

Department of Mechanical Engineering

VELAGAPUDI RAMA KRISHNA
SIDDHARTHA ENGINEERING COLLEGE



Academic Year 2019-20

Issue - II

DEPARTMENT NEWS LETTER
DEPARTMENT NEWS LETTER
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WORKSHOPS/SEMINARS/FDP/CONFERENCES ORGANISED

FIVE DAY HANDS ON TRAINING PROGRAM ON COORDINATE MEASURING MACHINE

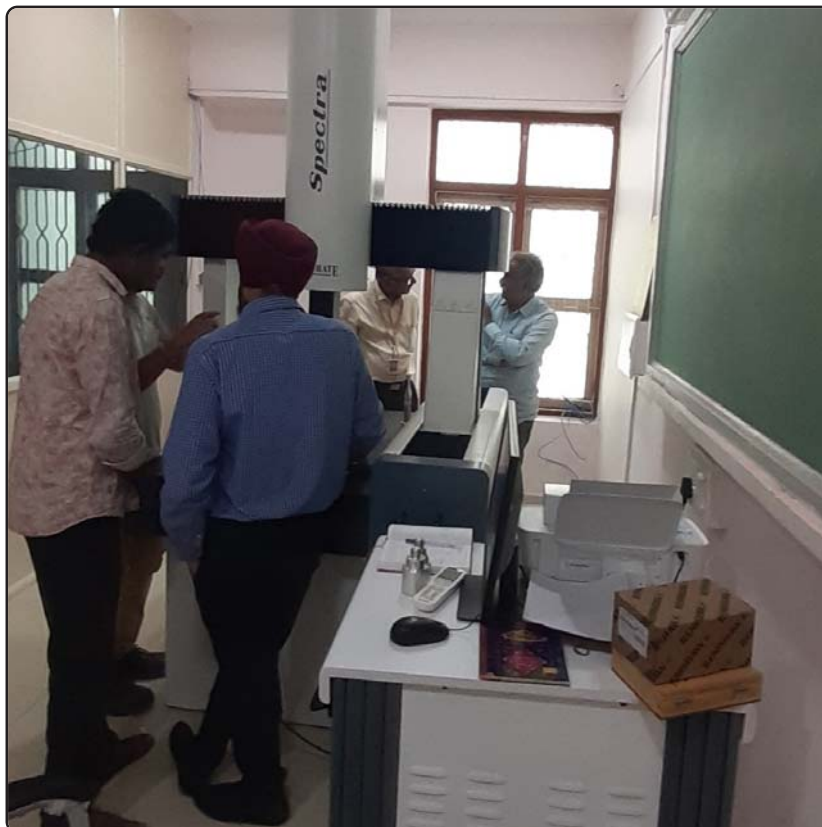
- * Department of Mechanical Engineering organized a Five day's Hands on Training on 'Coordinate Measuring Machine (CMM)' Sponsored by Siddhartha Academy of General and Technical Education, Vijayawada during 17th -21th February, 2020. This Program aims to provide the opportunity to gain hands on experience in the field of online measurements.
- * A coordinate measuring machine (CMM) is a device that measures the geometry of physical objects by sensing discrete points on the surface of the object with a probe. Various types of probes are used in CMMs, including mechanical, optical, laser, and white light. Depending on the machine, the probe position may be manually controlled by an operator or it may be computer controlled. CMMs typically specify a probe's position in terms of its displacement from a reference position in a three-dimensional Cartesian coordinate system (i.e., with XYZ axes). In addition to moving the probe along the X, Y, and Z axes, many machines also allow the probe angle to be controlled to allow measurement of surfaces that would otherwise be unreachable.



- * Yogesh, Engineer, M/S Accurate Gauging & Instruments Private Ltd. Pune acted as trainer for the program. He highlighted that, the typical 3D "bridge" CMM allows probe movement

along three axes, X, Y and Z, which are orthogonal to each other in a three-dimensional Cartesian coordinate system. Each axis has a sensor that monitors the position of the probe on that axis, typically with micrometer precision. When the probe contacts (or otherwise detects) a particular location on the object, the machine samples the three position sensors, thus measuring the location of one point on the object's surface. This process is repeated as necessary, moving the probe each time, to produce a "point cloud" which describes the surface areas of interest.

- * The workshop was organized by Dr. G Dilli Babu, Associate Professor Department of Mechanical Engineering, V. R. Siddhartha Engineering College, Vijayawada.



4 WEEKS INDUSTRY ORIENTED TRAINING PROGRAM ON COMPUTER AIDED QUALITY CONTROL

The Department of Mechanical Engineering has organized 4 Weeks Industry Oriented Training Program on Computer Aided Quality Control for students by Mr. A Y Momin, International Certified Trainer and Mr. Vishal Singh, Senior Engineer from M/S Accurate Gauging & Instruments Private Ltd. Pune during 27/02/2020 to 28/03/2020 (3 weeks only due to COVID-19).

Students trained hands on Practical work in the following areas:



1. GD & T

Learn to read & understand engineering drawings.

2. Quality Plan

Learn to prepare measurement plan with selection of instruments & parameters.

3. Use Surface Table Instruments

Learn to operate basic measuring instruments.

4. Use 3D-Coordinate Measuring Machine (CMM)

Learn to measure and program on CMM .

5. Quality Management Tools

Learn to manage all quality tools like ISO, IATF, MSA, SPC, 7QC Tools, Reporting, Interdepartmental skills, etc.

6. Manufacturing Plant Visit

For Upgrading Knowledge of manufacturing



FACULTY PUBLICATIONS

INTERNATIONAL JOURNALS:

1. B. Supraja Reddy and B. Ram Gopal Reddy, "Experimental Investigation on Friction Stir Welding of Dissimilar Alloys AA7075 and Pure Copper: Effect of Tool Material and Process Parameters on Mechanical Properties", Advances in Materials and Manufacturing Engineering, Lecture Notes in Mechanical Engineering, ISSN:2195-4356, https://doi.org/10.1007/978-981-15-1307-7_60, February 2020, **Scopus**
2. G. Srivalli, G. Jamuna Rani and V. Balakrishna Murthy, "Effect of Debond and Randomness on Thermal Conductivities of Hollow Fiber Composites", Advances in Materials and Manufacturing Engineering, Lecture Notes in Mechanical Engineering, ISSN:2195-4356, https://doi.org/10.1007/978-981-15-1307-7_68, February 2020 **Scopus**
3. Nilesh R. Kolhalkar and V.L. Krishnan, "Mechatronics System Design for Weed Management and Soil Condition Monitoring Within the Rows of Vineyards", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN:2278-3075, Volume-9 Issue-4, February 2020.
4. A. Praveen, V. Lakshmi Narayana and K. Ramanaiah, "Influence of nanoadditive Chlorella vulgaris microalgae biodiesel blends on the performance and emission characteristics of a DI diesel engine", International Journal of Ambient Energy, ISSN:0143-0750 2162-8246, DOI: 10.1080/01430750.2020.1725120, February 2020. **Scopus Indexed**
5. Ch. RaviTeja, Dr. M. BalaChennaiah, G. Srivalli, S. Vignesh, E. Dileep Kumar, D. ViswaDatta and S. KartikRaju, "Ocean Wave Energy- A Step Towards Recharging Batteries", Test Engineering and Management, ISSN:0913-4120, Volume 82, PP: 8774-8780, Issue: January-February 2020. **Scopus Indexed**
6. S. Venkatesh and Dr. N. Ravi Kumar, "Evaluation of Steering Angles Through Four Bar Link Mechanism", International Journal of Scientific and Engineering Research Volume 11, Issue 1, January-2020, ISSN 2229-5518.
7. G. Jamuna Rani, Y.V. HanumanthaRao and B. Balakrishna, "Fuel Injection Timing Impact on Diesel Engine Performance, Combustion and Emission Characteristics of Nano Additive Biodiesel Blends", International Journal of Ambient Energy, ISSN:0143-0750 2162-8246, DOI: 10.1080/01430750.2020.1725119, February 2020. **Scopus Indexed**

8. G. Jamuna Rani, Y.V. HanumanthaRao and B. Balakrishna, "Influence of MadhucaLongifolia Biodiesel Blends on Diesel engine Characteristics", International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-5, March 2020
9. V. V. VenuMadhav, AV.S.S.K.S. Gupta, P. Rakesh, " Study of fracture behavior of a composite laminate with central circular hole subjected to thermo-mechanical loading with temperature fall", Materials Today Proceedings, vol22, ISSN: 2214-7853, PP: 2025-2032, May 2020.
Scopus Indexed
10. V. V. VenuMadhav, AV.S.S.K.S. Gupta, P. Rakesh, " Comparison of fracture behavior of a composite laminate with Cross-ply & Angle ply lay-up subjected to thermal rise loading", Materials Today Proceedings, vol22, ISSN: 2214-7853, PP: 2033-2040, May 2020. **Scopus Indexed**
11. V Sudheerkumar, CH Nagaraju, " Modeling of Amplitude and Frequency of Vibration for Rotor Bearing System using Ann and Taguchi Methods",International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-1, PP 162- 169, May 2020.
12. K. SrinivasaRao, U. V. NarayanaRao, G. Yaswanth Kumar, A. Dattatreya Kumar, G. Sridhar Babu, "Mechanical Properties of Fly Ash Based Geopolymer Concrete and Conventional Concrete" , International Journal of Recent Technology and Engineering, ISSN: 2277-3878, PP: 3121, Volume 8, issue 6, March 2020
13. U. V. NarayanaRao, G. Yaswanth Kumar,K. Srinivasa Rao, " Design and Sustainability of an Earthquake Resistant G+3 Residential Building", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-6, PP 4504, March 2020.
14. BapiRajuVangipurapu, RambabuGovada, NarayanaRaoKandukuri, "Development Inventory Model of Price-Dependent Perishable Products in Sustainable Environment", Innovative Product Design and Intelligent Manufacturing Systems, Febraury 2020 **Scopus**
15. Bapi Raju Vangipurapu, Rambabu Govada, Narayana Rao Kandukuri, "A new Heuristic for Solving open Vehicle Routing Problem with Capacity Constraints", Innovative Product Design and Intelligent Manufacturing Systems, February 2020 **Scopus**

16. V. Rama Krishna, B. Ajay Kumar, O. R. Nandagopan, N. Ravi kumar, U. Urban Kumar, "Coupled Analysis of Underwater System by Numerical Approach", Advances in Applied Mechanical Engineering, PP 571- 579, February 2020 **Scopus**
17. A. MallikarjunaRao, "Experimental analysis on Intelligent speed sowing Mobile Robot through ant Colony Optimization", Journal of Computational and Theoretical Nano Science. Pp 384-389, January 2020. **Scopus Indexed**
18. V. Vasu, D. Rakesh, K. B. Sumanth, V. U. S. Vara Prasad, "Experimental Investigation on Low – Pressure Receiver Incorporated Domestic Refrigerator with Al₂O₃ Nano Particles" Advances in Materials and Manufacturing Engineering. February 2020 **lecture notes in Mechanical Engineering. . Scopus Indexed**
19. Dr. Alapati Venkateswarlu, Adusumilli Adilakshmi, Rithvik Alapati, "Sustainable Development Vs Environment Protection - Achieving A Fine Balance: A Case Study Of Andhra Pradesh", International Journal of Advanced Research in Engineering and Technology (IJARET), ISSN : 0976-6499, Volume 11, Issue 6, June 2020, pp. 106-112, Scopus Indexed.
20. A. Phanideepthi , J. Prabakaran , A. P .Sathiyagnanam , K. Ramanaiah And A. V. Ratna Prasad, "Effect Of Aluminium Oxide Nanoparticles On Emissions Of Diesel Engine Using Micro-Algae Bio-Diesel" , International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(E): 2249–8001 Vol. 10, Issue 3, June 2020, 1877–1882. Scopus Indexed.
21. G. Jamuna Rani, Y.V. HanumanthaRao and B. Balakrishna, "Combined Effect Of EGR And Alumina With Bio-Diesel Blend On The Output Of Ci Engine", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(E): 2249–8001 Vol. 10, Issue 3, June 2020, 1883–1892. Scopus Indexed.
22. Muthuluru Rajesh, Y.V. Hanumantha Rao P.S. Srinivas, Srinivas Prasad Sanaka "Experimental Investigation Of Dual Biodiesel By Using VCR Engine", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(E): 2249–8001 Vol. 10, Issue 3, June 2020, 1395–1402. Scopus Indexed.
23. Ch. Venkata Prasad, Dr. K L. Narayana, Dr. V V. Subba Rao, "Surface Modifications And Properties For Caryota Urens Cellulose Fibers Reinforced Polymer Composites", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(E): 2249–8001 Vol. 10, Issue 3, June 2020, 1423–1432. Scopus Indexed.

INTERNATIONAL CONFERENCES:

1. G. VamsiBabu and V. Balakrishna Murthy, "Numerical Modeling of Conjugate Heat Transfer in Rocket Nozzle", International Conference on Recent Advances in Mechanical Engineering (ICRAME-2020) organized by Department of Mechanical Engineering, Andhra University College of Engineering (A), Visakhapatnam-530 003, Andhra Pradesh, India, from 26th to 28th February-2020
2. K. HimaTeja, G. Srivalli and V. Balakrishna Murthy, "A Numerical Model to Study the Fluid-Structure Interaction at a Bridge Pier", International Conference on Innovations in Thermo-Fluid Engineering and Sciences (ICITFES-2020) NIT Rourkela, India, 10th -12th February 2020.
3. B. SreenivasaRao "Buckling Analysis of Thin Glass-Epoxy FRP Laminate Subjected to Thermal and Mechanical Loading", International Conference on Recent Advances in Mechanical Engineering (ICRAME-2020) Andhra University College of Engineering, Visakhapatnam, Andhra Pradesh, India, from 26 to 28 February-2020.

BOOKS CHAPTER AUTHORED:

1. Dr. M. Bala Chennaiah, G. Sri Valli authored a book chapter on "Regenerative Braking System: Design And Fabrication of Roller Braking System" in LABERT ACADEMIC PUBLICATION (on 7th January 2020)

GUEST LECTURES DELIVERED BY FACULTY

1. A Guest Lecture was delivered by Dr M.Balaji on topic "Webinar on an overview of Designing Machine Elements" at Visakha Institute of Engineering & Technology, Visakhapatnam on 3rd June, 2020.

WORKSHOPS /SEMINARS/FDP ATTENDED BY FACULTY

S.No	Name of the faculty	Date	Title of the event	Host
1.	V.V.Venu Madhav	22nd July, 2019	Academic Excellence-Creating Climate through Communication	IBS, ICFAI Business School,, Vijayawada
2.	M.Sumalatha	22nd Aug, 2019	Recent Advances In Welding (RAW-2019)	Methodist College Of Engg And Technology, Hyderabad
3.	M.Sumalatha B.Supraja Reddy A.N.Phani Deepthi	26th-28th Aug, 2019	Mechatronics & Automation	Dhanekula Institute Of Engg & Technology, Vijayawada
4.	Dr C.Mahesh	30th Aug, 2019	Design And Analysis of Experiments	Gudlavalleru Engg College, Gudlavalleru
5.	Dr Ch.Naga Raju	2019 July-Oct (18days),	Mathematical Modelling Of Manufacturing Processes	AICTE, New Delhi
6.	Dr G.Dilli Babu G.Srivalli G.Jamuna Rani A.N.Phani Deepthi M.Sumalatha B.Supraja Reddy	8th Nov, 2019	OBE Parameters, Assessment & Evaluation	VRSEC, Vijayawada
7.	Ch.Venkata Prasad	9th-13th Dec, 2019	Recent Advancement in Polymer Materials and Nano Materials for Engineering Applications(RAPNEA-2019)	NIT, Raipur
8.	B.Supraja Reddy	9th-14th Dec, 2019	Internet of Things	Sri Venkateswara College of Engg and Technology, Srikakulam
9.	Dr Ch.Naga Raju	21st Dec, 2019	Perspective and Challenges on Adopting the Curriculum for Engineering & Technology in India	Vignan's Foundation for Science, Technology and Research, Vadlamudi, Guntur
10.	M.Sumalatha A.N.Phani Deepti B.Supraja Reddy M.Rajesh	24th-25th Dec, 2019	International Workshop on Materials for Energy Conversion and Storage	IIT, Tirupati

11.	Dr B.Raghava Rao	20th-24th Jan, 2020	Molecular Gas Dynamics	IIT, Kanpur
12.	Dr V. Balakrishna Murthy Dr G. Dilli Babu A.N. Phani Deepthi M. Sumalatha	27th Jan, 2020	Potential to Perform	VRSEC, Vijayawada
13.	Dr K. Naga Malleswara Rao Dr M. Bala Chennaiah	23rd-25th Jan, 2020	3Dexperience-System Engineering, Delmia& Simulia	APSSDC, Pune
14.	Dr V. Bala Krishna Murthy A.Mallikarjuna Rao B.Supraja Reddy	7th Feb, 2020	Role of 3D Printing in Health Care	KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada
15.	Dr V. Bala Krishna Murthy	27th Feb, 2020	One day orientation program on CMM operation and its industrial applications.	VRSEC
16.	K.Srinivasa Rao V.V.Venu Madhav B.Supraja Reddy M.Sumalatha	9-13th Mar, 2020	Design Thinking and Product Innovation	PVPSIT, Vijayawada
17.	B. Raghava Rao	20th April, 2020	How to publish a high quality Technical journal paper	IEEE
18.	B. Raghava Rao	20th April, 2020	Online Classroom – Need of the Hour	St. Joseph Engineering College, India
19.	B. Raghava Rao	14th May, 2020	Technology infused learning space	IUCEE Virtual Academy and NITTTTR, Chennai
20.	B. Raghava Rao	15th May 2020	Siemens Simulation Technology Center	IFEES GEDC IUCEE and University of Cincinnati (UC), USA
21.	Dr. V. Balakrishna Murthy	20 th April 2020	Online Classroom – Need of the Hour.	IFEES GEDC Online Learning IUCEE

22.	Dr. V. Balakrishna Murthy	6 th May 2020	Problem-based Megaprojects: Complex problem-solving competences and interdisciplinary in higher education.	IFEES GEDC
23.	Dr. V. Balakrishna Murthy	19 th May 2020	Online Tools/Utilities to Keep the Online Sessions More Interactive & Engaged Smartly.	IUCEE Virtual Academy
24.	Dr. V. Balakrishna Murthy	3rd - 5th June, 2020	Finite Element Analysis approach for industrial applications using ANSYS	APSSDC
25.	Dr. A. Venkateswarlu	27th May, 2020	Writing Effective Research Proposals	VRSEC, Vijayawada
26.	Dr. M.Balaji	13th May, 2020	Transition of Welding process with Robotic system	Sathyabama Institute of Science and technology, Chennai
27.	Dr. M.Balaji	14th May, 2020	E-Vehicles for sustainable transportation	Geethanjali institute of science and technology, Nellore
28.	Dr. M.Balaji B.Srinivasa Rao K Srinivasa Rao	27 th May 2020	Writing Effective Research Proposals	Department of CSE, V R Siddhartha Engineering College, Vijayawada, AP
29.	K Srinivasa Rao	12 June, 2020	Industry 4.0	D.N.R. College of Engineering and Technology, Bhimavaram
30.	K Srinivasa Rao	09-14th June, 2020	Research and Development in Materials Behaviour , Processing and Characterization	GLA University, Mathura in association with Indian Institute of Metals (IIM) and Punjab University , Chandigarh
31.	M.Rajesh	14th May, 2020	Outcome Based Education Software	Vmedulife certificate
32.	K.Ravi Kumar	4-9th May, 2020	Research Challenges And Opportunities Post Covid-19 (Recop 2020)	Sri Vasavi Engineering College, Tadepalligudem
33.	M.Sumalatha	27 th May 2020	Writing Effective Research Proposals	Department of CSE, V R Siddhartha Engineering College, Vijayawada

34.	M.Sumalatha	30 th May 2020	Understanding Building Insulation	Dept. of ME, Anurag Group of Insts, Venkatapur, Ghatkesar, Medchal
35.	V.V.Venu Madhav	4-9th May, 2020	Research Challenges And Opportunities Post Covid-19 (Recop 2020)	Sri Vasavi Engineering College, Tadepalligudem
36.	V.V.Venu Madhav	10-15th May, 2020	Faculty Awareness Program on NAAC Accreditation	Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune
37.	V.V.Venu Madhav	10th May, 2020	Faculty Program on NBA	Bharati Vidyapeeth College of Engineering, Mumbai
38.	Dr. V L Krishnan	20 th April 2020	How To Publish a High Quality Technical Journal Paper	IEEE
39.	Dr. V L Krishnan	27th May, 2020	Writing effective research proposals	VRSEC, Vijayawada
40.	V.Bapi raju	20 th April 2020	How To Publish a High Quality Technical Journal Paper	IEEE
41.	V.Bapi Raju	27th May, 2020	Writing effective research proposals	VRSEC, Vijayawada
42.	K.Prakash Babu	20th April 2020	How To Publish a High Quality Technical Journal Paper	IEEE
43.	K.Prakash Babu	27th May 2020	Writing Effective Research Proposals	VRSEC, Vijayawada
44.	K.Prakash Babu	8th June, 2020	Career Opportunities for Graduate Mechanical Engineers	NTTF
45.	K.Prakash Babu	8-9th June, 2020	Supply Chain Management Principles & Practices	KLE College of Engg & Tech., Chikodi
46.	V.V.Venu Madhav	15th May, 2020	IOT-Mechanical engineering perspective & case studies	Amrutvahini college of engineering, Maharashtra
47.	V.V.Venu Madhav	15th May, 2020	The power of google sheet	Karpaga vinayaga college of engineering and technology, Tamilnadu
48.	V.V.Venu Madhav	23rd May, 2020	Future of robotics and AI	Scad college of engineering and technology, Tirunelveli
49.	V.V.Venu Madhav	23rd May, 2020	Future scope of electrical vehicle	Karpagam Institute of Technology, Coimbatore

50.	Ch.Venkata Prasad	20-24 May, 2020	Materials for Thermal and renewable Energy Research	Sai Ram Institute of Technology, Chennai
51.	Dr T. Hari Krishna Ch.Venkata Prasad V.Sridhar Dr N.Vijaya Kumar	23-28 May, 2020	Recent Advances in Material Characterization	NITTTR, Chandigarh
52.	V.V.Venu Madhav	25th May, 2020	Introduction to graphical programming-LabView	VNR Vignana Jyothi Institute of Engineering and technology, Hyd.
53.	V.V.Venu Madhav	26th May, 2020	Insights into machine learning	Scad college of engineering and technology, Tirunelveli
54.	V.V.Venu Madhav	27th May, 2020	Robotics and automation in industrialized building system	VNR Vignana Jyothi Institute of Engineering and Technology, Hyd.
55.	V.V.Venu Madhav	27th May, 2020	Writing effective research proposals	VRSEC, Vijayawada
56.	V.V.Venu Madhav	28th May, 2020	5G technology & its applications	Sri vasavi institute of engineering and Technology, Nandamuru
57.	V.V.Venu Madhav	29th May, 2020	Introduction to design thinking	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad
58.	V.V.Venu Madhav	29th May, 2020	Being a digital entrepreneur	Scad College of Engineering and Technology, Tirunelveli
59.	V.V.Venu Madhav	30th May, 2020	Understanding building insulation	Anurag Group of Institutions, Hyderabad
60.	V.V.Venu Madhav	18-30th May, 2020	CATIA	APSSDC
61.	V.V.Venu Madhav	26-30th May, 2020	Renewable Energy and Utilization	Sandip Institute of Engineering and Management, Nashik (Maharashtra State)
62.	V.V.Venu Madhav	1st June, 2020	Ensuring quality assurance in higher education-role of industry & professional bodies	VRSEC, Vijayawada

63.	V.V.Venu madhav	3-5th June, 2020	Finite Element Analysis approach for industrial applications using ANSYS	APSSDC
64.	V.V.Venu Madhav	6th June, 2020	Preparing Ourselves to Meet Post Covid Academic Challenges	Geethanjali Institute of Science and Technology, Nellore
65.	V.V.Venu Madhav	5-7th June, 2020	Real Time Applications of CAD/CAM & Systems Engineering Industry	Swarnandhra College Of Engineering & Technology Narasapur
66.	V.V.Venu Madhav	7th June, 2020	Advanced Techniques for Energy Efficient Devices and MATLAB Coding	Shri G. S. Institute of Technology & Science, Indore
67.	V.V.Venu Madhav	4-8th June, 2020	Recent Advances in 3 D Printing Technologies	Dhanekula Institute of Engineering & Technology, Vijayawada
68.	V.V.Venu Madhav	8th June, 2020	Desiccant Based Dehumidification & Cooling System	MIC College of Technology, Kanchikacherla
69.	V.V.Venu Madhav	8th June, 2020	Fundamentals of Multiphase Flow & its Modelling	MIC College of Technology, Kanchikacherla
70.	V.V.Venu Madhav	10th June, 2020	Fundamentals of Bearings and its Manufacturing for Automotive Applications	MIC College of Technology, Kanchikacherla
71.	V.V.Venu Madhav	10-12th June, 2020	Simulating Conventional and Additive manufacturing Processes	APSSDC
72.	V.V.Venu Madhav	11th June, 2020	Micro-Mechanics of Polymer Nano-Composites	MIC College of Technology, Kanchikacherla
73.	V.V.Venu Madhav	12th June, 2020	Friction Stir Processing: A Novel Solid-State Grain Refinement Technique	MIC College of Technology, Kanchikacherla
74.	V.V.Venu Madhav	13th June, 2020	Advancements in Robotics	MIC College of Technology, Kanchikacherla
75.	V.V.Venu Madhav	1-13th June, 2020	Solid Edge	APSSDC, A.P.
76.	V.V.Venu Madhav	14th June, 2020	Basics of Condition Monitoring with introduction to various CM techniques & Case studies	Shri G. S. Institute of Technology & Science, Indore (M.P.)

77.	V.V.Venu Madhav	9-14th June, 2020	Research And Development in Materials Behaviour, Processing and Characterization Techniques	GLA University, Madhura (U.P.)
78.	V.V.Venu Madhav	12-14th June, 2020	Future Advancements and Applications of Internet of Things	Sandip Institute of Engineering and Management, Nashik
79.	V.V.Venu Madhav	15-19th June, 2020	Composite Materials and Structures	Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal
80.	Dr. N.Vijaya Kumar	13th May, 2020	Transition of welding process with robotic system	Sathyabama institute of science and Technology, Chennai
81.	Dr. N.Vijaya Kumar	14th May, 2020	E-Vehicles for sustainable transportation	Geethanjali institute of science and technology, Nellore
82.	Dr. N.Vijaya Kumar	27th May, 2020	Writing effective research proposals	VRSEC, Vijayawada
83.	Dr. N.Vijaya Kumar	30th May, 2020	Welding as a career	LBRCE, Mylavaram
84.	Dr. N.Vijaya Kumar	10-12th June, 2020	Outcome Based Education	NRI Institute of Technology
85.	A.N. Phani Deepthi	14 th may 2020	One Day online workshop on Research scopes in composite materials	Chennai Institute of Technology, Chennai
86.	A.N. Phani Deepthi	26 th To 30 th May 2020	Five Day FDP on Emerging Technologies in Robotics	Malla Reddy Engineering College, Secunderabad, Telangana.
87.	A.N. Phani Deepthi	30 th May 2020	One Day Webinar on Understanding Building Insulation	Anurag University, Ghatkesar, Telangana
88.	A.N. Phani Deepthi	6th June, 2020	Internal Quality Assurance Cell(IQAC)	Narayana Engineering College, Guduru
89.	G.Sridhar Babu	8th June, 2020	Career Opportunities for Graduate Mechanical Engineers	NTTF
90.	B.Supraja Reddy	27 th May, 2020	Writing Effective Research Proposals	V R Siddhartha Engineering College, Vijayawada.

91.	B.Supraja Reddy	30 th May, 2020	Understanding Building Insulation	Anurag Group of Institutions, Hyderabad.
92.	G.Srivalli	30 th May 2020	One Day Webinar on Understanding Building Insulation	Anurag University, Ghatkesar, Telangana
93.	G.Srivalli	4 th -9 th May 2020	Research Challenges and Opportunities post COVID-19 (RECOP 2020)	Sri Vasvai Engineering College, Tadepalligudem, Ap
94.	G. Jamuna Rani	10 th -15 th May 2020	Faculty Awareness program on NAAC Accreditation	Shri Chhatrapati Shivajiraje College of Engineering , Pune
95.	G. Jamuna Rani	23 rd -28 th May 2020	Recent Advances in Material Characterization	National Institute Of Technical Teachers and Research Chandigarh
96.	G. Jamuna Rani	4 th -9 th May 2020	Research Challenges and Opportunities post COVID-19 (RECOP 2020)	Sri Vasvai Engineering College, Tadepalligudem, Ap
97.	G. Jamuna Rani	14 th May 2020	Faculty Program on NBA	Bharati Vidyapeeth College Of Engineering, Mumbai
98.	G. Jamuna Rani	27 th May 2020	Robotics and Automation in Industrialized Building System	VNR Vignana Jyothi of Engineering and Technology
99.	G. Jamuna Rani	27 th May 2020	Effective Research Proposals	IQAC and Dept of CSE, VRSEC
100.	G. Jamuna Rani	30 th May 2020	Understanding Building Insulation	ISHARE Deccan Chapter, Anurag Group of Institutions, Telangana
101.	G. Jamuna Rani	26 th May 2020	Insights of Machine learning	Dept of Communication Engg, Vellore Institute of Technology
102.	G. Jamuna Rani	20 th April 2020	How to Publish A high Quality Paper	IEEE India operations
103.	G. Jamuna Rani	28 th May 2020	5G Technology & its Applications	Sri Vasavi Institute of Engg. & Technology, Nandamuru

104.	Dr A.Venkateswarlu	8-10th June, 2020	Fluid & Structural Simulation using CRADLE	LBRCE, Mylavaram
105.	D. PardhaSaradhi	4 th -8 th June, 2020	Recent Advances in 3D Printing Technologies	Dhanekula Institute of Engineering and Technology, Ganguru
106.	D. PardhaSaradhi	9 th -14 th June, 2020	Research and Development in Materials Behaviour, Processing and Characterization Techniques	GLA University, Mathura
107.	D. PardhaSaradhi	10 th -12 th June, 2020	Simulating Conventional and Additive Manufacturing Process	APSSDC
108.	D. PardhaSaradhi	12 th -14 th June, 2020	Future Advancements and Applications of Internet of Things	Sandip Institute of Engineering and Management, Mahiravani, Nashik
109.	D. Pardha Saradhi	8 th June, 2020	Carrer opportunities for Graduate Mechanical Engineers	NTTF School of Post Graduates in association with Narayana Junior College
110.	D. Pardha Saradhi	8 th June, 2020	Desiccant based dehumidification and cooling system	MIC College of Technology, Kanchikacherla
111.	D. Pardha Saradhi	8 th June, 2020	Fundamentals of multiphase flow and its modelling	MIC College of Technology, Kanchikacherla
112.	D. Pardha Saradhi	10 th June, 2020	Fundamentals of bearings and its manufacturing for automotive applications	MIC College of Technology, Kanchikacherla
113.	D. Pardha Saradhi	11 th June, 2020	Micro – mechanics of polymer nano - composites	MIC College of Technology, Kanchikacherla
114.	D. Pardha Saradhi	12 th June, 2020	Friction stir Processing: A novel solid-state grain refinement technique	MIC College of Technology, Kanchikacherla
115.	D. Pardha Saradhi	13 th June, 2020	Advancements in robotics	MIC College of Technology, Kanchikacherla
116.	D. Pardha Saradhi	14 th June, 2020	Basics of Condition Monitoring with introduction to various CM techniques & Case studies	ShriG.S. Institute of Technology and Science, Indore(M.P)
117.	V. Sambasiva Rao	4 th -8 th June, 2020	Recent Advances in 3D Printing Technologies	Dhanekula Institute of Engineering and Technology, Ganguru

118.	V. Sambasiva Rao	9 th -14 th June, 2020	Research and Development in Materials Behaviour, Processing and Characterization Techniques	GLA University, Mathura
119.	V. Sambasiva Rao	10 th -12 th June, 2020	Simulating Conventional and Additive Manufacturing Process	APSSDC
120.	V. Sambasiva Rao	12 th -14 th June, 2020	Future Advancements and Applications of Internet of Things	Sandip Institute of Engineering and Management, Nashik
121.	V. Sambasiva Rao	8 th June,2020	Desiccant based dehumidification and cooling system	MIC College of Tech, Kanchikacherla
122.	V. Sambasiva Rao	10 th June, 2020	Fundamentals of bearings and its manufacturing for automotive applications	MIC College of Tech, Kanchikacherla
123.	V. Sambasiva Rao	12 th June, 2020	Friction stir Processing: A novel solid-state grain refinement technique	MIC College of Tech, Kanchikacherla
124.	V. Sambasiva Rao	13 th June, 2020	Advancements in robotics	MIC College of Tech, Kanchikacherla
125.	V. Sambasiva Rao	14 th June, 2020	Basics of Condition Monitoring with introduction to various CM techniques & Case studies	ShriG.S.Institute of Technology and Science, Indore(M.P)
126.	M. Jogendra Prasad	5th May, 2020	Role of IQAC in Higher Education Institutions	Sri GVG Visalakshi College for Women, Udumalpet.
127.	M. Jogendra Prasad	10th May, 2020	The new Face of Higher Education after COVID-19	Acharya Nagarjuna University, Guntur
128.	M. Jogendra Prasad	14th May, 2020	AI & Machine Learning	Sri Eshwar College of Engineering, Chennai
129.	M. Jogendra Prasad	11-16th May, 2020	ICT Tools	Sree Vidyanikethan Engineering College, Tirupati
130.	M. Jogendra Prasad	15th May, 2020	Opportunities in Marine Field	Aarupadai Veedu Institute of Tech., Tamilnadu.
131.	M. Jogendra Prasad	15th May, 2020	Cyber Security	Sri Eshwar College of Engineering, Chennai.

132.	M. Jogendra Prasad	15th May, 2020	Desiccant based dehumidification And cooling system	Jai Shriram Engineering College, Tiruppur.
133.	M. Jogendra Prasad	16th May, 2020	Leadership Talk with Dr. Pramod Chaudhari.	MHRD's Innovation cell
134.	M. Jogendra Prasad	27th May, 2020	ACS Guide for Scholarly Communication expert advice for early career Researchers.	ACS Publications
135.	M. Jogendra Prasad	2-6th June, 2020	Emerging Trends in Mechanical Engineering	St. Peter's Engineering College, Hyderabad.
136.	M. Jogendra Prasad	6th June, 2020	Research Scopes on Metal additive Manufacturing	Sri Ramakrishna Institute of Tech., Coimbatore.
137.	M. Jogendra Prasad	13th June, 2020	Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment)	MHRD's Innovation cell

GUEST LECTURES ORGANISED



- 1) A Guest Lecture is organized by the department of mechanical engineering on Nano-functional materials & coatings for eco-friendly solar-thermal and PV applications” by Dr.S.SAKTHIVEL , Scientist ‘F’ from Centre for Solar Energy Materials, International Advanced Research Centre , for powder metallurgy and new materials (ARCI) Balapur PO, RCI Road Hyderabad on 25/01/2020

DOCTORAL DEGREES AWARDED

Mr. M. Jogendra Prasad, working as Assistant Professor in the department of mechanical engineering was awarded Ph.D degree specialization is Thermal Engineering from I I T Chennai in the month of June 2020.

GUIDING Ph.D

SI.No	Name	Designation	Name of the scholar	University & Date of Registration
1.	Dr. AV Ratna Prasad	Professor	K.Ramanaiah G.Vijay Prakash P.Srinivasa Rao G.Rajesh	JNTUA 2009 ANU 2011 KLU 2012 JNTUH,2008(Completed)
2.	Dr. N.Vijaya Sai	Professor	A.Satyanarayana P.Nanda Kishore U.Hari Babu P.Kishore Kumar	JNTUH,2009 JNTUK, 2010 ANU 2011 JNTUK 2016
3.	Dr.N.RaviKumar	Professor	K.Ranga Rao (A L C) G.Prabhakar	AU 2013 JNTUK, 2015
4.	Dr. V. Bala Krishna Murthy	Professor	N.Vijeta S.Ram Babu Y.Sai Babu V.Venu Madhav V.Srinivasa Sai V.Mohan Manoj	JNTUK 2010 JNTU A, 2010 JNTU A 2010 JNTUH 2012 GITAM,2014(submitted) JNTUK 2016
5.	Dr. C.Naga Raju	Professor	U.Koteswara Rao PSK Reddy V.Sudheer Kumar K.Ravi Kumar A,Shyam Prasad Ch.Rama Krishna	NITW,2011 ANU, 2011 ANU, 2011 JNTU K, 2013 JNTUK,2016 JNTUK,2016
6.	Dr.G.Dilli Babu	Associate Professor	K. Obulesu Tapela M.Sarath Babu B.Yedukondalu	JNTU K, 2016 JJTU, Rajasthan,2015 Annamalai , 2019
7.	Dr.K.Naga Malleswara Rao	Associate Professor	M.Peeraiah	JNTU K, 2016

RESEARCH GRANTS RECEIVED

S.No	Name(s) of the coordinators	Title of the project and duration	Sponsoring agency & Letter No & Date	Amount of the grant state the amount released till now
1.	Dr. S Srinivasa Prasad, Dr. B Raghava Rao, Dr. V Balakrishna Murthy	Hydrodynamic and Acoustic Analysis of a Metallic and Composite Marine Propeller & Six Months	Naval Science & Technological Laboratory (NSTL), Visakhapatnam (DRDO laboratory)	Rs.6.0 Lakhs

RESEARCH AND DEVELOPMENT PROJECTS APPLIED

S.No	Name(s) of the coordinators	Title of the project and duration	Sponsoring agency	Amount of the grant	Date of Application
1	Dr. G DilliBabu & Dr.M.Balaji (Co-PI)	Design and Development of Nano-composites for Thermal Insulation and Acoustic Absorption & 36 Months	Science and Engineering Research Board (SERB – SUPRA scheme)	40,98,000/- (Rupees Forty Lakhs Ninty Eight Thousand)	29 th Nov' 2019
2	Dr. B. Raghava Rao (PI) & Dr. A. V. Ratna Prasad (Co-PI) Dr. V. Balakrishna Murthy (Mentor)	EPDM thermal analysis of P2 CRMC & 09 Months	CPDC, ASL, DRDO, Hyderabad	16,00,000/- (Rupees Sixteen Lakhs)	05 th Dec' 2019
3	Dr. M. B. Chennaiah & Smt. G. Srivalli	Biodegradable Polymer Filter Made From Fiber Composites For Addition Of Nutrients To Water & 48 Months	Biotechnology Industry Research Assistance Council (BIRAC) & National Biopharma Mission (NBM)	41,49,000/- (Rupees Forty-One Lakhs Fourty-Nine Thousand)	27 th Dec' 2019
4	Dr. S. Srinivas Prasad & Dr C Mahesh	Design and development of solar driven ultrasonic vaporization desalination plant for brackish water treatment used for irrigation in coastal region & 36 Months	AICTE- Research promotion Scheme (RPS)	24,70,000/- (Rupees Twenty Four Lakhs Seventy Thousand)	30 th Dec' 2019
5	Dr. S. Srinivas Prasad	Treatment of Saline Water for Irrigation by Solar Driven Ultrasonic Vaporization Method & 36 Months	SERB-CRG	23, 31, 000/- (Rupees Twenty Three Lakhs Thirty One Thousand)	06 th March 2020

CONSULTANCY DETAILS

S.No	Nature of the work	Faculty Involved	Agency to which consultancy is offered	Date	Revenue earned (Rs.)
1.	Tensile & Flexural test	Dr. N.Vijay Kumar & Dr.N.Vijaya Sai	K L S Lalithya Vishnu institute of technology, Bhimavaram	26-07-2019	3,540
2.	Surface Roughness	Dr. G.Dilli Babu	T.Rishitha, Sri Vishnu Dental College, Bhimavaram	05-08-2019	2,950
3.	Tensile& Flexural & Impact Testing of composites	Dr. N.Vijay Kumar & Sri K. Ramanaiah	N Jahnavi Chandrika DMS & SVH college of Engineering, Machilipatnam	23-11-2019	4,956
4.	Composite Tensile & Impact test	Dr. N.Vijay Kumar & Dr.N.Vijaya Sai	P Ganesh R V R & JC , GUNTUR	16-12-2019	2,124
5.	Fabrication of R C components	Dr. N.Vijay Kumar	M. Kalyan VKR , VNB & AGK college of Engineering, Gudivada	27-12-2019	5,045
6.	Wear Test	Dr.N.Vijay Kumar	VNIT, Nagpur	20-01-2020	590
7.	Sonication	Dr.N.Vijay Kumar	PVP SIT Vijayawada	22-01-2020	744
8.	Sonication	Dr.N.Vijay Kumar	PVP SIT Vijayawada	22-01-2020	744
9.	Tensile Test, Flexural Test	Dr.N.Vijay Kumar & Dr.N.Vijaya Sai	H. Uday Kiran MIC College of Engineering and Technology	03-02-2020	8,496
10.	Impact Test	Dr.N.Ravi Kumar	Mr. V. Taraka Siva Kumar DMS&SVH College of Engineering, Machilipatnam	12-02-2020	1,180
11.	Performance Analysis of Bio Diesel	Dr.K.Srinivas	M.Ashok Kumar Usha Rama College Of Engineering and Technology Telaprolu	17-02-2020	5,900
12.	Length Measurements	Dr.N.Vijay Kumar	T. Midhun Naga Chakravarthy, PVP SIT, Vijayawada	22-02-2020	2,478
13.	Flexural Test	Dr.N.Vijay Kumar	G. Sai Usha Rama College Of Engineering and Technology, Telaprolu	25-02-2020	1,888
14.	Testing of Composites	Dr.N.Vijay Kumar & Sri K.Ramanaiah	K.Mani Kishore SASI Institute of Technology and Engineering, Tadepalligudem.	26-02-2020	3,186
15.	Tensile Test, Impact Test	Dr.N.Vijay Kumar & Dr.N.Ravi Kumar	K.Mani Kumar, NRI Institute of Technology and Engineering	28-02-2020	6,018

16.	Tensile test	Dr.N.Vijay Kumar	A.Mani Manoj PVP SIT, Vijayawada	28-02-2020	2,301
17.	Testing of Composites	Dr.N.Vijay Kumar & Sri K.Ramanaiah	B.Ramesh, SASI Institute of Technology and Engineering, Tadepalligudem.	02-03-2020	10,000
18.	Testing of Composites	Dr.N.Vijay Kumar & Sri K.Ramanaiah	B.Ramesh, SASI Institute of Technology and Engineering, Tadepalligudem.	02-03-2020	9,765
19.	Testing of Composites	Dr.N.Vijay Kumar & Sri K.Ramanaiah	ASV Teja etc. Sasi Institute of Technology and Engineering, Tadepalligudem	03-03-2020	5,310
20.	Flexural Test	Dr.N.Vijay Kumar	B.Sandeep, MIC College of Technology, Kanchikacherla	05-03-2020	9,027
21.	Performance Analysis of Bio Diesel	Dr.K.Srinivas	Umesh Kumar Singh, R Sunny, Sanjeev, Eluru College of Engineering & Technology	06-03-2020	9,440
22.	Performance Analysis of Bio Diesel	Dr.K.Srinivas	M.Vamsi, JV Suresh, P Jagan, V Ananthavenu, T.Bhanu Prakash, Amrita Sai Institute of Science and Technology	06-03-2020	7,080
23.	Testing of Composites	Dr.N.Vijay Kumar & Dr.A.V.Ratna Prasad	B.Nagasri, SRK Institute of Technology, Vijayawada	10-03-2020	590
24.	Tensile, flexural and impact testing	Dr.N.Vijay Kumar & Dr.A.V.Ratna Prasad	B.V.sweron Kumar and D.Gopi Reddy, St. Anns College of Engineering & Technology, Chirala	12-03-2020	1,770
25.	Tensile, flexural and impact testing	Dr.N.Vijay Kumar & Dr.A.V.Ratna Prasad	Ch. Doom Sai, J. Joji Babu. B.V.C College of Engineering, Rajamahendravam	16-03-2020	6,490
26.	Tensile, flexural and impact testing	Dr.N.Vijay Kumar & Dr.N.Vijaya Sai	V.Bhanu Teja, QIS College of Engineering, Ongole	17-03-2020	1,416
27.	Average Surface Roughness	Dr.G.Dilli Babu & Dr. Ch.Nagaraju	M.Chaitanya Reddy, VFSTR Vadlamudi, Guntur	16-06-2020	3,540
28.	Testing of Composites	Dr.N.Vijay Kumar & Dr.N.Vijaya Sai	A.D.S.Prasad, Sasi Institute of Technology & Engineering, Tadepalligudem	18-06-2020	4,956

JOURNALS EDITED / REVIEWED

S.No	Name of the faculty & Dept	Name of the Journal with details	Title of the paper state, if full edition	Publisher	Month & Year of publication
1	G. Jamuna Rani	International Journal of Ambient Energy	Experimental Investigation of the Performance, Combustion and Emission characteristics on a Diesel engine operated with TiO ₂ nano additive Calophyllum Inophyllum biodiesel blends	Taylor & Francis	February 2020
2	V. Balakrishna Murthy	Materials Today Proceedings	Effect of Wiper on Thermal Stresses during Direct Chill Casting of Magnesium Alloy	Elsevier	January 2020
3	Dr. V. Balakrishna Murthy	Materials Today Proceedings	Numerical Simulation of Contact Behavior between Rail Wheel and Rails of Road cum Rail Vehicle	Elsevier	June 2020
4	V. Sudheer Kumar	Journal of The Brazilian Society of Mechanical Sciences and Engineering	Machining of Inconel 718 with defined geometry tool of the process of electro-erosion: a review BMSE-D-19-01556R2 (Reviewer 2)	Springer	23 rd February 2020
5	V. Sudheer Kumar	Journal of The Brazilian Society of Mechanical Sciences and Engineering	The fault diagnosis method of rolling bearing under variable working condition based on deep transfer learning BMSE-D-19-02787	Springer	27 th March 2020
6	V. Sudheer Kumar	Journal of The Brazilian Society of Mechanical Sciences and Engineering	Rolling bearing fault diagnosis using improved Deep Belief Network structure optimized by DA BMSE-D-19-02350	Springer	4 th May 2020

7	Dr. M. Balaji	Applied Soft Computing, Impact Factor: 4.873, SCIE, SCOPUS	Optimization of varying-parameter drilling for multi-hole parts using metaheuristic algorithm coupled with self-adaptive penalty method	Elsevier	Feb 2020
8	Dr. M. Balaji	Journal of the International Measurement Confederation	Analysis of grinding parameters in machining IBR of aero-engine Measurement	Elsevier	23 rd March 2020
9	K.Ramanaiah	Materials Today Proceedings	Surface Modification Techniques of Titanium and Titanium alloys for Biomedical Dental Applications: A Review	Elsevier	12 th May, 2020
10	K.Ramanaiah	Textile Research Journal	The usefulness of 'hidden' units of specific stress	Sage	15 th May, 2020
11	Dr.A.Venkateswarlu	Environment, Development and Sustainability (ENVI)	Environmental Preservation amidst Carbon Emissions, Energy Consumption, and Urbanization in Selected African Countries: Implication for Sustainability." Environment, Development and Sustainability (ENVI-D-20-00615)	Elsevier	7 th May 2020
12	Dr.A.Venkateswarlu	Environment, Development and Sustainability (ENVI)	Quantitative Assessment of Landscape Transformation Due to Coal Mining Activity using Earth Observation Satellite Data in Jharsuguda Coal Mining Region, Odisha, India (ENVI-D-20-00158)	Elsevier	16 th March 2020
13	Dr.A.Venkateswarlu	Environment, Development and Sustainability (ENVI)	Environmental Impact Index For Tidal Power Plants In Amazon Region Coast (ENVI-D-20-00162)	Elsevier	16 th March 2020

EQUIPMENT AND FURNITURE PURCHASED: Rs. 29,62,926.84/-

S.No	Name of equipment/Furniture	Laboratory	Amount spent (in Rs.)	
1.	Coordinate Measuring Machine	METROLOGY LAB	18,88,000	
2.	Aluminium cabin with door		58,695	
3.	False ceiling		17,955	
4.	Tiles flooring with labour charge		19,950	
5.	Skirting tiles		800	
6.	Stage dismantling and cleaning		3,000	
7.	LED lights and electrical works		10,000	
8.	A.C 1.5Ton (1No's)		40,000	
9.	Computer chairs(2No's)		8,000	
10.	Computer tables(1 No's)		6,000	
11.	Aluminium Cabin(2 No's)	WORKSHOP	1,44,400	
12.	False ceiling (2No's)		71,280	
13.	Vinyl flooring (2No's)		39,600	
14.	Miscellaneous items (doors)		15,000	
15.	Consumables and tools		65,925.84	
16.	Split Ac 1.5 Ton (2 No's)		1,30,000	
17.	Three System Computer Tables (5 No's)		45,000	
18.	Electronic Work Benches With Top Hood (3 No's)		21,000	
19.	Computer Chairs (12)		21,600	
20.	Stools (10 No's)		20,000	
21.	Electrical Items And Wiring Including Labour Charges		1,79,375	
22.	20mm Mild Steel Round Rod	MACHINE SHOP	86,872	
23.	White Cotton Waste			
24.	HSS Cutting tools			
25.	Grinding wheels to cut iron rod			
26.	60 gear oil			
27.	S A E 40 engine oil			
28.	V Belts			
29.	S A E20/40 Engine oil			
30.	Hand gloves			
31.	First aid kit & cleaning soap			
32.	Distribution Board with MCB			20,574
33.	HP Laser printer (4 No's)			COMPUTER LAB
34.	Furniture Manufacturing Cell	FURNITURE MANUFACTURING CELL	7,500	

TRAINING & PLACEMENT (B.Tech)

S. No.	Enrollment no.	Name of the student placed	Name of the Employer
49	169W1A1096	Pulugujju Bhavani Venkata Prasad	NUCLEUS SATELLITE
50	168W1A0327	Killani Shanmukha Rao	NUCLEUS SATELLITE
51	168W1A0352	Thota Venkata Srikanth	NUCLEUS SATELLITE
52	168W1A0358	Yalavarthi Ganesh	NUCLEUS SATELLITE
53	168W1A0387	Kommineni Venkata Sai Krishna	NUCLEUS SATELLITE
54	168W1A0390	Kuvvarapu Kuvvarapu Prabhas	NUCLEUS SATELLITE
55	168W1A0398	Mutha Trinadh	NUCLEUS SATELLITE
56	168W1A03A2	Padala Suresh	NUCLEUS SATELLITE
57	168W1A03H1	Vemula Gnaneswara Rao	NUCLEUS SATELLITE
58	178W5A0302	Bogaraju Sai Ram	NUCLEUS SATELLITE
59	178W5A0315	Devarakonda Vijay Kumar	NUCLEUS SATELLITE
60	178W5A0317	Jalluri Sateesh Babu	NUCLEUS SATELLITE
61	178W5A0320	Tadanki Manoj	NUCLEUS SATELLITE
62	168W1A0319	Chaitanya Gangu	RELIANCE INDUSTRIES
63	168W1A0303	A Keerthi	Accurate
64	168W1A0312	Ch.Srilekha	Accurate
65	168W1A0324	J.Durga Devi	Accurate
66	168W1A0348	Shaik Karishma	Accurate
67	168W1A0364	A. Raja Manohar	Accurate
68	168W1A0375	D.Ajay	Accurate
69	168W1A0392	M.Naveenbabu	Accurate
70	168W1A03A7	S.Sriram	Accurate
71	168W1A03A8	S Kartik Raju	Accurate
72	168W1A03D1	CH.krishnakanth	Accurate
73	168W1A03G0	Naga Raju	Accurate
74	178W5A0311	Ms.Pavan Kumar	Accurate
75	178W5A0312	CH.Chenna Kesava Rao	Accurate
76	188W1D0401	B Siva Kumar	Accurate
77	188W1D0403	CH Chandra Sekhar Reddy	Accurate
78	188W1D0407	M Siva NagaRaju	Accurate
79	188W1D0408	P Yesu Babu	Accurate
80	188W1D0404	Faisal	Accurate
81	188W1D0402	CH Kishore	Accurate
82	188W1D0406	M Ravi Teja	Accurate

PAPER PUBLICATION OF STUDENTS

* International Journals

S.No	Name	Title of the paper	Publication Details	Year of publication
1	B.Navaneeth Babu, Ch.P.N. Vaishnu Sai	A hybrid methodology for optimizing MIG welding process parameters in joining of dissimilar metals	Materials Today Proceedings ISSN: 2214-7853, Volume 23, part 3	2020
2	V. Lakshmi Narayana	Influence of nanoadditive Chlorella vulgaris microalgae biodiesel blends on the performance and emission characteristics of a DI diesel engine	International Journal of Ambient Energy, ISSN:0143-0750 2162-8246	February, 2020
3	Ch. Ravi Teja,	Ocean Wave Energy- A Step Towards Recharging Batteries	Test Engineering and Management,ISSN:0913-4120, Volume 82, PP: 8774-8780	Jnauary-February, 2020
4	S.Venkatesh	Evaluation of Steering Angles Through Four Bar Link Mechanism	International Journal of Scientific and Engineering Research Volume 11, Issue 1, ISSN 2229-5518	Jnauary 2020
5	A. H. R. Madhuri	Optimization of Injection Pressure and Compression Ratio of VCR CI Engine Fueled with Waste Plastic Oil Blended with Diesel	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(E): 2249-8001	June 2020

International Conferences:

S.No	Name	Title of the paper	Publication Details	Year of Conference
1	G. Vamsi Babu	Numerical Modeling of Conjugate Heat Transfer in Rocket Nozzle	ICRAME-2020 organized by Department of Mechanical Engineering, Andhra University College of Engineering (A), Visakhapatnam-530 003, Andhra Pradesh, India.	26 th to 28 th February-2020
2	K. Hima Teja	A Numerical Model to Study the Fluid-Structure Interaction at a Bridge Pier	International Conference on Innovations in Thermo-Fluid Engineering and Sciences (ICITFES-2020) NIT Rourkela, India.	10 th -12 th February 2020

No. of Students qualified in competitive exams (outgoing batch):

Department	GATE	GRE	ILETS
Mechanical Engineering	03	03	04

AFOSEC 2020

Department of Mechanical Engineering organized different events like Paper Presentation, Poster Presentation, Technical Quiz, 2D-Drafting (AutoCAD), Screw it, Junkyard wars, Robo-race, Robo-buzz(soccer), Robo-war, Thrust Rocket, JAM (Just a Minute) and Mousetrap racer at Annual Fest of Siddhartha Engineering College – 2020 (AFOSEC-2020). Students of various engineering colleges participated in large number.







DEPARTMENT OF MECHANICAL ENGINEERING
V.R. SIDDHARTHA ENGINEERING COLLEGE
Kanuru, Vijayawada - 520 007.