara College of Engineering, Tirupati.
- Dr.K.Madhivanan , Associate Professor delivered Lecture on “Applications of Mechatronics in Automobile Engineering” held on 31-10-2020 organized by Bharath Institute of Higher Education and Research.

BOOK PUBLICATIONS:

- Dr.K.Madhivanan and Dr.N.Rajesh Associate Professor Published a Book on “ The Right Understanding and self-realization” on 28-10-2020.

Student Corner



Results and Toppers

I B. Tech II Semester

Total students registered	: 93
Total students passed	: 20
Pass Percentage	: 21.50%

List of Toppers

S.No.	Roll Number	Name of the Student	CGPA
1	19BF1A0323	K.M.Pavan Sai	9.30
2	19BF1A0348	P.S.Narasinga Rao	8.37
3	19BF1A0302	A.Gurappa	8.23
4	19BF1A0303	A.Shaleem Abhishek	8.14
5	19BF1A0324	K.B.Jaya Prasad Reddy	8.09

II B. Tech II Semester

Total students registered	: 125
Total students passed	: 32
Pass Percentage	: 25.60%

List of Toppers

S.No.	Roll Number	Name of the Student	%
1	19BF5A0314	P.T.Tharun	81.22
2	18BF1A0335	J.B.Sai Sridhar	79.78
3	19BF5A0313	P.Manoj Kumar Reddy	79.22
4	18BF1A0385	P.Rupesh	76.56
5	19BF5A0319	T.Sreekalyan	76.00

III B. Tech II Semester

Total students registered	: 132
Total students passed	: 34
Pass Percentage	: 25.75

List of Toppers

S.No.	Roll Number	Name of the Student	%
1	17BF1A0380	P.M.Pavan Kumar	86.45
2	17BF1A0357	M.Hari Sainadh Reddy	84.41
3	18BF5A0313	P.Triveni Priya	83.76
4	17BF1A0323	E.Ruthvik	81.83
5	17BF1A0315	C.Ganesh	81.72

IV B. Tech II Semester

Total students registered	: 125
Total students passed	: 116
Pass Percentage	: 92.80

List of Toppers

S.No.	Roll Number	Name of the Student	%
1	17BF5A0323	K. Vasu	90.60
2	17BF5A0310	B.S.S.Rahul Priyathm	60.20
3	17BF5A0333	V.Balaji	89.60
4	16BF1A0313	G.Vamsi Krishna Reddy	89.40
5	17BF5A0334	A.Krishna Sai	89.00



Placed Students

2016-20 Batch

TCS

C.V.S.Neeraj Kumar
M.Pavan Kumar

Cognizant

C.V.S.Neeraj Kumar
C.Ganesh
P.V.V.D.Nikhil
G.Bheemeshwar
P.Karthik kumar Reddy

Sutherland

K.Akhil
N.Harshavardhan
G.Bheemeshwar
G.VamsiKrishna

Q SPiders

P.Rudra Shiva Kumar



*Thanks to Placement Team
and the Supporting Faculty*

Dr. M.Chandra Sekhara Reddy

Mr. T.Pratheep Reddy

Mr. K.Harshavardhan Reddy

Mr. M.Gopala Krishna

Mr. G.Nomu Kumar

Mr. G.GuruSai Prasad

Mr. B.Esvaraiah



STUDENT PARTICIPATIONS

- M.Sunil,M.Naveen Kumar,P.Hemanth,N.Naga Lakshmi “Multi Tasking Seed Sowing Machine-bagged **Seventh prize** in “Project Of the Year International Competation” organized by Dassault Systems from 27 Countries 250+ Projects are participated held on 28TH August 2020.
- P.Venkat Pavan bagged **First prize** in Paper Presentation on “NATIONAL LEVEL TCHNICAL SYMPOSIUM-GRIFFONIA-2K20” organized by Madha Aeronautical Consortium of Engineers(ACE)on September 20TH 2020.
- P.Venkat Pavan bagged **First prize** in Technical Quiz on “NATIONAL LEVEL TCHNICAL SYMPOSIUM-GRIFFONIA-2K19” organized by Madha Aeronautical Consortium of Engineers(ACE)on September 20TH 2019.
- T.Tendulkar attended “Boosting Immunity Through Holistic Helathcare An Interactive Session with the Youth” online Webinar conducted by Jawaharlal Technological University, Ananthapuramu in Asoociation with LEAD India Foundation on September 8TH 2020.
- A.Arunachalam attended “National Level competition on C Programming Language” online programming conducted by GATES Institute of Technology, Gooty on October 06TH 2020.
- T.Tendulkar attended “System Engineering-Mechatronics” online Workshop conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) in association with Dassault Systems from September 21ST to 25TH 2020.
- T.Tendulkar bagged **Score of 90%** in National Level E- Quiz on “ Ancient & Modern Mathematics ” conducted by Department of Mathematics, S.V.Arts College,TTD on September 07TH 2020.
- P.T.Tharun participated in Online Training Program on “NDT for Advance Manufacturing” conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) on September 07TH 2020.
- K.Sankar Srinivas participated in “Catia V5 Foundation for Aerospace Part Designer” online Workshop conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) in association with Dassault Systems from July 20TH to 24TH 2020.
- Neeraj Kumar Successfully Completed “Data Collection and Processing with Python” an online non-credit course authorized by University of Michigan and offered through Coursera on July 2ND 2020.
- A.Redappa has participated in National Level E- Quiz on “ Environmental Sciences” on the occasion of VanMahostav Week-2020 organized by NSS Unit in association with Pharmaceutics, Sree Vidyanikethan College of Pharmacy, Tirupati on July 7TH to 01ST 2020.
- K.Vishnuvardhan has attended “Converting Obstacles Into Opportunites ” online Webinar conducted by Axis Global Institute of Industrial Training on July 20TH 2020.
- K.Vishnuvardhan has attended “MSME & ITS SCHEMES ” online Webinar conducted by St.Joseph’s Institute of Technology on July 20TH 2020.

STUDENT PARTICIPATIONS

- P.T.Tharun participated in Online Training Program on “Solid Edge” conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) from July 15TH-27TH 2020.
- K.Sankar Srinivas participated in Online Training Program on “CATIA” conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) from July 01ST-13TH 2020.
- K.Vishnu Vardhan participated in Robotics Quiz-School Level in Technical Quiz on “ROBOTICS” organized by Ramco Institute of Technology, Rajapalyam on 5TH July 2020.

STUDENT PUBLICATION'S

- T.Bhanu Prada published paper on “ Effect of Machining Parameters on Hole Quality in Dry Drilling of CFRP using Ti-AlN Nano Coated Drill Bit” in The International Journal of Analytical and Experimental Modal Analysis ISSN: 0886-9367, Volume-12 Issue-7, July 2020 PP: 2721-2731.
- Dr.M.Chandrasekhara Reddy, Dr.M.Vamsi Krishna, K.Arun presented a paper on “ A Review on Processing and Industrial needs of Zirconium with their characteristics and applications” in A 2 Day National Level Conference on Recent Advances in Technology organized by VEMU Institute of Technology , Kothakota on August 11TH 2020.
- Dr.M.Chandrasekhara Reddy, Dr.K.Mathivanan presented a paper on “ The Friction Stir Process by using Nano materials in Aluminium Alloy:A Review” in A 2 Day National Level Conference on Recent Advances in Technology organized by VEMU Institute of Technology , Kothakota on August 11TH 2020.



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07-11-2020

Dr. K K Soundra Pandian
 Scientist, Govt. of India, ME&IT, New Delhi

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on
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<p>14-09-2020  Dr. Manoj Gupta NUS – Singapore Sustainable and Eco-Friendly Magnesium Based Nanocomposites for Engineering and Biomedical Applications</p> <p>15-09-2020  Dr. Mamilla Ravi Sankar IIT – Tirupati Bio Ceramic Functionally Graded Nano Coatings for Orthopedic Applications</p> <p>16-09-2020  Dr. S. Anand Kumar IIT – Jammu Role of Surface Nanostructured Materials and their Prospective Engineering Applications</p> <p>17-09-2020  Dr. Sudarsan Ghosh IIT – Delhi Use of Nano Fluids in Machining and Grinding</p> <p>18-09-2020  Dr. Ajay M. Sidpara IIT – Kharagpur Characterization of Surfaces at Micro/ Nano Scale</p> <p>19-09-2020  Dr. Arun K Sikder Staff Scientist, SABIC R&T India Pvt Ltd – Bengaluru Nano-Mechanical Characterization of Surface and Interface using Nano-Indenter and AFM</p>	<p>14-09-2020  Dr. G. Mohan Rao Indian Institute of Science Bangalore Carbon Nanostructures for Energy and Environmental Applications</p> <p>15-09-2020  Dr. Sajan Kapil IIT – Guwahati Micro - Additive Manufacturing of Metallic Objects</p> <p>16-09-2020  Dr. S. Kumaran NIT – Trichy Nano Structured Material Synthesis</p> <p>17-09-2020  Dr. Kaushik Pal IIT – Roorkee Recent Advancements in Nano Materials</p> <p>18-09-2020  Dr. J. Ramkumar IIT – Kanpur Laser Micro/Nano Polishing</p> <p>19-09-2020  Dr Saurav Goel Cranfield University – UK Ultra-Precision Engineering: 21st Century Enabler of Nanotechnology</p>
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 Dr M. Chandra Sekhara Reddy, Professor

Co-Convenors
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 Mr G. Guru Mahesh, Assistant Professor
 Department of Mechanical Engineering, SVCE, TPT.

AICTE Sponsored One week Short Term Training Programme on “Nano Technology and Functional Materials” from 14TH TO 19TH September 2020

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