



PVPSIT

Department of Mechanical Engineering

NEWS LETTER

January – June, 2021

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The Department of Mechanical Engineering has been in existence ever since the college started in year 1998. Department is affiliated to JNTU since 1998. B. Tech. Program is accredited by NBA-AICTE in May 2007 for 3 years and provisionally accredited for 2 years in June 2012 and is certified by ISO 9001:2015 certification. Once again it is provisionally accredited for 3 years under OBE in the year 2016 and got 4th time accreditation under OBE Tier-1 in 2019 for 3 academic years.

Numerous research papers have been published in National and International Journals and Conferences. The Department arranges guest lectures by eminent professors from India and abroad, scientists from research organizations and experts from industry to bridge the gap between academics and industry. Faculty members are encouraged to improve their academic qualification and to gain experience by attending FDPs, workshops, conferences etc. They are also encouraged to present research papers at workshops and conferences, and to participate in co-curricular and extracurricular activities.

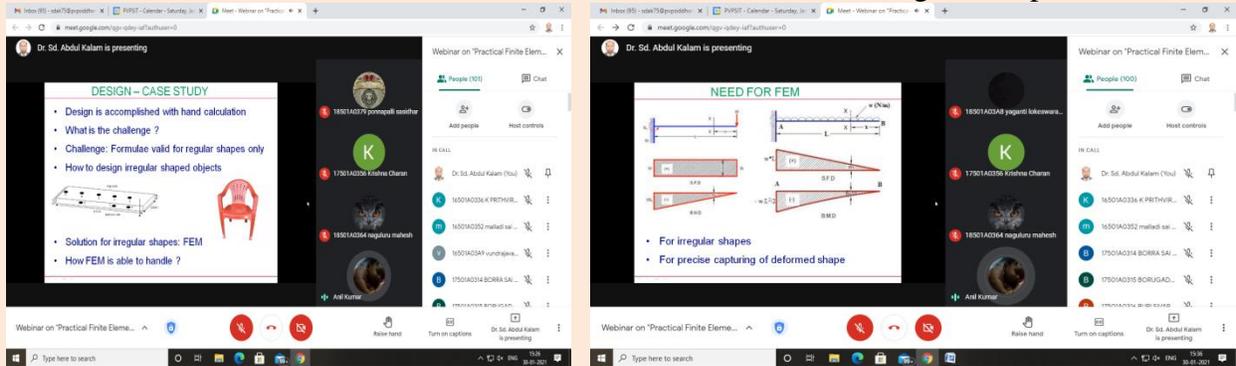
The Department promotes active industry-institute collaboration by organizing workshops and by taking part in sponsored research projects and consultancy services. Visits to the industries for faculty and students are frequently arranged to enhance the practical exposure with the real corporate world. Department also organizes programmes like Alumni interaction sessions with current students and make them familiar with specific market requirements and demands.

Contents

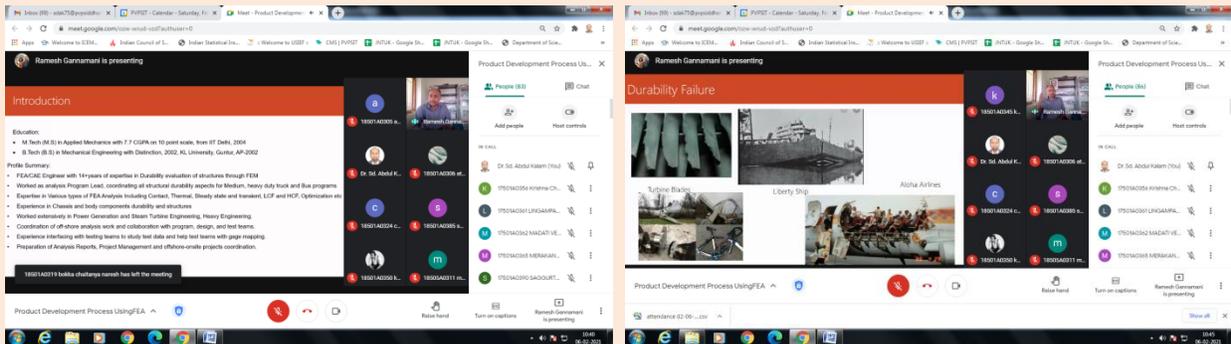
- ◆ *Guest Lectures / Workshops Organized*
- ◆ *Faculty Achievements*
- ◆ *Faculty Publications/ Conferences*
- ◆ *Workshops Attended by Faculty*
- ◆ *Industrial visits*
- ◆ *Students Achievements*

1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:
The department of Mechanical Engineering organized ---

- i. A Webinar on “**Practical Finite Element Analysis**” by Dr. P. Anil Kumar, Scientist F, Research Centre Imarat, Defence R&D Organization (DRDO), Hyderabad for III & IV -B. Tech. ME students and staff on 30.01.2021 at 02:00 PM in the Google meet platform.



- ii. A Webinar on “**Product Development process using FEA**” by Sri. G. Ramesh, FEA Structural durability consultant, Finitum Tech., Velivenu, West Godavari District, A.P. for III & IV -B. Tech. ME students and staff on 06.02.2021 at 10:30 AM in the Google meet platform.



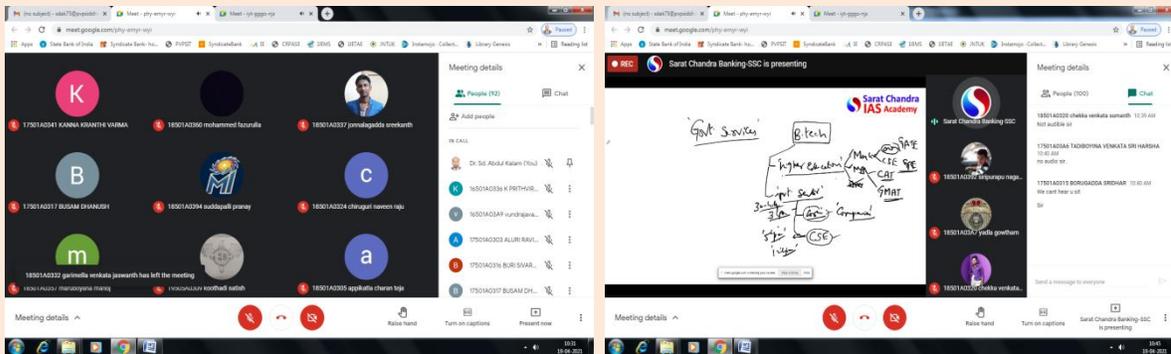
- iii. A Guest Lecture on “**Arrow Power**” by Sri. ARK Chowdery, Director, Kusalava International Ltd., Telaprolu, Vijayawada for II-B. Tech. ME students and staff on 10.02.2021 from 02:00 PM in the Ground floor Seminar hall.



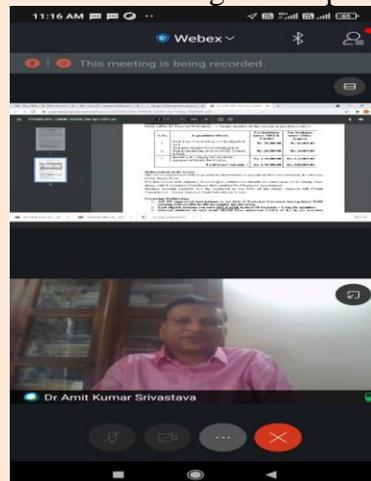
- iv. Two day **International Conference** on RECENT ADVANCES IN MECHANICAL ENGINEERING (ICRAME-2021) on 26.03.2021 and 27.03.2021 sponsored by Siddhartha Academy of General and Technical Education, Vijayawada.



- v. A Webinar on “**Career Guidance**” by Sri. Sarat Chandra, Managing Director, Sarat Chandra IAS Academy, M.G. Road, Vijayawada for III & IV -B. Tech. ME students on 19.04.2021 at 10:00 AM to 11.00AM in the Google meet platform.



- vi. Department of Mechanical Engineering organized online interaction with students on YUVAK scheme by Dr. Amit Kumar Srivastava, Director, Student Development Cell (St.DC), All India Council for Technical Education (AICTE) for II & III-B. Tech. ME students on 02.06.2021 at 11:00 AM in the Google meet platform.



2. Papers presented in Seminars/Conferences/Symposiums by the faculty:

- i. Ch. V. S. S. Vivek , G. V. R. D. Eswar , Dr. K. Srividya , Ch. Mohan Sumanth ,J.Surendra, K. Krishna Kanth, “Cruise Control System Using Electro-Magnetic Force” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- ii. V. Sai Madhav, V.Naga Manoj, T. Naga Gopi, M. Venkatesh, Dr. K. Srividya, M.V.H.Satish Kumar, “Fabrication of sentry plant fibre and banana fibre based hybrid composite” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- iii. Dr.P.Phani Prasanthi, Dr.K. SivajiBabu, Ch. Vidya, “Simulating the Health Impact Of Particulate Matter Using Multipath Particle Deposition Model (MPPD), International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- iv. Srikar Gemaraju , Kiran Kumar Yadav Aerra, Phaneendra Kumar Kopparthi, Bhaskara Rao Pathakokila, Ismail. Kakaravada, “Mechanical properties of Glass Fibre Reinforced composites in addition to TiO₂ particles”, International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- v. U Koteswara Rao, Naidu Govardhan, P Mahesh, Y Rajesh, Sk Azees Rehman, “Design and fabrication of Mechanical Chemical Sprayer” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- vi. O N V P Bhagavan Kumar, Dr. Eswaraiah Punna, Dr. G. Vijay Kumar, “A Review On Universal Grippers Used In Industrial Robot Applications” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- vii. K. I. V. Vandana, M. Rajyalakshmi, S. Naga Kumar, “Abrasive Water Jet Machining- A Review on current development” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- viii. M. Radhadevi, Dr. V. Balakrishna Murthy, “Modelling of infinitely wide SLJ in laminated FRP composite” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- ix. T. Arun Kumar, Sd. Abdul Kalam, G. Bala Krishna, P. Ravi Kumar, P. Tharun Kumar, “ Dynamic Analysis of Hydraulic Actuated Mandrel” International Conference on Recent

- Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
- x. K. Venkatarao, Ismail Kakaravada, A. Venkata Jayasri, A. Bharathi Lakshmi, K. Ramana Sai, K. Pavan Kalyan, “Effect of chemical treatment on mechanical properties of natural fiber composites” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
 - xi. Balakrishna. G, B. Raghu kumar, B. Balakrishna, “Multiple objective optimization of process factors in friction stir welding on casted AlSi10Mg plates with Taguchi -grey relational analysis” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
 - xii. MurahariKolli, K.Ravi Prakash Babu, Nageswara Rao Medikonda, “Investigation on Material Removal Rate and Taper Angle in Abrasive Aqua Jet Machining of Al 7075/SiC/Gr Composites Using RSM Approach” International Conference on Recent Advancements in Mechanical Engineering (ICRAME) 2021, 26th& 27th March 2021, Department of Mechanical Engineering, PVPSIT.
 - xiii. Dr. M. Naga Swapna Sri ,Dr. Anusha Peyyala, K. Ganesh, D. Prudhvi Raju, “Improving Process Parameters On Gas Tungsten Arc Welded SS316L Plates Uses Nitinol As A Filler Material”, Virtual International Conference On HVAC&R, ISHRAE Mysore Chapter, on 06.03.2021.
 - xiv. Dr. Anusha Peyyala, Dr. M. Naga Swapna Sri, K. Ganesh, D. Prudhvi Raju, K. Ajay, Vasu Nayak, “An Experimental investigation On Application Of Al 2 o 3 And Tio 2 Nano Particles In VCRS”, Virtual International Conference On HVAC&R, ISHRAE Mysore Chapter, on 06.03.2021.
 - xv. Dr.P.Phani Prasanthi, “Failure load of Jute-Coir Fibre Reinforced epoxy matrix Composites Using Micromechanics and Finite Element Method” 4thInternational Conference on “INNOVATIONS IN MECHANICAL ENGINEERING” (ICIME)-2021 held on 26th and 27thFebruary at Guru Nanak Institutions, Ibrahimpatnam, Telagana-501506.
 - xvi. T J Prasanna Kumar, P Vamsi Raj Kumar, Md Saif, Sk Abdur Rehman, Sk Abbas, “ Steady State Thermal Analysis to Investigate Total Heat Flux in a Fibre Metal Laminate for Variable Thickness” Second International Conference on Advances in Science Hub (ICASH), organized by the RSPConference Hub, Coimbatore, India, 26th and 27th June 2021.

3. Workshops/ Seminars/STTP/Conferences/Faculty Development Programmes/Awareness programmes attended by the faculty:

a) Seminars/Webinars:

- i. M. Radha Devi has attended the webinar on "Managing References Made Easy Using Free Mendeley @NIT Andhra Pradesh" at NIT- Andhra Pradesh" presented by Vishal Gupta, Senior Customer Consultant- Elsevier on 5th February,2021
- ii. Dr. G. Vijay Kumar, Dr.P.Phani Prashanthi, E.Kavitha, P. MastanRao, K.I.V.Vandana, M. Rajyalakshmi and M. Radha Devi have participated in One day webinar on "Writing Effective Research Proposals" organized by Internal Quality Assurance cell, PVP Siddhartha Institute of Technology on 9th February, 2021.
- iii. E.Kavitha, M. Rajyalakshmi and M. Radha Devi have participated in One day Webinar on "Innovation in Education Technology and Value creation in Pedagogy" organized by Internal Quality Assurance cell, PVP Siddhartha Institute of Technology on 16th February, 2021.
- iv. K I Vishnu Vandana has participated in live webinar "Virtual Classroom: Enhance Teaching through Learning Management System (LMS)" organized by EBSCO Information services on 15th June, 2021.
- v. T J Prasanna Kumar has attended the virtual Half-Day session on "Future Sustainable Buildings - Integrated Design Approach" organized by ISHRAE Vijayawada Chapter in association with CII-IGBC Amaravati Chapter on 19th June 2021.

b) Workshops:

- i. P.MastanRao, J.Surendrahave attended 5-Day National SPARC Workshop on "Fuel Cell Technology and its research opportunities (virtual event) organized by Department of Mechanical Engineering, NIT Warangal in association with University of Delaware, US at NIT Warangal from 04th -08th January, 2021.
- ii. Dr.B.Raghu Kumar has participated in the two day "Awareness workshop-NIRF INDIA RANKINGS-2021 for higher Educational Institutions" held online organized by Institute for Academic Excellence (IAE) in collaboration with Collegiate Education & Technical Education Department, Govt of Telanganaon 18th -19th January, 2021.
- iii. Dr. G. Vijay Kumar has participated in the workshop on "Grant writing under Physical Sciences domain" organized by Scheme for transformational and advanced research in sciences(STARS), Ministry of Education, IISc, Bangalore, conducted through video conferencing on 7th February,2021.
- iv. T.J.Prasanna Kumar has attended the Workshop on "3D Modelling in Fusion 360" at Shastra 2021, IIT Madras.

c) STTP/STCs:

- i. K.Venkat Rao hassuccessfully completed the self-paced training course on "Signal Processing Onramp "organized by Math works on 08th January, 2021.
- ii. M.Radha Devi has participated in One Week Online STTP on "Additive Manufacturing for Medical and Aerospace Application " at Shri Vishnu Engineering College for Women, Bhimavaram from 04th – 09th January,2021.

- iii. M.Radha Devi has successfully completed Online Programme on “Research Training” organized by MSME-Technology Development Centre (PPDC), Agra from 18th -29th January, 2021.
- iv. G. Bala Krishna has participated in 1 week online Short Term Course on " Emerging Technologies in Processing of Advanced Materials and its Characterization" organized by Rajiv Gandhi University of Knowledge Technologies - Basar from 4th – 8th January, 2021.
- v. K.Ismail has participated in an AICTE Sponsored Online Short Term Training Program on “Innovation in Materials and Industrial Automation (Phase III) at Dr. N.G.P. Institute of Technology, Tamil Nadu from 15th - 20th February, 2021.
- vi. Ch.LakshmiKanth successfully completed and received a passing grade in “Introduction to Data Science”, a course on cognitiveclass.ai powered by IBM Developer Skills Network on 14th March, 2021.
- vii. Ch.LakshmiKanth successfully completed and received a passing grade in “Machine Learning with R”, a course on cognitiveclass.ai powered by IBM Developer Skills Network on 25th March, 2021.
- viii. M. Rajyalakshmi has participated in the ‘Short Term Training Programme on Cloud based 3D EXPERIENCE – CATIA’ Organized by the Department of Mechanical Engineering, VNR VJIET from 5th – 9th April, 2021.
- ix. K. Ismail has participated in the AICTE - ISTE approved 6- Days online induction programme on " Advances in Renewable Energy Technologies: Opportunities and challenges " at Jodhpur Institute of Engineering and Technology, Jodhpur, from 6th - 12th April, 2021.
- x. K. VenkataRao and Ch. Lakshmi Kanth have successfully completed "Statistics 101" an online course, powered by IBM Developer Skills Network, on 12th April, 2021.
- xi. Ch.LakshmiKanth has successfully completed and received a passing grade in Deep Learning Fundamentals, a course on cognitiveclass.ai powered by IBM Developer Skills Network on 03rd May, 2021.
- xii. K.Venkat Rao has successfully completed and received a passing grade in Deep Learning Fundamentals, a course on cognitiveclass.ai powered by IBM Developer Skills Network on 05th May, 2021.

d) Faculty Development Programmes:

- i. G. Balakrishna has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "3D Printing & Design" at IIT Ropar from 1st to 5th February, 2021.
- ii. P MastanRao has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Storage” at Gandhi Institute of Technology and Management from 1st to 5th February, 2021.
- iii. Dr.K.Srividya,T.J.Prasanna Kumar have participated in Three Day Online Faculty Development Programme on “Recent Trends in Electric Vehicles –Phase1” at Gudlavalleru Engineering College from 17th -19th March, 2021.
- iv. Ch.LakshmiKanth,K.Ismail have participated in One week Faculty Development Programme through online mode on “Advances in Mechanical Engineering with an

emphasis on AI” at GokarajuRangaraju Institute of Engineering and Technology, Hyderabad, from 15th -20th March, 2021.

- v. T.J.Prasanna Kumar,K.Ismailhasparticipated in AICTE Sponsored Two Week Faculty Development Programme through online mode on “Strategic Methods and Tools for Product Development” at Sagi Rama KrishnamRaju Engineering College, Bhimavaram from 22nd -26th March,2021.
- vi. Dr. M. Naga Swapna Sri, Dr. P. Anusha ,M. Radha Devi, N.Raghu Ram have participated in the online Faculty Development Programme entitled “Metallurgical Aspects in Additive Manufacturing” organized by the Department of Metallurgical and Materials Engineering, NIT Andhra Pradesh, Tadepalligudem, Andhra Pradesh from 19th – 23rd April, 2021.
- vii. M.Rajyalakshmi has participated and successfully completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Basic Course in Animation Film Making” from 17th -21st May, 2021.
- viii. E.Kavitha, M. Rajyalakshmi,T.J.Prasanna Kumar have participated and successfully completed APSSDC online FDP on "Vehicle Dynamics Setup using MBD" organized by APSSDC, inassociation with Dassaultsystemes from 10/5/2021 to 14/5/2021.
- ix. Dr.P.Prashanthi has participated and successfully completed APSSDC online FDP on "Simulation for Life Sciences" organized by APSSDC, inassociation with Dassaultsystemes from 24th -29th May, 2021.
- x. K I Vishnu Vandana has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 31stMay2021 to 04th June, 2021.
- xi. Dr.P.Prashanthihas participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Role of Materials in Electric Vehicles” at PDA College of Engineeringfrom 07th – 11th June,2021.
- xii. M. Rajyalakshmi has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Advanced FDP on “Basic Course in Animation Film Making" at Film & Television Institute of India, Pune , from 21st – 25th June,2021.
- xiii. K I Vishnu Vandana has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Research Methodologies and Design Thinking for leadership, Excellence and Soft Skills" at PDPM Indian Institute of Information Technology Design and Manufacturing from 21st – 25th June,2021..
- xiv. Ismail Kakaravada has participated in one week FDP on “Recent developments in Manufacturing Technology" organized by Sreyas institute of engineering and technology from 21st –26th June, 2021.
- xv. T J Prasanna Kumar has actively participated in the One Week Online FDP on “ Emerging Trends in Thermal and Renewable Energy Systems ” organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India from 28th June to 02nd July,2021.

e) Guest Lectures:

- i. Dr.B.Raghu Kumar has attended for NBA Mock Inspection as a member of the committee for B.Tech (Mechanical Engineering) Program at Sasi Institute of Technology & Engineering, Tadepalligudem on 20th February,2021.
- ii. Dr.B.Raghu Kumar has received an appreciation letter for creating awareness on key concepts and formats for NAAC Assessment and for timely guidance at Siddhartha MahilaKalasala, Vijayawada on 08th March, 2021.
- iii. Dr.B.Raghu Kumar, T.Srinag, N.Raghuram acted as resource persons and has delivered 6 sessions for the Two-Day Workshop on NAAC SAR Submission at SreeVahini Institute of Science & Technology, Tiruvuru from 21st – 22nd March, 2021.
- iv. Dr.B.Raghu Kumar acted as a BOS Member through online mode at Vasireddy Venkatadri Institute of Technology on 22nd May, 2021.
- v. Dr.G.Vijay Kumar acted as resource persons and has delivered an innovative andinspiring expert lecture series in AICTE Sponsored One Week (Online) Short TermTraining Programme (STTP-1) on Innovations and challenges in Industry 4.0Automation and Smart Manufacturing at KallamHaranadha Reddy Institute of Technology on 12th June,2021.

f) Awareness programmes/Interaction meet/Quizzes, etc:

- i. K I Vishnu Vandana has successfully completed online assessment in “English Proficiency Quiz” organized by Inspire Softech Solutions, Chennai in the month of June, 2021.

g) Conferences:

- i. M. Rajyalakshmi, KIV.Vandana has participated and presented a paper entitled “Abrasive water jet machining –A Review on current Development” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March, 2021.
- ii. U.KoteswaraRao has participated and presented a paper entitled “Design and fabrication of mechanical chemical sprayer” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March, 2021.
- iii. G.Bala Krishna has participated and presented a paper entitled “Multi objective optimization of process parameters in Friction Stir Welding of Alsi 10mg casted alloy using TGR Analysis” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March, 2021.
- iv. K.Venkat Rao has participated and presented a paper entitled “Effect of Chemical Treatment on Mechanical properties of Natural Fiber Composites” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March, 2021.
- v. Dr.P.Phani Prashanthihas participated and presented a paper entitled “Simulating the health impact of particulate matter using multipath particle deposition model(MPPD)” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March, 2021.

- vi. M. Radha Devi has participated and presented a paper entitled “Modelling of Infinitely wide SL in Laminated FRP Composite” in the Two day International Conference on Recent Advances in Mechanical Engineering(ICRAME-2021)” at PVPSIT from 26th - 27th March,2021.
- vii. K.Ismail has presented a paper entitled “Design and Analysis of Multi-Tool Light Agriculture Vehicle” in 3rd International Conference on Intelligent Manufacturing and Energy Sustainability at Malla Reddy College of Engineering & Technology, Hyderabad from 18th -19th June,2021.
- viii. T.J.Prasanna Kumar has participated and presented a paper entitled “Steady State Thermal Analysis to Investigate Total Heat Flux in a Fiber Metal Laminate for Variable Thickness” in 2nd International Conference on Advances in Science Hub, Coimbatore, India from 26th -27th June, 2021.

4. Publications by the faculty (National/International Journals/ Conferences):

a) Scopus indexed journals:

- i. Reddy Sreenivasulu, Goteti Chaitanya, **G. Vijay Kumar**, M. Radha Devi
Inverse Kinematic Solution for Five bar Parallel Linkage Planar Manipulator using PYTHON and Optimization by Taguchi Method,
International Journal of Engineering Trends and Technology
Volume 69 Issue 5, 94-100, May 2021, ISSN: 2231 – 5381
doi:10.14445/22315381/IJETT-V69I5P214

b) SCI/SCIE/ESCI indexed journals:

- i. Vasavi B, Raghavendra G, Shakuntala Ojha, Sk Acharya, P. Venkateswara Babu, Somaiah Chowdary, Dheeraj Kumar G, “State of the art in functionally graded materials Composite Structures”, Elsevier Publications, 262(2021), January 2021. <https://doi.org/10.1016/j.compstruct.2021.113596>.
- ii. Om Prakash Minugu, Raghavendra Gujjala, Ojha Shakuntala, Panchal Manoj, M. Somaiah Chowdary, “ Effect of biomass derived biochar materials on mechanical properties of biochar epoxy composites” Proc IMechE Part C: J Mechanical Engineering Science, 0(0) 1–13, IMechE 202, February-2021.
- iii. Jakeer Hussain Shaik, J Srinivas, T Srinivas Rao, K Rama Kotaiah, B Raghu Kumar, “Identification of practical spindle-tool interface parameters using an optimization based statistical approach, Sadhana 46, 111 (2021), June-2021, Springer Publications.
- iv. Sankararao Vinjavarapu, K. V. Viswanadh, B. Sudheer Kumar, P.Gopala Krishnaiah, Jaya Raju Gandepudi, “Fabrication and Modal Analysis of Composite Leaf Spring” International Journal of Disaster Recovery and Business Continuity, Vol.12, No. 1, (2021), pp. 1133–1145, ISSN: 2005-4289, June 2021.
- v. T J Prasanna Kumar, P Gopala Krishnaiah, Siva Sankara Babu Chinka, Kanulla Karthik, Kolahalam Sai Babu, “Design Optimization and Computational Flow Analysis of Annular Type Combustion Chamber” International Journal of Disaster Recovery and Business Continuity, Vol.12, No. 1, (2021), pp. 1195–1206, ISSN: 2005-4289, June 2021

- vi. P. Mastan Rao, T J Prasanna Kumar, P Gopala Krishnaiah, K Anupama Francy, Kolagotla Venkateswarareddy, "Design and Static Structural Analysis of Pressure Vessel using Finite Element Technique" International Journal of Disaster Recovery and Business Continuity, Vol.12, No. 1, (2021), pp. 1288–1299, ISSN: 2005-4289, June 2021.

c) IEEE/Springer journals: NIL

d) UGC/other journals:

- i. Makkena Veeranjanyulu, Anay Jain, B Raghu Kumar, "Effect of Cutting Factors on Surface Roughness and MRR during End Milling of Aluminum Alloy Al6063-T6" International Journal of Scientific & Engineering Research, ISSN 2229-5518, Volume 12, Issue 2, 336-34, February-2021.
- M. Naga Swapna, Anusha Peyyala, B. Purna Chandra Sekhar, N. Venkata Krishna, "Experimental investigation of GTA Welded SS316L plates using shape memory alloy as a filler material" Global Journal of Engineering and Technology Advances, 2021, 06(03), 042– 048, DOI: <https://doi.org/10.30574/gjeta.2021.6.3.0033>. April-2021.
- ii. Anusha Peyyala, M. Naga Swapna, B. Purna Chandra Sekhar, B. Sunil, "Experimental investigation of COP for an air conditioner using zeotropic blend" Global Journal of Engineering and Technology Advances, 2021, 06(03), 014–023.
DOI: <https://doi.org/10.30574/gjeta.2021.6.3.0028>. April-2021
- iii. M.Naga Swapna, P.Anusha, V.Chittaranjandas, K.Srividya, "Radiation Effect on MHD Casson Fluid Flow Linearly Porous Stretching Sheet in the Presence Chemical Reaction" Annals of R.S.C.B., ISSN: 1583-6258, Vol. 25, Issue 3, 2021, Pages.1858-1869., April-2021.
- iv. Abhijeet H. Kekan, B. Raghu Kumar, "Artificial Neural Network and Finite Element Investigation of Cracked Rotor Shaft" Turkish Journal of Computer and Mathematics Education, Vol.12 No. 7 (2021), 1311 – 1319, May 2021.
- v. P. Anusha, M. Naga Swapna, R. Haranath, K. Sreedevi, "Microstructure and Mechanical Properties of Lm25 Alloy with Chromium Metallic Composite" Annals of R.S.C.B., ISSN: 1583-6258, Vol. 25, Issue 5, 2021, Pages.3897 - 3906, May-2021.
- vi. T. Arun Kumar, Sd. Abdul Kalam, G. Bala Krishna, P. Ravi Kumar, "Dynamic Analysis of Hydraulic Actuated Mandrel" Turkish Journal of Computer and Mathematics Education, Vol.12 No. 7 (2021), 2675-2685, May 2021.
- vii. M. Rajyalakshmi, K. I. V. Vandana, "A study on Recent development in Abrasive Water Jet Machining" IJSTE - International Journal of Science Technology & Engineering, Volume 7, Issue 11, pg: 44-50, May 2021, ISSN (online): 2349-784X
- viii. Ch. Mohan Sumanth, J. Surendra, M.V.H. Satish Kumar, K.Srividya, N. Nikhil Babu, "Electro-Magnetic Cruise control System" International Journal of Research in Engineering and Science (IJRES), ISSN (Online): 2320-9364, ISSN (Print): 2320-9356, Volume 9, Issue 6, 2021, PP. 28-33, June-2021.

- ix. M.Tejaswini S.N Padhi, K.VenkataRao, “Fabrication and Testing of a Hybrid Composite Material”, Design Engineering, ISSN: 0011-9342, Year 2021, Issue: 6, Pages: 777 – 784, June-2021.
- x. N. Yuvamani Kumar, N. Pavan Krishna, V. Manohar, M. Navyakanth, T.J. Prasanna Kumar, “Design and Fabrication of Cargo Unmanned Aerial Vehicle featured with Vertical Take-Off and Landing” Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, JETIR June 2021, Volume 8, Issue 6, pg: 487- 495.
- xi. T. J. Prasanna Kumar, B. Teja, B. Chaitanya Naresh, B. Lokesh, B. Uday Tej, “Computational Investigation on composite beam cross-sections and their influence on structural strength” Journal of Emerging Technologies and Innovative Research (JETIR) ISSN-2349-5162, JETIR June 2021, Volume 8, Issue 6, pg: 226- 236.
- xii. M. Radha devi, Dr. G. Vijay Kumar, “Nonlinear analysis of adhesively bonded SLJ in laminated FRP composite” Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, JETIR June 2021, Volume 8, Issue 6, pg: 186- 191.
- xiii. P Gopala Krishnaiah, T J Prasanna Kumar, K Venkata Rao, Ch Lakshmikanth, Ch Vidya, “Optimization of Process Parameters for Material Removal Rate Kerf Width and Surface Roughness in Wire Cut Electrical Discharge Machining Process” Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, JETIR June 2021, Volume 8, Issue 6, pg:825-831.
- xiv. K Venkatarao, A Venkata Jayasri, A Bharathi Lakshmi, K Ramana Sai, K Pavan Kalyan, “Effect of Post Chemical Treatment on Mechanical Properties of Jute/Teak Wood Powder Hybrid Composites” Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Vol.8, Issue 6, page no.g181-g188, June-2021.
- xv. K. Ravi Prakash Babu, B. Raghu Kumar and G. Durga Prasad, “Comparative Modal Analysis Studies for Modelling a Turbine Blade as Twisted Cantilever Beam” Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Vol.8, Issue 6, June 2021, g198-g203.
- xvi. Dr. G. Vijay Kumar, K.Sudheer, K.Sai Krishna, A.Naga Raviteja, G.Ashok Babu, “Simulation of composite raft mount system for onboard centrifugal pump used in ships” Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Vol.8, Issue 6, June 2021, g204-g212.
- xvii. E. Kavitha, Ismail. Kakaravada, “Study & Analysis Of Anti-Lock Breaking System (ABS) Journal of Emerging Technologies and Innovative Research” ISSN: 2349-5162, Vol.8, Issue 6, June 2021, g213-g217.
- xviii. Makkena Veeranjanyulu, Dr. B Raghu Kumar, Dr. Anay Jain, “Prediction of Input Parameters by Optimization of Response Variables in Universal Vertical Milling of Al6063-T6 alloy” International Journal of Advanced Research in Education & Technology (IJARET), Vol. 8, Issue 2 (Apr. - June 2021), ISSN: 2394-2975 (Online).

e) Conference Proceedings:

- i. Koonal Bhavani, V.S.N. Venkata Ramana, Rahul, K. Sri Ram Vikas, Ch. Kishore Reddy, “Effect of Number of Passes on Surface Properties of Burnished Aluminium Alloy” Industry 4.0 Technologies in Civil and Mechanical Engineering (ICI4TCME 2020), IOP Conf. Series: Materials Science and Engineering, 1112 (2021) 012011, May 2021.
doi:10.1088/1757-899X/1112/1/012011.
- ii. Ch. Kishore Reddy, M. Gopi Krishna, Rahul, V.S.N. Venkata Ramana, K. Sri Ram Vikas, Optimization of dry sliding wear parameters of Al4Mg system reinforced with high strength alloy particulate (HSAP)” Industry 4.0 Technologies in Civil and Mechanical Engineering (ICI4TCME 2020), IOP Conf. Series: Materials Science and Engineering, 1112 (2021) 012003; doi:10.1088/1757-899X/1112/1/012003, May 2021.
- iii. K. Srividya , J. Surendra , K. Krishna Kishore , CH. Mohan Sumanth , K. Bharath, “Experimental and analytical studies on natural frequencies of thin bonded metallic plates, Materials Today: Proceedings, Volume 44, Part 1, 2021, Pages 2257-2260, May 2021.
- iv. M. Rajyalakshmi, M. Venkateswara Rao, Multi-Response Optimization of Machining factors in Pocket Milling of AISI304 Using Grey Relational Analysis, International conference ICI4TCME 2020 organized by VVIT, Guntur on 4th & 5th May-2021, IOP- Material Science and Engineering.

f) Book chapters:

- i. M. V. Ramesh, G Vijaya Kumar
Solar Powered Autonomous Vehicle for Seed Sowing
New Approaches in Engineering Research
Volume-4, 22 June 2021; Page 1-12
<http://doi.org/10.9734/bpi/naer/v4/9229D>
ISBN: 978-93-91312-90-9 (Print)

g) Books: NIL

5. Faculty Achievements (Patents, Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person etc.):

a. Patents:

- i. Dr. M.S. R. Niranjana Kumar, Dr. V. Jagadish, Md. Salman, Khwazavali Shaik, D. Lokeshwar, G.Abhinav and Dr. P. Phani Prasanthi filed a patent titled, “BAMBOO AND CLAY WATER BOTTLE WITH UVC LIGHT” with the application number:342182-001 dated 09.04.2021 at Intellectual Property Rights, Government of India.

- ii. P.Phani Prasanthi, Dr.K,Sivaji babu and Ch.Vidya filed a patent titled, “WHEEL CENTER HUB CAP LOGO HOUSING” with the application number: 342189-001 dated 9/4/2021 at Intellectual Property Rights, Government of India.
- iii. P.Phani Prasanthi, T.Srinag and Dr.K.Ravi Prakash Babu filed a patent titled, “BOOK STAND” with the application number: 339199-001 dated 16/2/2021 at Intellectual Property Rights, Government of India.
- iv. P.Phani Prasanthi, K.SivajiBabu and M.S.R. Niranjan Kumar filed a patent titled, “WATER FILTER” with the application number: 337928-001 dated 26-01-2021 at Intellectual Property Rights, Government of India.
- v. Dr.P.Phani Prasanthi, Garikipati Naga Mallikarjun Rao, M.V.H.Satish Kumar and Dr.K.Sri Vidya filed a patent titled, “WATER TRANSFER SIPHON” with the application number: 337417-001 dated 11/1/2021 at Intellectual Property Rights, Government of India.
- vi. Dr.P.Phani Prasanthi, Dr.K.Sivaji Babu and Dr.M.S.R. Niranjan Kumar Granted a patent on 12/03/2021 titled “DUAL CLUTCH OPERATED HYBRID VEHICLE” with the application number: 336993-001 and it was filed on 30/12/2020 at Intellectual Property Rights, Government of India.
- vii. K.Venkata Rao published a patent on 25/6/2021 titled “Automatic Planting Model Based on IoT and Image Processing” with the application number: 202141025517 at Intellectual Property Rights, Government of India.
- viii. Ch. Lakshmi Kanth published a patent on 25/6/2021 titled “An IoT Network System for Sustainable Environmental and Physiological Monitoring” with the application number: 202141025567 at Intellectual Property Rights, Government of India.
- ix. P.Phani Prasanthi published a patent on 16/4/2021 titled “A STORAGE CONTAINER WITH MOVABLE BOTTOM CLOSURE” with the application number: 202141016929 at Intellectual Property Rights, Government of India.
- x. Dr.B.Raghu Kumar published a patent on 02-04-2021 titled “An Agricultural Smart Robot Device” with the application number: 2021101399 at Intellectual Property Rights, Government of India.

b. Ph.Ds awarded:

- i. Ms. P. Anusha was awarded Ph.D. degree from Acharya Nagarjuna University in the month of January, 2021.
- ii. Mr. Ch Kishore reddy was awarded Ph.D. degree from Acharya Nagarjuna University in the month of March, 2021.

c. Guest lectures delivered:

- i. Dr.B.Raghu Kumar has received an appreciation letter for creating awareness on key concepts and formats for NAAC Assessment and for timely guidance at Siddhartha MahilaKalasala, Vijayawada on 08th March, 2021.

- ii. Dr.B.Raghu Kumar, T.Srinag, N.Raghuram acted as resource persons and has delivered 6 sessions for the Two-Day Workshop on NAAC SAR Submission at SreeVahini Institute of Science & Technology, Tiruvuru from 21st – 22nd March, 2021.
- iii. Dr.G.Vijay Kumar acted as resource persons and has delivered an innovative andinspiring expert lecture series in AICTE Sponsored One Week (Online) Short TermTraining Programme (STTP-1) on Innovations and challenges in Industry 4.0Automation and Smart Manufacturing at KallamHaranadha Reddy Institute of Technology on 12th June,2021.

d. Reviewers of journals:

- i. Dr. K. Srividya acted as a Reviewer for a paper on Journal of energy Research & Reviews in the month of March 2021.
- ii. Mr.M.Somaiah Chowdary acted as a Reviewer for journal of industrial textile in the month of April, 2021.

e. Awards:

- i. Dr. M. Naga Swapna Sri Received best woman faculty award from Novel research academy, India in the month of March, 2021.
- ii. Dr. P.Anusha got Young woman scientist award in the month of March, 2021.
- iii. Dr. G. Vijay Kumar awarded Academic excellence award by institute of scholars , Bangalore in the month of April, 2021.
- iv. Dr. P. Phani Prasanthi Received best woman faculty award from Novel research academy, India in the month of June, 2021.

6. Faculty Participation (as a Judge, Guest, or BOS member, & Chairing a session, etc.):

- i. Dr.B.Raghu Kumar has attended for NBA Mock Inspection as a member of the committee for B.Tech (Mechanical Engineering) Program at Sasi Institute of Technology & Engineering, Tadepalligudem on 20th February,2021.
- ii. Dr.B.Raghu Kumar has received an appreciation letter for creating awareness on key concepts and formats for NAAC Assessment and for timely guidance at Siddhartha MahilaKalasala, Vijayawada on 08th March, 2021.
- iii. Dr.B.Raghu Kumar acted as a BOS Member through online mode at Vasireddy Venkatadri Institute of Technology on 22nd May, 2021.
- iv. Dr.G.Vijay Kumar acted as resource persons and has delivered an innovative andinspiring expert lecture series in AICTE Sponsored One Week (Online) Short TermTraining Programme (STTP-1) on Innovations and challenges in Industry 4.0Automation and Smart Manufacturing at KallamHaranadha Reddy Institute of Technology on 12th June,2021.

7. MOOCs courses completed by the faculty (NPTEL/Coursera, etc):

- i. Mr. Somaiah Choudary completed a course titled “Innovation through Design: Think, Make, Break, Repeat” authorized by the University of Sydney and offered through Coursera on 15/02/2021.
- ii. Mr. Somaiah Choudary completed a course titled “Introduction to Cloud Identity” authorized by Google Cloud and offered through Coursera on 21/06/2021.
- iii. Mr. Somaiah Choudary completed a course titled “Code Yourself: An Introduction to Programming” authorized by the University of Edinburgh and offered through Coursera on 08/07/2021.

8. Industrial Visits: NIL

9. Students' achievements:

a) Co-curricular Activities:

- i. N.Pavan Krishna of II B.Tech has attended an online 5-Day Kickstarter Workshop on “3D Printing” organized by 3Ding on 17th January, 2021.
- ii. Muppala Praveen chowdary and Nalluri Aishwarya of II B.Tech have participated in “State level online painting competition and exhibition” held in the eve of republic day celebrations at Rashtriya Kala Manch, prerana – Telengana on 26th January, 2021.
- iii. Ponnappalli Sasidhar & Siripurapu. Naga Kumar of III B. Tech have participated in the 2 days workshop on "Data Science" hosted by APSSDC in association with PANTECH E-Learning, Chennai from 12th -13th Feb, 2021.
- iv. Siripurapu. Naga Kumar of III B. Tech has participated in the 2 days workshop on "Electric Vehicle Design" hosted by APSSDC in association with PANTECH E-Learning, Chennai from 19th -20th Feb, 2021.
- v. P.Sasidhar of III B. Tech has participated in the 2 days workshop on “Cyber Security” hosted by APSSDC in association with PANTECH E- Learning, Chennai from 26th -27th Feb, 2021.
- vi. Ch.V.S.S.Vivek and Bokka Chaitanyanareesh of III B.Tech has participated in the Event Physics Quiz at Shaastra 2021, from 25th -28th February, 2021 at IIT Madras.
- vii. M.Nikhitha of III B.Tech has participated in the Event Biz Quiz at Shaastra 2021, from 25th -28th February, 2021 at IIT Madras.
- viii. M.Nikhitha of III B.Tech has participated in the Event Logic at Shaastra 2021, from 25th -28th February, 2021.
- ix. Bevara Teja of III B. Tech has attended the Spotlight Lecture Series held at Shaastra 2021, from 25th -28th February, 2021.
- x. P.Anuroop of III B.Tech has participated in the Event CAD Design Challenge at Shaastra 2021, from 25th -28th February, 2021 at IIT Madras.
- xi. B. Sai Teja and A. Rohith Kumar of III B. Tech has attended the “3D Modelling in Fusion 360” workshop at Shaastra 2021, from 25th -28th February, 2021

- xii. S. Naga Kumar of III B. Tech has attended the “Introduction to Generative design with Autodesk Fusion 360” workshop at Shaastra 2021, from 25th -28th February, 2021.
- xiii. N.Govardhan of IV B.Tech has participated and presented a paper entitled “Design and fabrication of mechanical chemical sprayer” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March, 2021.
- xiv. V.SaiMadhav, V.Naga Manoj of III B.Tech has participated and presented a paper entitled “Fabrication of sentry plant fibre and banana fibre based Hybrid composite” in the Two day International Conference on Recent Advances in Mechanical Engineering (ICRAME-2021)” at PVPSIT from 26th -27th March,2021.
- xv. T.Arun Kumar of III B.Tech has participated and presented a paper entitled “Dynamic Analysis of Hydraulic Actuated Mandrel” in the Two day International Conference on Recent Advances in Mechanical Engineering(ICRAME-2021)” at PVPSIT from 26th -27th March,2021.
- xvi. Ch.V.S.S.Vivek , G.V.R.D. Eswar of III B.Tech has participated and presented a paper entitled “Cruise control system using Electro-Magnetic Force” in the Two day International Conference on Recent Advances in Mechanical Engineering(ICRAME-2021)” at PVPSIT from 26th -27th March,2021.
- xvii. S. Naga Kumar has participated in the Two day International Conference on Recent Advances in Mechanical Engineering(ICRAME-2021)” at PVPSIT from 26th -27th March,2021.
- xviii. Md.Sameer of IV B.Tech has successfully participated in one day virtual workshop on “Common Rail System by Bosch” at Sky Rider Institutions on 16th March, 2021.
- xix. AnnavarapuSukumar has participated in the “Lean Product Design” workshop held at IIT Madras on 27th March, 2021.
- xx. Y.BhagavanPradeep, P.Anuroop, N.Manohar, P.MohanSai of III B.Tech has participated in the event "Fusion 360 Design now” and received a **certificate of recognition** powered by AUTODESK, organised by ICT ACADEMY on 9th April, 2021.
- xxi. B.HarshaVardhan has successfully completed participating in “The Guinness World Record Event- Most Users to take an online computer programming lesson in 24 hours” from 24th -25th April, 2021.
- xxii. K.UdayGopal of II B.Tech has participated in the event Extempore and **won 1st Prize** organized by ISTE Student Chapter, Mechanical Engineering Department at P.V.P.Siddhartha Institute of Technology on 27th April,2021.
- xxiii. K.SaiDikshith of II B.Tech has participated in the event Extempore and **won 2nd Prize** organized by ISTE Student Chapter, Mechanical Engineering Department at P.V.P.Siddhartha Institute of Technology on 27th April, 2021.
- xxiv. V.SaiMadhav of IV B.Tech has participated in the event Extempore and **won 3rd Prize** organized by ISTE Student Chapter, Mechanical Engineering Department at P.V.P.Siddhartha Institute of Technology on 27th April, 2021.
- xxv. S.Naga Kumar of III B.Tech has participated in the event Extempore and **won Consolation Prize** organized by ISTE Student Chapter, Mechanical Engineering Department at P.V.P.Siddhartha Institute of Technology on 27th April, 2021.

- xxvi. N.Aishwarya of II B.Tech has participated in the event Extempore and **won Consolation Prize** organized by ISTE Student Chapter, Mechanical Engineering Department at P.V.P.Siddhartha Institute of Technology on 27th April, 2021.
- xxvii. One IV-B. Tech, 12 III-B. Tech and 11 II-B.Tech students have participated in the event extempore organized by ISTE Student Chapter, Mechanical Engineering Department at P.V.P.Siddhartha Institute of Technology on 27th April, 2021.
- xxviii. Y.BhagavanPradeep, P.Anuroop, N.Manohar, P.MohanSai of III B.Tech has participated in the event "Fusion 360 Design now" and received a certificate of recognition powered by AUTODESK, organised by ICT ACADEMY on 9th April, 2021.
- xxix. S. Naga Kumar, Md.Fazurulla, M.S.K.Chaitanya, K.Prashanth, B.AvinashBhargav, B.SaiKiranNaik, A.S.S.N.V.Vikas, A.Rohith, A.HemaManikanta Reddy of III B.Tech has participated in the event "Fusion 360 Design now" powered by AUTODESK, organised by ICT ACADEMY on 9th April, 2021.
- xxx. N.Aishwarya, Sk.Yusuf of of II B.Tech has participated and successfully completed APSSDC Online Workshop on "Aircraft Design and Manufacturing" organized by APSSDC in association with DassaultSystemes from 10th -14th May,2021.
- xxxi. N.Nikhilbabu of III B.Tech has successfully participated in FunFair 2021 organized by ROTRACT CLUB OF PSCMRCE, Vijayawada Midtown, RID 3020 from 14th -20th May,2021.
- xxxii. Y.BhagavanPradeep, P.Anuroop, P.MohanSai, N.Manohar, Y.Gowtham of III B.Tech have participated in the INDIA DESIGN WEEK Competition by ICT ACADEMY on 18th April, 2021.
- xxxiii. G.Sushank of III B.Tech has attended the workshop on "Basic Introduction to FEA" by Skill Lync on 20th May, 2021.
- xxxiv. Sk. Yusuf of III B. Tech has completed the Python Quiz for Beginners-2, conducted by the Department of Applied Science & Humanities in association with Department of Information Technology, Rajkiya Engineering College, Ambedkar Nagar on 24th April, 2021.
- xxxv. Ch.HemanthSivaramSidhu of III B.Tech has successfully completed Master Class on Machine Learning at PantechProlabs India Pvt Ltd organized by AP Skill APSSDC from 17th -21st May,2021.
- xxxvi. Ch.HemanthSivaramSidhu of III B.Tech has successfully completed Master Class on EV Design using MATLAB at PantechProlabs India Pvt Ltd organized by AP Skill APSSDC from 17th -21st May,2021.
- xxxvii. G.Sushank has attended a National Webinar on "Importance of Biological Diversity" at LakkiReddy Bali Reddy College of Engineering on 22nd May,2021.
- xxxviii. N.Aishwarya of III B.Tech has attended the workshop on "Why Learn Python?" by Skill Lync on 24th May, 2021.
- xxxix. Ch.HemanthSivaramSidhu of III B.Tech has successfully completed 3 Days Workshop on Chatbot Design (DO-A-THON) at PantechProlabs India Pvt Ltd organized by PantechSolutions from 26th -28th May,2021.

- xl. Ch.HemanthSivaramSidhu of III B.Tech has successfully participated Two Days Virtual Workshop on “Virtual Workshop on Fuel Cell Electric Vehicle Technology” at Skyy Rider Institutions from 28th -29th May,2021.
- xli. N.Pavan Krishna of III B.Tech has successfully completed 4.5 total hours of Solidworks: Become a certified Professional Today(CSWP) Online course on 28th May,2021.
- xl.ii. R.V.V.S.M.Prabhakar has participated in one day webinar on “ MultiBody Dynamics Using Solidworks Motion” at Malla Reddy College of Engineering on 31st May,2021.
- xl.iii. M.PraveenChowdary of II B.Tech has received a **Certificate of Appreciation**for actively participated and performed Good in the 3 Days Live Workshop on “Python Programming for Beginners” organized by Kartvins Academy-Salem,Tamil Nadu and sponsored by “International Journal of Novelty Research in Science ,Engineering and Technology from 1st – 3rd June,2021.
- xl.iv. Sk.Kalisha of III B.Tech has received a **Certificate of Excellence**in recognition of the excellent initiatives and outstanding contributions made during the Student Ambassador Program by Entrepreneurship Cell, IIT Kanpur on 12th June, 2021.
- xl.v. P.Ajaysrivastav, P. Sasidhar, R. GowthamSai, S. Naga kumar, S. Pranay , M. Devi prasad, M. Manoj, M. Vamsikumar, M.S.K. Chaitanya, MD. Fazurulla, MD. SohailSarfarazAlam, M. Nikhitha, N. Mahesh, N. Maniraju, N. SaiSanthosh, P. UdayaDurga, P. Rohith Kumar, R. SaiKishan, N. Naveen, N. Manohar, P. Mohansai of III B. Tech have attended the virtual Half-Day session on “FUTURE SUSTAINABLE BUILDINGS - Integrated Design Approach” organized by ISHRAE Vijayawada Chapter in association with CII-IGBC Amaravati Chapter on 19thJune, 2021.
- xl.vi. P Ajay srivastav , P Abhishek, R. GowthamSai, Sk. Sharif Basha, and S. Naga Kumar of III B.Tech have successfully completed online assessment in "English Proficiency Quiz" organized by Inspire Softech Solutions, Chennai in the month of June, 2021.
- xl.vii. Sk. Yusuf of III B.Tech has successfully completed a course on "Basics of sales order management in Supply chain management" organized by TCSiON on 22ndJune, 2021.
- xl.viii. N. Govardhan of IV B. Tech has successfully completed the EF SET certificate and has earned the English level on 26thJune, 2021.

b) Extra-curricular Activities:

- i. 5 Students and 3 Faculty were Participated in the YOGA competition conducted by Techno Cultural Committee on the occasion of International Yoga Day 21st June, 2021.

c) Coursera/NPTEL Details of the students: NIL

10. Higher Education:

- i. Gudavalli Sai Harish 16501A0329, Gude Vamsi Krishna 16501A0330, Kodali Venkata Naga Sai 16501A0341and Tamaturi Rupesh 16501A0395 are joined in MSc Automotive Engineering, University of Hertfordshire - January 2021.

- ii. K VenkataSaiKashyap 16501A0339 joined Master of science in Mechatronics & Intelligent machines (sandwich), University of central Lancashire (Uclan)-January 2021.
- iii. SangojuGeethaSatyasai 16501A0385 joined Master of science in Artificial Intelligence and robotics with sandwich placement, University of Hertfordshire-January 2021.
- iv. Arepalli Sudheer 15501A0308 joined in MS-Mechanical Engineering, University of New Haven, US- January 2021.
- v. B R Krishna Vamsi Chowdary Tammineedi 15501A0381joined Master of science in business analytics at the university of texas at dallasnaveenjindal school of management-January 2021.
- vi. Syed Valibabu 17505A0326 joined M.Tech, Machine design, Acharya Nagarjuna University, March 2021.
- vii. T. Pratapkumar 17501A03B1, Bharath Akash Musunuru 17501A0370, Venkatasai Thadi 17501A03A9, J. Sairevanth 17501A0336 and Sai Sandeep Manne 14501A0360 are qualified in GATE -2021.
- viii. Raya Venkata Chaitanya Reddy 17505A0318, Garikipati Prasanna Sai 16501A0325, Venigalla Sailesh 16501A03A7, Shaik Khaja Mobin 16501A0388 And A Bhanu Prasad Reddy 16501A0304 are qualified in IELTS-2021.

11. Other Information: NIL
