



PVPSIT

Department of Mechanical Engineering

NEWS LETTER

July – December, 2020

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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.

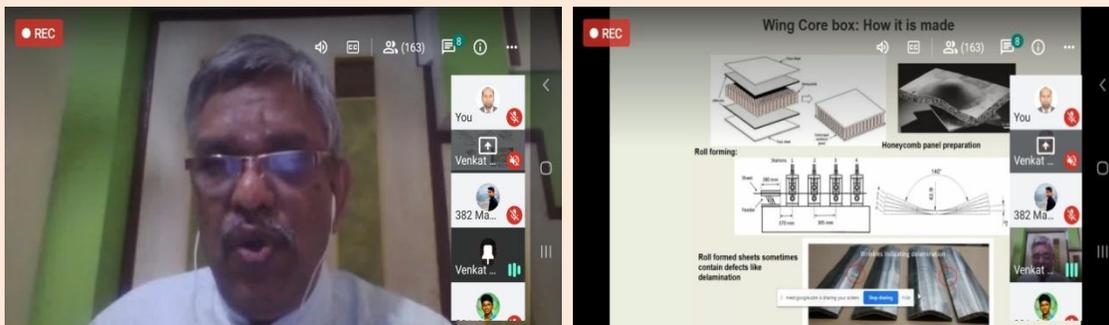
The Department promotes active industry-institute collaboration by organizing workshops and by taking part in sponsored research projects and consultancy services. Visits to the industries for faculty and students are frequently arranged to enhance the practical exposure with the real corporate world.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

1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:

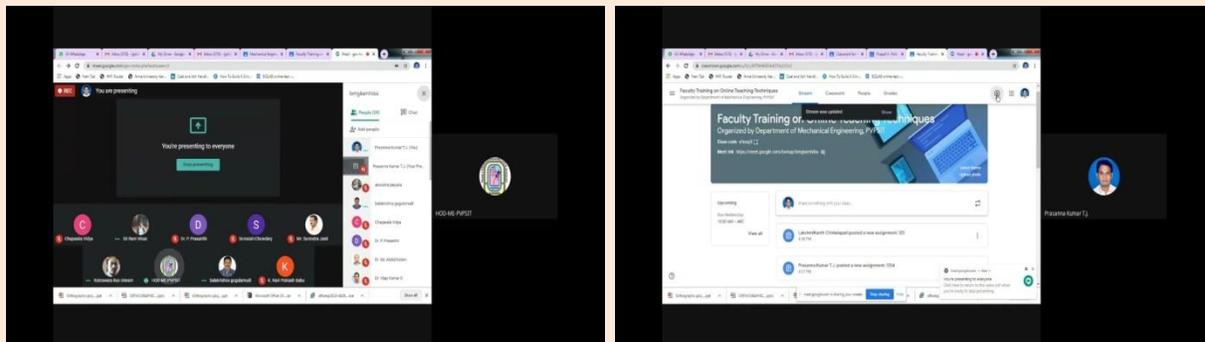
- i. A Webinar on “**Design Thinking**” for B.Tech II -Year students and staff on 25/07/2020 from 10:00 to 11:00 AM. The Resource Person was Boorla Srinivasa Murthy, General Manager, Grupo Antolin, Vijayawada.



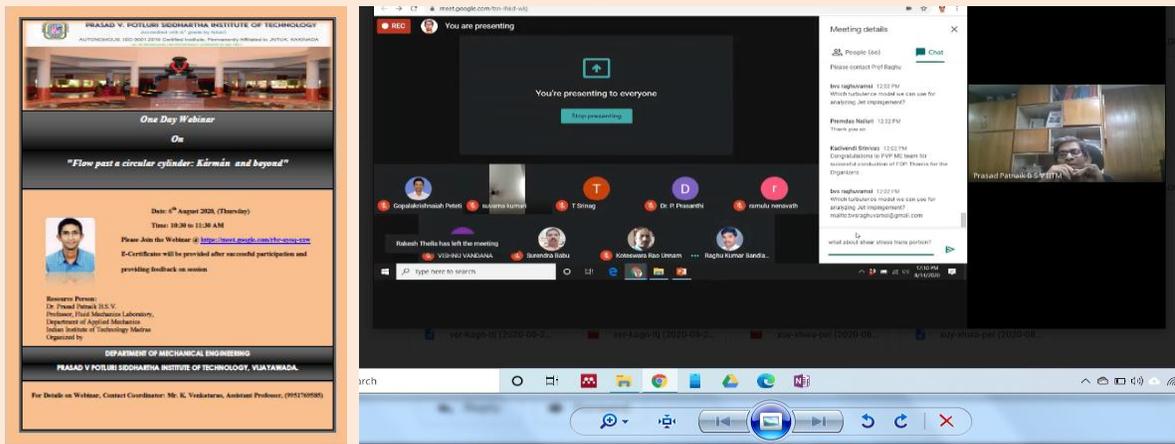
- ii. A Webinar on “**Advanced Manufacturing Technologies in Aerospace Sector**” for B.Tech III & IV -Year students and staff on 30/07/2020 from 09:30 to 11:30 AM. The Resource Person was Dr. K. Venkateswarlu, Senior Principal Scientist, NAL, Bangalore.



- iii. A Webinar on "**Faculty Training Program on Online Teaching Techniques**" for teaching staff of ME on 03.08.2020 at 04:00 to 5:30 PM. The Resource Person was Mr. T. J. Prasanna Kumar, Asst. Prof, Mechanical Engineering Department, PVPSIT.



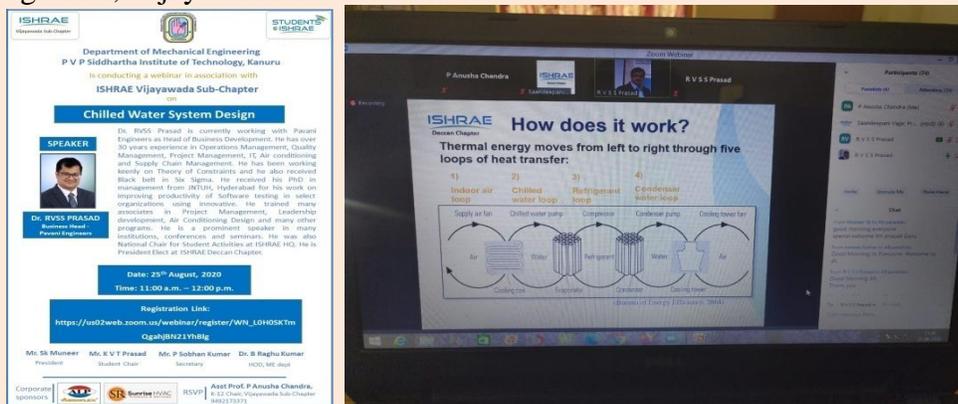
- iv. A Webinar on “**Flow past a circular cylinder: Karman and beyond**” for III & IV -B. Tech. ME students and staff on 06.08.2020 at 10:30 AM by Dr. Prasad Patnaik B S V, Professor, Department of Applied Mechanics, IIT Madras, Chennai



- v. One week online FDP on “Recent Developments in Mechanical Engineering” from 10.08.2020 to 14.08.2020 by Dr. B. Rama Krishna, Scientist-G & Group Head, Armor Technology Center, DRDO, Dr. M. Jaganmohan Rao, Divisional Manager, Ashok Leyland Ltd., Technical Centre, Chennai, Dr. A Venu Gopal, Professor, Department of Mechanical Engineering, National Institute of Technology, Warangal, Sri. S. Sathish Kumar, Scientist/Engineer-`SE`, U.R.Rao Satellite Centre, Dr. Prasad Patnaik B S V, Professor, Department of Applied Mechanics, Indian Institute of Technology Madras, Chennai in the Google meet platform.



- vi. A Webinar in association with ISHRAE Vijayawada sub-chapter on “Chilled Water System Design” for II-B. Tech. ME students and staff by Dr. RVSS Prasad, Business head, Pavani Engineers, Vijayawada on 25.08.2020 at 11:00 AM to 12:00 Noon.



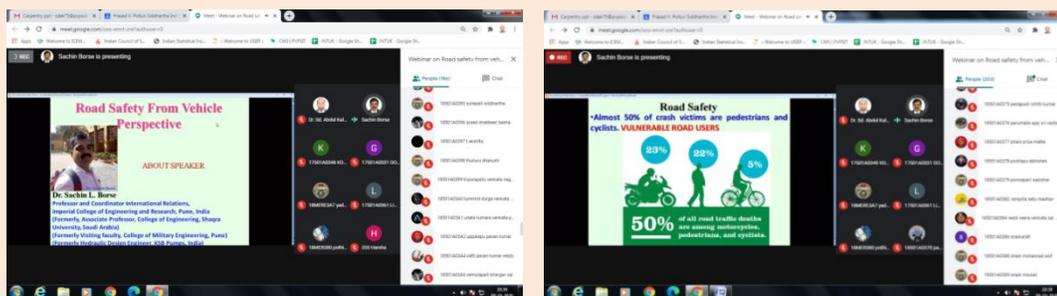
- vii. A Webinar on “An MNC expert talk on **Emerging Technologies**” for IV-B. Tech. ME students by Mr. Santhosh Jaiswal, Assistant General Manager, Automation, JOHN DEERE, Pune, Maharashtra on 27.08.2020 at 10:00 AM to 11:30.



- viii. A Webinar on “Emerging Careers in Science” for IV-B. Tech. ME students by **Dr. Velidi VSS Gurunadh, Assistant Professor - Selection Grade**, Department of Aerospace Engineering, University of Petroleum and Energy Studies(UPES), Dehradun on 30.08.2020 at 4:30 PM to 5:30 PM.



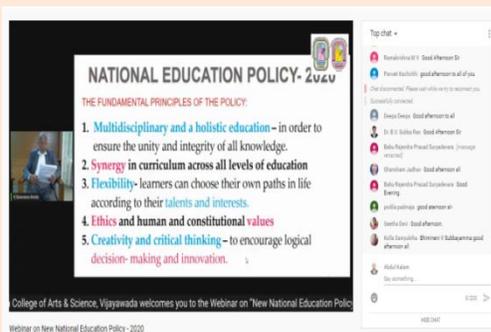
- ix. A Webinar on “**Road safety from vehicle perspective**” for III & IV -B. Tech. ME students and staff by Dr. Sachin L. Borse, Professor, Department of Mechanical Engineering, Imperial College of Engineering and Research, Pune, Maharashtra on 09.10.2020 at 10:30 AM.



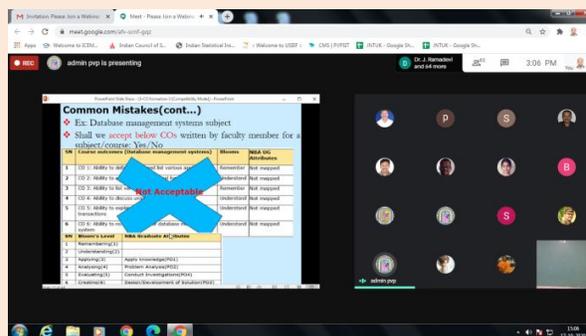
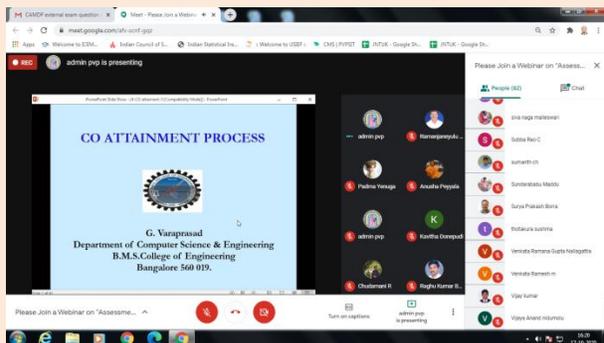
- x. ‘Online Live Design Now Workshop on "**Fusion 360**” Session-1’ for III & IV -B. Tech. students by Mr. Kranthi Kumar Palisetty, Senior Technical Trainer, ICT academy powered by AUTODESK, Chennai on 10.10.2020.



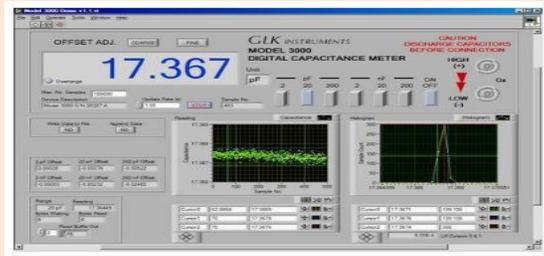
- xi. Staff participated in the Webinar on “**New National Educational Policy-2020**” by Dr. Balaveera Reddy, Chairperson BoG, NITK, Surathkal Jointly Organized by PVP Siddhartha Institute of Technology & P B Siddhartha College of Arts & Science, Vijayawada, Andhra Pradesh on 13.10.2020 from 3:00PM to 5:00PM.



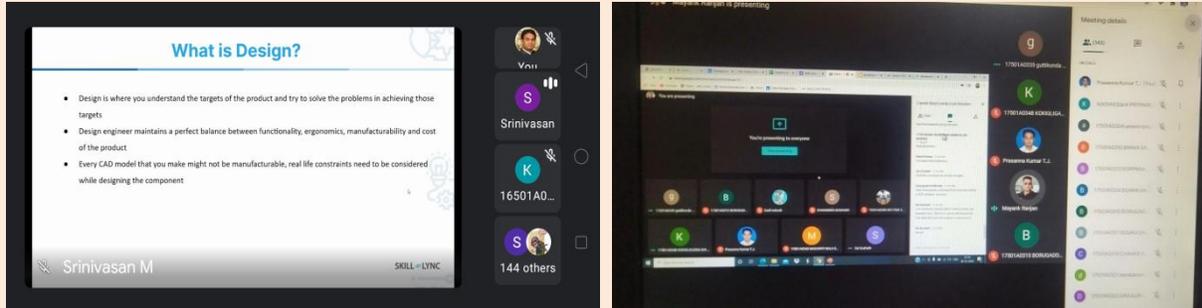
- xii. Staff participated in the Webinar on “**CO Attainment Process**” by Dr. G. Varaprasad, Professor, Department of Computer Science and Engineering, BMS College of Engineering, Bangalore organized by PVP Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh on 17.10.2020 from 3:00PM to 5:00PM.



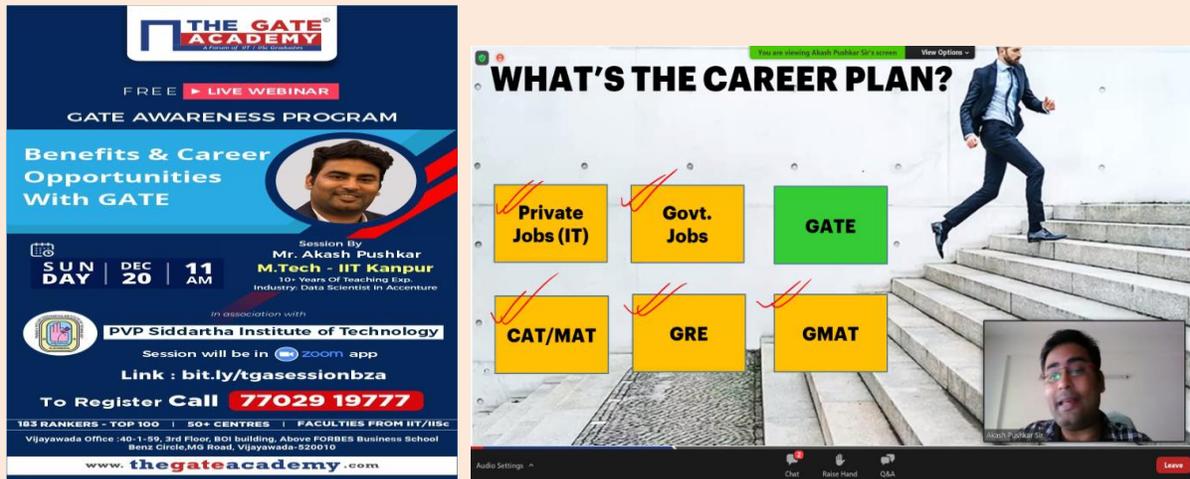
- xiii. A Webinar on “**Awareness Programme on Lab VIEW**” for III-B. Tech. students by Mr. E. Murali Krishnan, CEO, Opti Thought Technologies, Chennai on 23.11.2020 from 11.45 AM to 12:45 PM.



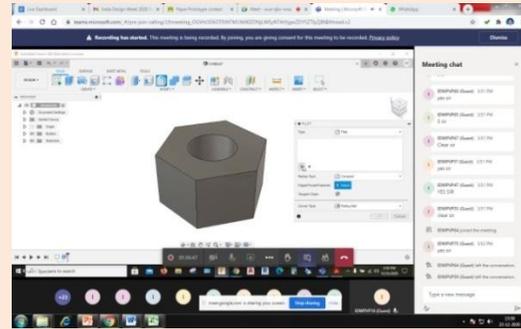
- xiv. A “Skill Lync Career Bootcamp-Live Technical Session” for II & IV -B. Tech. students by Mr. Mayank Ranjan, CEO & Mr. M. Srinivasan, Technical Trainer, Skill Lync, Chennai on 16.12.2020



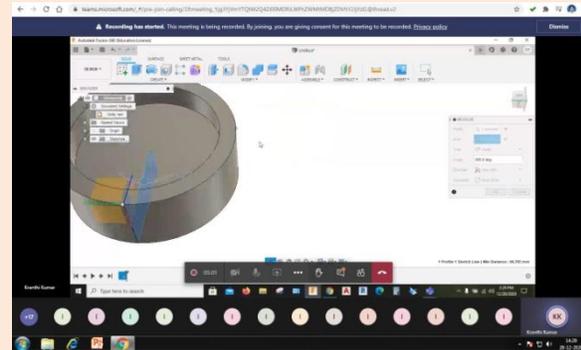
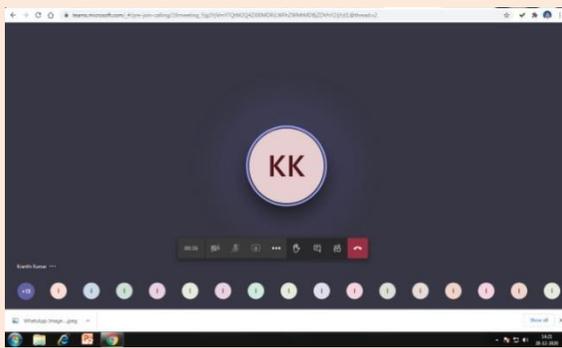
- xv. A “GATE Awareness Program Benefits & Career Opportunities with GATE” for II & III -B. Tech. students by Mr. Akash Pushkar, M.Tech IIT Kanpur, Data Scientist in Accenture, GATE Academy on 20.12.2020.



- xvi. A “Online Live Design Now Workshop on "Fusion 360" Session-2” for III & IV -B. Tech. students by Mr. Kranthi Kumar Palisetty, Senior Technical Trainer, ICT academy powered by AUTODESK, Chennai on 23.12.2020



- xvii. A “**Online Live Design Now Workshop on "Fusion 360" Session-3**” for III & IV -B. Tech. students by Mr. Kranthi Kumar Palisetty, Senior Technical Trainer, ICT academy powered by AUTODESK, Chennai on 28.12.2020.



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

- i. Dr. Vijay Kumar has presented a paper titled "Analysis of Composite Raft Mount for Vibration Reduction of A centrifugal Pump" in IC14TCME-2020 held at Venkatadri Institute of Technology on 4th & 5th December - 2020.
- ii. M. Rajya Lakshmi has presented a paper titled "Multi - Response Optimization of Machining of AISI304 using Taguchi based Grey Relational Analysis" in IC14TCME-2020 held at Venkatadri Institute of Technology on 4th & 5th December - 2020.
- iii. Ch. Lakshmi Kanth has presented the paper entitled " Modelling & Analysis of Cylindrical block for V8 Engine" in 1st International Conference on Science, Technology and Management (ICSTM - online) on 5th & 6th December - 2020.
- iv. Vidya Chaparala has presented a paper entitled " Thermodynamic analysis of cross flow heat exchanger with organic blends as substitute to ionic coolants" in the 5th International Conference on Applications of Fluid Dynamics (ICAFD - 2020) , organized by the School of Mechanical Engineering, VIT - AP University in association with University of Johannesburg, South Africa at VIT - AP University, India during 13th -15th December, 2020.
- v. Koonu Bhavani, VSN Venkata Ramana, Rahul, Ch Lakshmikanth, K sriram Vikas, Ch Kishore Reddy, Modification of surface properties of AA7075 by friction stir welding, 5th International Conference on Applications of Fluid Dynamics (ICAFD-2020) Organized by School of Mechanical Engineering, VIT-AP University, 13th to 15th December -2020. Proceedings to Lecture notes in Mechanical Engineering, Springer

- vi. J.Surendra has presented a paper title “Experimental and Analytical studies on Natural Frequencies of thin bonded metallic plates in 11th Conference on Materials Processing and Characterization -2020(ICMPC-2020) organized by Department of Mechanical Engineering & Metallurgy Engineering & Material Science , IIT Indore during 15th -17th December, 2020.

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

a) Seminars/Webinars:

- i. E.Kavitha has participated in one day National Webinar on “Processing of Light Metal Alloys and Characterization” at Raghu Institute of Technology, Visakhapatnam on 03rd July, 2020.
- ii. M.Somaiah Chowdary has participated in National Level Webinar on “Recent Advance in Material Science and Engineering Applications” at K.L.E.F.,Guntur on 04th July, 2020.
- iii. E.Kavitha has participated in Acharya’s International Webinar series on “Fully biodegradable composites: A new era in materials” on 05th July, 2020.
- iv. Dr.G.Vijay Kumar, E.Kavitha, T.Srinag, J.Surendra have attended webinar on “Vision, Mission and PEOs for Technical Institutions at NITTTR Bhopal on 07th July, 2020.
- v. M.V.H.Satish Kumar has participated in One Day Webinar on “Panel Discussion on Successful Startup Incubation” organized by APSSDC on 15th July, 2020.
- vi. P.Gopala Krishnaiah has participated in a Webinar on “Advanced Machining Process” at MIC College of Engineering on 18th July,2020.
- vii. P.Anusha has actively participated in a Webinar on “Engineering a Passionate Journey Towards Success” at Mohamad Sathak A J College of Engineering,Chennai on 22nd July,2020.
- viii. Dr.M.Naga Swapna Sri, P.Anusha have actively participated in National Webinar on “IT Enabled Services-Competitive Advantage & Challenges for India” at P.V.P.Siddhartha Institute of Technology on 22nd July,2020.
- ix. K.Sri Ram Vikas has participated in the 3-Day National Webinar on “Secondary Melting and Processing Technologies” at Mahatma Gandhi Institute of Technology, Hyderabad in association with Indian Institute of Metals, Hyderabad from 23rd -25th July,2020.
- x. Dr.G.Vijay Kumar has participated in in International Webinar on Engineering Applications of Defence Stealth Technology, A Game Changer” at Tirumala Engineering College, Guntur on 25th July 2020.
- xi. Dr.B.Raghu Kumar, Dr.G.Vijay Kumar, Dr.K.Srividya, Dr.Sd.Abdul Kalam, Dr.K.Ravi Prakash Babu M.V.H.Satish Kumar, U.Koteswara Rao, Dr.M.Naga Swapna Sri, E.Kavitha, G.Bala Krishna, T.Srinag, P.Mastan Rao, KIV.Vandana, M.Rajya Lakshmi, P.Anusha, P.Gopala Krishnaiah, N.Raghuram, Ch.Laxmikanth, J.Surendra, Ch.Vidya, M. Radha devi, K.Sriram Vikas, T J Prasanna Kumar, K.Venkata Rao, Ch.Mohan Sumanth, M.Somaiah Chowdary, K.Ismail have participated in One Day Webinar on “Design

- Thinking” organized by Department of Mechanical Engineering at P.V.P.S.I.T, Vijayawada from 25th July, 2020.
- xii. K.Ismail has participated in the webinar on “Impact of Covid-19 on the Development of Rural Economy-Challenges and Opportunities” organized by LEAD India Foundation and JNTU-A on 27th July, 2020.
 - xiii. Dr.B.Raghu Kumar, Dr.G.Vijay Kumar, Dr.K.Srividya, Dr.Sd.Abdul Kalam, Dr.K.Ravi Prakash Babu M.V.H.Satish Kumar, U.Koteswara Rao, Dr.M.Naga Swapna Sri, E.Kavitha, G.Bala Krishna, T.Srinag, P.Mastan Rao, KIV.Vandana, M.Rajya Lakshmi, P.Anusha, P.Gopala Krishnaiah, Ch.Lakshmikanth, J.Surendra, Ch.Vidya, M. Radha devi, K.Sriram Vikas, T J Prasanna Kumar, K.Venkata Rao,M.Somaiah Chowdary, K.Ismail have participated in One Day webinar on “Advanced Manufacturing Technologies in Aerospace Sector” at P.V.P.Siddhartha Institute of Technology on 30th July,2020.
 - xiv. Ch. Vidya has participated in the National webinar entitled "Waste water Reuse Management for Sustainable Agricultural Development : A Green Technology Approach" organized by Lakireddy Bali Reddy College of Engineering (A), Mylavaram, on 1st August, 2020.
 - xv. Dr. K. Ravi, Dr.G.Vijay Kumar, Dr. Sd. Abdul Kalam, Dr. K. Srividya, Dr. M. Naga Swapna Sri, E.Kavitha, P. Mastan Rao, T J Prasanna Kumar, K I Vishnu Vandana, P. Gopalakrishnaiah, M. Somaiah Chowdary, M. Radha Devi, P. Anusha, K.Venkatarao, N. Raghu Ram, K. Sri Ram Vikas, J. Surendra, T. Srinag, Ch. Sumanth have participated in one day webinar on "Flow past a circular cylinder: Karman and Beyond" organized by Department of Mechanical Engineering, PVPSIT, on 6th August, 2020.
 - xvi. Ch. Vidya has attended programme on "Incorporating Knovel into the Digital Learning Environment" organized by BrightTalk on 7th August, 2020.
 - xvii. Ch. Vidya has participated in “An International Webinar on Lifestyle Management in Present era of Covid -19 oganized by School of Management Studies, Lakireddy Bali Reddy College of Engineering (A), Mylavaram, in association with AIMS A.P. Chapter held on 8th August, 2020.
 - xviii. K. Ismail has successfully participated in the webinar programme on “Design Thinking to Digital Thinking” organized by the Department of Mechanical Engineering, CMR Institute of Technology, Hyderabad on 8th August,2020.
 - xix. Dr. P. Phani Prasanthi has actively participated in the Webinar on “Introduction to Automotive Noise, Vibration and Harshness” organised by Department of Mechanical Engineering, VRSEC, in Association with IEI Students Chapter on 10th August 2020.
 - xx. Dr. Sd. Abdul Kalam, P. Mastan Rao, P. Anusha, K. Venkatarao have attended the webinar on "Role of Insulation in HVAC" organized by ISHRAE Vijayawada sub-chapter on 14th August, 2020.
 - xxi. Dr. K. Ravi has participated in the IEI Centenary Technical Webinar on the theme "Waste Water Treatment for Sustainable Development" organized by West Bengal State Centre of The Institution of Engineers (India) under the aegis of Chemical Engineering Division on 14th august , 2020.

- xxii. K. Sri Ram Vikas has participated in National webinar on " Role of Laser in Defence" organized by Dept. of Science, St. Joseph's College of Engineering on 18th August, 2020.
- xxiii. K I Vishnu Vandana , P. Gopalakrishnaiah, Ch. Lakshmi Kanth, K.Venkatarao, K. Sri Ram Vikas, Ch. Vidya have attended Three Day International Webinar Series on “ Synthesis and Characterization of Nano-materials and their Novel Applications” organized by Department of Physics, R.K.Valley, Rajiv Gandhi University Of Knowledge Technologies, A.P (RGUKT-AP) from 17th to 19th August 2020.
- xxiv. M. Rajyalakshmi has participated in the 5 day webinar series on "Research & Innovation" organized by Department of Information Science and Engineering, VVCE, Mysuru, during 17th -21st August, 2020
- xxv. Dr.Sd.Abdul Kalam, Dr.P.Phani Prashanthi, U.Koteswara Rao, E.Kavitha, K.I.V.Vandana, M.Rajya Lakshmi, P. Anusha, K.Venkatarao, P. Mastan Rao, P. Gopalakrishnaiah, K. Sri Ram Vikas, T. Srinag, M. Radha Devi, Ch.Vidya, Ch. Sumanth M. Somaiah Chowdary, J. Surendra, K.Ismail have actively participated in 1-Day Webinar on “Implementation of Quality Circles” conducted by QCFI –Hyderabad Chapter on 21st August,2020.
- xxvi. Dr. P. Phani Prasanthi has participated in the Webinar on “Thermal Battery Power Sources and Explosive Heat Actuated Thermal Subsystems in Aerospace Applications” organized by the Department of Mechanical Engineering, VRSEC, in association with ASME- student section on 23rd August, 2020.
- xxvii. Dr. K. Ravi, Dr. Sd. Abdul Kalam, Dr. K. Srividya, Dr. M. Naga Swapna Sri, M. Rajyalakshmi, K I Vishnu Vandana, P. Anusha, T J Prasanna Kumar, J. Surendra have attended the webinar on " Chilled Water System Design" organized by ISHRAE Vijayawada sub-chapter on 25th August, 2020.
- xxviii. P. Anusha has attended the Awareness session on " Green and Healthy Buildings" organized by ISHRAE Vijayawada sub-chapter in association with CII - Indian Green Building Council (IGBC) on 26th August, 2020.
- xxix. E.Kavitha has attended in the webinar W12- Action Plan to Prepare Institute for Accreditation organized by NITTTR,Bhopal on 27th August,2020.
- xxx. Ch. Mohan Sumanth has participated in the Webinar on " Rotary Compressor Research and innovation at NTU, Singapore" held on 27th August 2020 organized by the Department of Mechanical Engineering, Vimal Jyothi Engineering College, Kannur, Kerala on 27th August, 2020.
- xxxi. Ch. Vidya has attended programme on "How to publish in ground breaking journals" organized by BrightTalk on 27th August, 2020.
- xxxii. K. Sri Ram Vikas has participated in Two-day Global Two-Day Global Virtual Seminar Series on “Exciting Advances in Manufacturing Automation -2020” (Fabrication, Monitoring, Sensors, Materials, Characterisation and Applications) Organized by Department of Mechanical Engineering, GITAM Institute of Technology, Visakhapatnam, on 28th & 29th August, 2020.
- xxxiii. Ch. Vidya has attended programme on "Discovery tools to improve your research efficiency" organized by BrightTalk on 28th August, 2020.

- xxxiv. K.Venkat Rao has attended the webinar session on “Fans and Blowers in AC Applications” at Vimal Jyothi Engineering College, Kerala on 01st September, 2020.
- xxxv. Ch.Vidya has attended the webinar session on “In-cylinder Flow Analysis in an IC Engine using PIV” at Vimal Jyothi Engineering College, Kerala on 04th September, 2020.
- xxxvi. K.I.V.Vandana, M. Radha Devi have participated in the 4-Day Webinar on TPM (Total Productive Maintenance) conducted by QCFI –Hyderabad Chapter from 02nd -05th September,2020.
- xxxvii. Ch.Vidya has attended the webinar session on “Next Generation Solar Thermal Collectors” at Vimal Jyothi Engineering College, Kerala on 14th September, 2020.
- xxxviii. K. Ch.Vidya, M.Rajya Lakshmi has participated in the Three Day webinar on “Waste to Energy” organized by Centre for Environment, Institute of Science & Technology, JNTUH, Kukatpally, Hyderabad from 19th -21st September, 2020.
- xxxix. Vidya Chaparala has Viewed Best Practices in "Submitting Research for Highly Selective Journals" by BrightTalk (Cell Press Journal) on 6th Oct,2020.
- xl. Vidya Chaparala has Viewed "How to Prepare your Manuscript for Publication in Top Journals" by BrightTALK (Cell Press) on 6th Oct,2020.
- xli. Dr. G. Vijay Kumar, E.Kavitha, K I Vishnu Vandana, M. RajyaLakshmi, M. Radha Devi, T J Prasanna Kumar, N.Raghuram have actively participated in webinar on "Road Safety from Vehicle Perspective", Organized by the Department of Mechanical Engineering, P V. P Siddhartha Institute of Technology on 9th Oct,2020.
- xlii. Dr. G. Vijay Kumar, Dr. Abdul Kalam, K I Vishnu Vandana, M. Radha Devi, Anusha P, T J Prasanna Kumar, J. Surendra have actively participated in One Day Webinar on New National Education Policy - 2020 organized by P V. P Siddhartha Institute of Technology & P. B. Siddhartha College of Arts & Science, Vijayawada on 13th Oct,2020.
- xliii. M. Radha Devi has actively participated in the webinar on “Wellness & Hygiene” organized by Womens Cell, P.V.P.Siddhratha Institute of Technology on 6th Nov,2020.
- xliv. E.Kavitha has attended a Webinar on “NEP 2020:Higher Education Curricular Issues & Implications” organized by NITTTR, Bhopal on 20th Nov,2020.
- xlv. Vidya Chaparala has participated in the One Day Webinar on " Thermo - Chemical Energy Conversion: Future Research Direction Jointly organized by the School of Mechanical Engineering (SMEC) and the Electrical Vehicles Incubation, Testing and Research Centre (eVIT - RC), VIT, Chennai on 4th December,2020.
- xlvi. Ch. Lakshmi Kanth has participated in webinar on "Scopus Paper Publication: Tips & Tricks" in First International Conference on Science, Technology and Management (ICSTM - online)" on 5th December, 2020.
- xlvii. Ch. Lakshmi Kanth has participated in webinar on "How to Designing research and development in Virtual Era" in First International Conference on Science, Technology and Management (ICSTM - online) on 5th December, 2020.
- xlviii. Ch. Lakshmi Kanth has participated in webinar on "Applications of Machine Learning" in First International Conference on Science, Technology and Management (ICSTM - online) on 5th December,2020.

- xlix. Dr. G. Vijay Kumar, M. Rajya Lakshmi, M. Radha Devi, Vidya Chaparala have participated in the one day Online Seminar on " Role and Significance of patents in Academia" organized by IQAC & Department of Computer Science and Engineering, VRSEC under AICTE Margdarshan on 5th December,2020.

b) Workshops:

- i. K.Ismail has completed International Virtual One Week Workshop on "Materials Characterization using DMA" at Acharya Institute of Technology, Bengaluru from 06th - 10th July, 2020.
- ii. P.Gopala Krishnaiah has participated in a Workshop on "NBA SAR Preparation for Diploma Colleges" at MLR Institute of Technology from 10th -11th July, 2020.
- iii. P. Mastan Rao has participated in the TEQIP-III sponsored Five Days Online International Workshop on "Biotechnological Advances and Research" at National Institute of Technology, Silchar from 22nd -26th August,2020.
- iv. E.Kavitha has participated in Two Day Online Workshop on "Mathematical Modelling and MATLAB Applications(MMMA-2020)" sponsored by TEQIP-III under Twinning activities at NIT,Uttarakhand & SLIET Longowal from 24th -25th August,2020.
- v. Ch.Vidya has attended Two Day National Open Workshop on " Getting Alligned to the Publishing Process-Author Workshop" at Elsevier on 25th September, 2020.
- vi. E.Kavitha, Ch.Vidya has attended Two Day National Open Workshop on "Getting Alligned to the Publishing Process-Scopus+Science Direct" at Elsevier on 28th September, 2020.
- vii. Vidya Chaparala has participated in the e- Workshop on "Targeting Journals For Publications" by Pharma State Academy, on 24th December, 2020.

c) STTP/STCs:

- i. Dr.G.Vijay Kumar has actively participated in the One Week Online Short –Term Training Program on "Environmental Crisis and Sustainable Development" at NIT Kurukshetra from 01st - 05th July, 2020.
- ii. K.Ismail has successfully completed the studies and satisfy the requirements by passing "Finite Element Method" organized by Dept of Mechanical Engineering, Sri Venkateswara College of Engineering & Technology, Anantapur, from 29th June- 01st July, 2020.
- iii. Dr.G.Vijay Kumar, K.Ismail have participated in AICTE sponsored Online Short –Term Training Program on "Recent Trends in Hybrid and Electric Vehicle Technologies(RTHEVT-2020)" at Maharaj Vijayaram Gajapathi Raj College of Engineering,Vizianagaram from 06th -11th July, 2020.
- iv. Dr.K.Ravi Prakash Babu, U.Koteswara Rao, E.Kavitha,K.I.V.Vandana, G.Bala Krishna, P.Gopala Krishnaiah have participated in A one week short term training Programme on Failure and Damage Mechanics of High Performance Engineering Materials Organized

by Department of Mechanical Engineering, Anil Neerukonda Institute of Technology during 13th -18th July 2020.

- v. Mr. K. Sri Ram Vikas has participated in AICTE Sponsored Online Short Term Training Program on “Fuel Cell Technologies for Hybrid and Electric Vehicles (FCTHEV)” organized by Maharaj Vijayaram Gajapathi Raj College of Engineering Vizianagaram, from 17th - 22nd August 2020.
- vi. K. Sri Ram Vikas has attended AICTE sponsored One Week Online Short Term Training Program on Recent Advances in Materials and Manufacturing: Part II (RAMM2020:2) conducted by the Department of Mechanical Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam, from 07th to 12th September, 2020.
- vii. G.Balakrishna has participated in One Week Online Short Term Training Program on “Failure and Damage Mechanics of High Performance Engineering Materials-PhaseIII” at Anil Neerukonda Institute of Tchnology & Sciences,Visakhapatnam from 14th -19th September,2020.
- viii. M. Rajyalakshmi, KI Vishnu Vandana have successfully completed the Short Term Training Programme through ICT Mode on Thesis and Research Paper Writing organised by NITTTR, Kolkata, from 21st – 25th September,2020.
- ix. M. Rajyalakshmi has actively participated in AICTE sponsored one week online Short Term Training Programme on " Recent Advances in Material and Manufacturing: Part III" Conducted by the Dept. of Mechanical Engineering, Gayathri Vidya Parishad College of Engineering, Visakhapatnam, during 5th – 10th October,2020.
- x. Mohan Sumanth Ch has participated in One week Online STTP on “Additive Manufacturing for Medical and Aerospace Applications” organized by Dept. of Mechanical Engineering, Shri Vishnu Engineering College for Women, held from 26th - 31st October,2020.
- xi. Ch.Vidya has successfully completed Training in the course of “Online Live Industrial Training on Ansys Software” at The National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad from 20th Oct to 03rd Nov,2020.
- xii. M. Radha Devi has actively participated for APSSDC Online Training Program on “MEMS to educate on Microsensors & Actuators” from 02nd-06th November,2020.
- xiii. Dr.G.Vijay Kumar, M. Radha Devi have participated in One week Online STTP on “Additive Manufacturing for Medical and Aerospace Applications” organized by Dept. of Mechanical Engineering, Shri Vishnu Engineering College for Women, from 16th – 21st November,2020.
- xiv. Dr. G. Vijay Kumar has participated in the Online Short Term Training Programme (STTP) on “Effective Engineering Teaching Practices” Conducted by Prasad V Potluri Siddhartha Institute of Technology, Vijayawada Jointly with NITTTR, Chennai from 23rd -28th November , 2020.
- xv. M. Somaiah Chowdary has participated in One Week Online Short Term Course on “How to define Research Problems and Solving Methods in Sustainable Design ,Manufacturing and Energy Engineering” at National Institute of Technology, Silchar from 24th -28th August,2020.

- xvi. M. Somaiah Chowdary has participated in One Week Online Short Term Course on Innovation and Research in Welding, Joining and Cutting Technology at National Institute of Technology, Silchar from 07th -11th September, 2020.
- xvii. G.Bala Krishna has participated in Short Term Course on “Advanced Welding Technologies & Failure Analysis” conducted as a part of quality improvement program at IIT Indore from 19th -24th September, 2020.
- xviii. G.Bala Krishna has participated in Short Term Course on “Advanced Materials for Structural Applications” conducted as a part of quality improvement program at IIT Indore from 29th Sep- 04th Oct 2020.
- xix. M. Rajyalakshmi has actively participated and successfully completed the online center for Continuing Education programme on "Soft Computing Techniques for Emerging Applications(SCTEA)" organised by Dept. of CSE, NIT Warangal from 5th – 9th October, 2020.
- xx. M. Radha Devi has successfully completed on “Image Processing on MATLAB”(05days) organized by Andhra Pradesh State Skill Development Corporation (APSSDC) & Pantech Prolabs India, Pvt. Ltd from 02nd – 06th November, 2020.
- xxi. M.Radha Devi has participated in the CEP Course on “Inter-disciplinary Aspects in Modelling of Manufacturing Processes” conducted by Dr. Babasaheb Ambedkar Technological University, Lonere, by IIT Bombay from 21st – 29th November, 2020.
- xxii. K.I.Vishnu Vandana, M. Rajya Lakshmi have participated in the five day online Short Term Course on “Smart Manufacturing Technologies”, Organized by Department of Mechanical Engineering at Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, during 23rd - 27th December, 2020.

d) Faculty Development Programmes:

- i. E.Kavitha, J.Surendra have successfully completed One Week Online Certificate Course on “Digital Teaching Techniques” organized by ICT Academy from 29th June – 04th July, 2020.
- ii. Ch.Vidya has participated in Five Day Online Faculty Development Program on “OpenFOAM” conducted at V.K.R, V.N.B & A.G.K College of Engineering, Gudivada from 29th June – 03rd July, 2020.
- iii. Dr.Sd.Abdul Kalam has participated and completed one week National Level Online Faculty Development Program on “Recent Trends in Mechatronics & Automation” at NBN Sinhgad School of Engineering, Ambegaon, Pune from 30th June – 04th July, 2020.
- iv. Dr.Sd.Abdul Kalam, Ch.Vidya, K.Ismail have participated in A Seven Day Faculty Development Program on “Advancements in Mechanical Engineering” at Gates Institute of Technology Ananthapuramu from 04th -10th July, 2020.
- v. K.Ismail has actively participated in Five Day Online Faculty Development Program on “Contemporary Issues on Biofuels and Applications” at St. Ann’s College of Engineering and Technology, Chirala from 06th -10th July, 2020.
- vi. Dr.G.Vijay Kumar has actively participated in A Five Day National Level Online Faculty Development Program on “Research Innovations in Mechanical Engineering-RIME-2K20” at Sasi Institute of Technology, Tadepalligudem from 13th -17th July 2020.

- vii. M.Rajya Lakshmi has participated in the 6 Days Virtual “Faculty Development Program on Robotics and Automation” at Vellore Institute of Technology, Chennai from 13th -18th July, 2020.
- viii. E.Kavitha has participated in the Faculty Development Program (Webinar) on Robotics & Control (Robocon)-2020 sponsored by TEQIP III at NIT, Silchar from 15th -19th July, 2020.
- ix. M. Radha devi has participated in A 3-Day Faculty Development Program on Advance Automation in Metal Industry and attended Day-1 session on “Automation of Welding in Automative Industry and Metallurgy” at Raghu Engineering College, Visakhapatnam on 20th July, 2020.
- x. M. Radha devi has participated in A 3-Day Faculty Development Program on Advance Automation in Metal Industry and attended Day-2 session on “Steel making and Hot Rolling of Flat Steel Products” at Raghu Engineering College, Visakhapatnam on 21st July, 2020.
- xi. M. Radha devi has participated in A 3-Day Faculty Development Program on Advance Automation in Metal Industry and attended Day-3 session on “Metal 3D Printing” at Raghu Engineering College, Visakhapatnam on 22nd July, 2020.
- xii. G.Bala Krishna, P.Gopala Krishnaiah have successfully completed 2nd One week International Faculty Development Program-Online on “Role of materials and Processing in Additive Manufacturing”3D Printing to Industry-2020” at GLA University, Mathura in association with Indian Institute of Metals,Mathura Chapter from 19th -24th July,2020.
- xiii. Ch.Lakshmi Kanth, P.Gopala Krishnaiah have participated in the One Week Online Faculty Development Program on “Matlab for Mechanical Engineers” at B.M.S College of Engineering, Bengaluru from 20th -24th July, 2020.
- xiv. Dr.G.Vijay Kumar, U.Koteswara Rao, P.Mastan Rao, M.Radha Devi, T.Srinag Ch.Mohan Sumanth have participated in One week Online Faculty Development Program on “Recent research developments in Materials Engineering and Mechanical Design”, organized by the Department of Mechanical Engineering, Vishnu institute of technology during 21st - 25th July 2020.
- xv. Dr.K.Srividya, Ch.Lakshmi Kanth has successfully completed 60 contact hours Faculty Development Program on “AI and Deep Learning” organized by APSSDC from 01st-28th July,2020.
- xvi. Dr. G. Vijay Kumar, Dr. Sd. Abdul Kalam, Dr. M. Naga Swapna Sri, K I Vishnu Vandana, P. Anusha, M. Radha Devi have successfully completed one week National level online FDP on " An academic Perspective on Research" (Best Research practices, Project proposal writing, Funding schemes & IPR) organized by S.R.K.R. Engineering college from 3rd - 7th August, 2020.
- xvii. P. Gopalakrishnaiah has Participated in the One Week Online Faculty Development Programme on “Emerging Green Technologies for the Mechanical Engineers” organized by Mechanical Engineering Department, GIET University, Gunupur from 3rd - 8th August , 2020.
- xviii. K. Sri Ram Vikas has participated in the one week online FDP on “Functional Materials: Processing and Applications” (FMPA 2020), organized by the Department of

Metallurgical and Materials Engineering, Mahatma Gandhi Institute of Technology, Hyderabad in association with the Indian Institute of Metals (Hyderabad Chapter) during 3rd - 8th August, 2020.

- xix. Dr. Ravi Prakash Babu has participated in One Week Faculty Development Programme on “Advanced Nano materials & Their Engineering Applications (AdvNano-2020)” organized by Department of Mechanical Engineering, GMR Institute of Technology, Rajam, A.P. from 3rd to 8th August, 2020.
- xx. Dr. Sd. Abdul Kalam has attended a one week FDP on "Advanced Optimization Techniques for Research Problem Solving" organized by Mahatma Gandhi Institute of Technology, Hyderabad, during 4th - 8th August, 2020.
- xxi. Dr. MSR Niranjan Kumar, Dr. K. Ravi, Dr. G. Vijay Kumar, Dr. P. Phani Prasanthi, Dr. Sd. Abdul Kalam, Dr. K. Srividya, E.Kavitha, Dr. Ravi Prakash Babu, Dr. M. Naga Swapna Sri, P. Mastan Rao, M. Rajyalakshmi, T J Prasanna Kumar, K I Vishnu Vandana, P. Gopalakrishnaiah, N. Raghu Ram, M. Somaiah Chowdary, M. Radha Devi, P. Anusha, K. Sri Ram Vikas, K. Ismail, J. Surendra, Ch. Kishore Reddy, G. Balakrishna, T. Srinag, Ch. Sumanth have actively participated in one - week online Faculty Development Programme on " Recent Developments in Mechanical Engineering" organized by Department of Mechanical Engineering, PVPSIT during 10th - 14th August, 2020.
- xxii. Dr. M. Naga Swapna Sri, P. Anusha, M. Rajyalakshmi, T J Prasanna Kumar, P. Gopalakrishnaiah has participated in a Two - Week Online Faculty Development Programme on “ICT Tools for Teaching, learning process & Institute, jointly organized by EICT academies- NIT Patna, MNIT Jaipur, IIT Roorkee, IIITDM Jabalpur & IIT Guwahati from 10th to 21st August 2020.
- xxiii. E.Kavitha has participated and completed successfully AICTE Training and Learning(ATAL) Academy Online FDP on “Control Systems & Sensors Technology” at Government College of Engineering, Srirangam from 17th -21st August, 2020.
- xxiv. G. Balakrishna has participated in one week Faculty Development Program on “Nano Hybrid Composite Materials Characterization & Applications” organized by Department of Mechanical Engineering, VNR Vignana Jyothi Institute of Engineering and Technology from 24th - 28th August 2020.
- xxv. M.Rajya Lakshmi has participated and completed successfully AICTE Training & Learning (ATAL) Academy Online FDP on “Additive Manufacturing” at Vasireddy Venkatadri Institute of Technology from 21st -25th September, 2020.
- xxvi. M. Radha devi has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Design Thinking" at MNIT Jaipur, from 21st -25th September, 2020.
- xxvii. K.I.V.Vandana, J. Surendra, M.Rajya Lakshmi have successfully completed Faculty Development Programme on “Moodle Test for Teachers” offered by Spoken Tutorial Project ,IIT Bombay, funded by National Mission on Education through ICT ,MHRD, Govt of India on 25th September, 2020.
- xxviii. Dr. Abdul Kalam, Vidya Ch, J. Surendra have attended the FDP on “Advances in Engine Combustion and Emission Diagnostics” through online mode, organized by the Department of Mechanical Engineering, NIT Andhra Pradesh from 05th - 09th October, 2020.

- xxix. Dr. Abdul Kalam, E.Kavitha, M. Radha Devi, Anusha P, N.Raghuram have participated in Online FDP on "IPR & Innovation Management in Engineering Science", Organized by Internal Quality Assurance Cell, Prasad V. Potluri Siddhartha Institute of Technology in association with Andhra Pradesh State Council of Higher Education on 8th October,2020.
- xxx. M. Radha Devi has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Design Thinking" at University College of Engineering(A), JNTUK from 12th – 16th October,2020.
- xxxi. Dr. Kode Srividya, T J Prasanna kumar have participated in the online Faculty Development Programme entitled "Recent Advances in Materials Characterization Techniques"organized by the Department of Metallurgical and Materials Engineering, NIT Andhra Pradesh, from 19th - 23rd October,2020.
- xxxii. Dr. G. Vijay Kumar, M. Rajyalakshmi, K I Vishnu Vandana has actively participated in the AICTE Sponsored Two Week Online Faculty Development Program (FDP) on "Professional Morals, Work Ethics & Accountability for Teachers in Technical Education" organized by Department of CSE during 19th – 31st October,2020.
- xxxiii. Mohan Sumanth Ch has participated in One week Online STTP on "Additive Manufacturing for Medical and Aerospace Applications" organized by Dept. of Mechanical Engineering, Shri Vishnu Engineering College for Women, held from 26th - 31st October,2020.
- xxxiv. Ch.Mohan Sumanth has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "3D Printing & Design" at University College of Engineering from 02nd – 06th November 2020.
- xxxv. M.Rajyalakshmi has participated in AICTE sponsored Two Weeks Online Faculty Development Program on "Research Methodology, Design of Experiments for Engineers & Researchers at R.V.R. & J.C. College of Engineering (A) from 07th -19th December,2020.
- xxxvi. Dr. Srividya, Dr. Sd. Abdul Kalam has successfully completed the Two Week AICTE sponsored online FDP on "Frontier of 3D Printing Technology and its Industrial Applications (Phase - I)" organized by Dept. of Mechanical Engineering, LBRCE, Mylavaram, from 7th – 19th December,2020.
- xxxvii. T.J. Prasanna Kumar has participated in the 2 weeks AICTE Sponsored FDP on " Recent Developments of Nano - Composites and smart materials in the Aerospace industry" conducted by Dept. of Aeronautical Engineering, MLR Institute of Technology, Hyderabad from 7th – 19th December,2020.
- xxxviii. P. Mastan Rao has participated in the 5 Days TEQIP - III RTU (ATU) sponsored online FDP on " Renewable Energy" at Poornima college of Engineering, Jaipur, Rajasthan from 14th -18th December,2020.
- xxxix. Dr.B.Raghu Kumar has participated online one week Faculty Development Program on "Advances in Tribology (In association with TSI) at Sreenidhi Institute of Science and Technology, Hyderabad from 14th -19th December,2020.

- xl. Vidya Chaparala has virtually participated in Faculty Development Program (FDP) on “Research Grant for Higher Education” organized by Navjivan Centre for Development (NCD) on 19th December,2020.
- xli. K.I.Vishnu Vandana, M. Rajya Lakshmi have participated in the five day online Short Term Course on “Smart Manufacturing Technologies”, Organized by Department of Mechanical Engineering at Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, during 23rd - 27th December, 2020.
- xlii. Dr.B.Raghu Kumar has received the certificate of NPTEL-AICTE Faculty Development Programme for successfully completing the course” Problem Solving through Programming in C” (Jan-April 2020).
- xliii. Dr.K.Srividya, E.Kavitha, P.Anusha, Dr.M.Naga Swapna Sri have received the certificate of NPTEL-AICTE Faculty Development Programme for successfully completing the course “Advanced Machining Processes” (Sep-Nov 2020).

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

- i. T J Prasanna Kumar has successfully completed the National Level Online Quiz on “Mechanics of Fluids and Hydraulic Machines” organized by Department of Mechanical Engineering, Vidya Jyothi Institute of Technology conducted on 01st July 2020.
- ii. Dr.Sd.Abdul Kalam,P.Anusha, Dr.M.Naga Swapna Sri, K.Venkat Rao, T J Prasanna Kumar, Ch.Lakshmi Kanth, P.Gopala Krishnaiah,N.Raghuram have successfully participated in the National Level Online Quiz on “Refrigeration & Air Conditioning” Conducted by Department of Mechanical Engineering, Dhanekula Institute of Engineering & Technology, Ganguru in association with ISHRAE held on 01st July 2020.
- iii. E.Kavitha has participated in the National Level Quiz on “Artificial Intelligence” at Saveetha Engineering College, Chennai held on 01st July 2020.
- iv. K.Venkat Rao has successfully completed in the National Level Online Quiz on “Mechanics of Fluids and Hydraulic Machines” at Vidya Jyothi Institute of Technology on 01st July 2020.
- v. Dr.M.Naga Swapna Sri, P.Anusha have successfully completed E-Quiz on Electric Vehicles at Lendi Institute of Engineering &Technology, Vizianagaram.
- vi. P.Anusha has successfully completed National Level Quiz on “Hydraulics and Hydraulic Machines” at K.L Deemed to be University, Guntur.
- vii. P.Anusha, Dr.M.Naga Swapna Sri have successfully completed in the National Online e-Quiz on “Renewable Energy Sources” at Rise Krishna Sai Prakasam Group of Institutions, Ongole on 06th July, 2020.
- viii. K.Venkat Rao, Ch.Vidya, T.J.Prasanna Kumar, P.Gopala Krishnaiah have participated in an E-Quiz on “Essence of Fluid Mechanics” at Gogte Institute of Technology, Karnataka held between 07th -09th July, 2020.
- ix. E.Kavitha has successfully completed online quiz on Empowerment of Women conducted at Tirumala Engineering College, Guntur from 18th -20th July, 2020.

- x. E.Kavitha, P.Anusha, Dr.M.Naga Swapna Sri have successfully participated in the National Online Technical Quiz on “Production Technology” conducted at Lakkireddy Bali Reddy College of Engineering (Autonomous), Mylavaram on 27th July, 2020.

f) Conferences:

- i. Dr. Vijay Kumar has participated and presented a paper titled "Analysis of Composite Raft Mount for Vibration Reduction of A centrifugal Pump" in IC14TCME-2020 held at Venkatadri Institute of Technology on 4th & 5th December - 2020.
- ii. M. Rajya Lakshmi has participated and presented a paper titled "Multi - Response Optimization of Machining of AISI304 using Taguchi based Grey Relational Analysis" in IC14TCME-2020 held at Venkatadri Institute of Technology on 4th & 5th December - 2020.
- iii. Ch. Lakshmi Kanth has participated and presented the paper entitled " Modelling & Analysis of Cylindrical block for V8 Engine" in 1st International Conference on Science, Technology and Management (ICSTM - online) on 5th & 6th December - 2020.
- iiii. Vidya Chaparala has participated and presented a paper entitled " Thermodynamic analysis of cross flow heat exchanger with organic blends as substitute to ionic coolants" in the 5th International Conference on Applications of Fluid Dynamics (ICAFD - 2020) , organized by the School of Mechanical Engineering, VIT - AP University in association with University of Johannesburg, South Africa at VIT - AP University, India during 13th -15th December, 2020
- liv. J.Surendra has participated and presented a paper title “Experimental and Analytical studies on Natural Frequencies of thin bonded metallic plates in 11th Conference on Materials Processing and Characterization -2020(ICMPC-2020) organized by Department of Mechanical Engineering & Metallurgy Engineering & Material Science , IIT Indore during 15th -17th December, 2020.

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

a) Scopus indexed journals:

- i. V. Sri Sai HarshaVardhan, K. Ravi Prakash Babu, B. Raghu Kumar, G. Rama Krishna Mechanical Characterization of E-Glass Fibre Reinforced Composite with Graphene Nano Particles as Filler, International Journal of Emerging Trends in Engineering Research Volume-8. No. 9, September 2020, pp. 5043-5047.

b) SCI/SCIE/ESCI indexed journals:

- i. M. Somaiah Chowdary, Raghavendra, M. S. R. Niranjan Kumar, Shakuntala Ojha, M. Om Prakash A review on the degradation of properties under the influence of liquid medium of hybrid polymer composites, SN Applied Sciences, Springer nature Journal, Springer Nature Switzerland AG 2020, (2020) 2:1708, September, 2020-10-05.
- ii. P. Phani Prasanthi, K. Sivaji Babu, M. S. R. Niranjan Kumar, A. Eswar Kumar, Comparison of elastic properties of different shapedparticle reinforced composites using micromechanicsand finite element method, International Journal of Computational MaterialsScience and Engineering, Vol. 9, No. 2 (2020) 2050011 (16 pages) September-2020.

- iii. M. Somaiah Chowdary, G. Raghavendra, M. S. R. Niranjan Kumar, S. Ojha, Vasavi Boggarapu, Influence of Nano-Silica on Enhancing the Mechanical Properties of Sisal/Kevlar Fiber Reinforced Polyester Hybrid Composites, *Silicon* 2020, Springer Nature Switzerland AG. Part of Springer Nature, November, 2020, DOI: <https://doi.org/10.1007/s12633-020-00846-y>.

c) IEEE/Springer journals: NIL

d) UGC/other journals:

- i. M.S.R. Niranjan Kumar, M. Somaiah Chowdary, N. Sivateja, N. Prudhviraaj, “Effect of Nano Clay on the Mechanical Properties of Kevlar Fiber Reinforced Epoxy Composites”, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)* ISSN (P): 2249-6890; ISSN(E): 2249-8001 Vol. 10, Issue 3, August, 2020, Pp. 8547-8554.
- ii. K. Srividya, P. Phani Prasanthi, M. Radha Devi, G. Vamsi Krishna, P. Anuroop, Tensile And Flexural Studies On Banana And Americana Hybrid Composite, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 10, Issue 4, August- 2020, 219–228.
- iii. K. Gopi Krishna, Koteswara Rao Unnam, Nagaraju Cherukuri, Mitigation Of Stress Concentration In A Plate Having A Central Hole Subjected To Tensile Load Using Piezoelectric Patches, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 10, Special Issue, August-2020, 414–419.
- iv. Sd. Abdul Kalam, Design and Analysis Of Hydraulic Actuated Mandrel, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 10, Special Issue, August-2020, 49–60.
- v. N. Prudhviraaj, M. Somaiah Chowdary, Dr. M.S.R. Niranjan Kumar, N. Sivateja, Effect Of Nano Clay On The Mechanical Properties Of S-Glass Fiber Reinforced Epoxy Composites, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 3, 13747–13754, September-2020.
- vi. Vinay Kumar Gurram, P.Phani Prasanthi, Sri Ram Vikas.k, A.Eswar Kumar, Tensile Strength of Starch Based Sisal Fiber Reinforced Composite, *International Journal of Advanced Science and Technology*, Vol. 29, No.4, September (2020), pp.8680 – 8687.
- vii. T. Naveen Kumar, Sd. Abdul Kalam, V. S. N. Venkata Ramana, K. Sri Ram Vikas, Experimental Investigation on Mechanical Properties of Burnished Aluminum Metal Matrix Composites, *International Journal of Advanced Science and Technology*, Vol. 29 No. 3 (2020), September-2020.
- viii. G.Naga Mallikarjun Rao, P.Phani Prasanthi, B. Raghu Kumar, N. Raghu Ram, A. Eswar Kumar, Tensile Strength of Bagasse Fiber Reinforced Composite with Different Orientation of Bagasse Fiber, *International Journal of Advanced Science and Technology*, Vol. 29, No. 3, (2020), pp. 14432 – 14438, September-2020.
- ix. Arava Madhava Sai Swamy, G.Vijaya Kumar, P. Phani Prasanthi, Analysis of E-Glass Particle Reinforced PLA Matrix Composite for 3D Printing Applications using ANSYS,

International Journal of Emerging Trends in Engineering Research, ISSN 2347 – 3983, Volume 8. No. 10, October 2020.

- x. K.I.Vishnu Vandana, K.N.S.Suman, Evaluation of Cutting Performance of Alumina-Graphene Composite Ceramic Tool, International Journal of Emerging Trends in Engineering Research, ISSN (P): 2347 - 3983, Vol. 8, Issue 10, 7524–7531, October-2020.
- xi. T J Prasanna Kumar, K Venkata Rao, Ch Lakshmikanth, P Gopala Krishnaiah, Vibration Analysis on Sandwich Beams & Plates using Finite Element Technique, International Journal of Engineering Research & Technology (IJERT), Volume 09, Issue 12 (December 2020), ISSN (Online): 2278-0181.
- xii. Rupa Athimakula, Ch. Lakshmikanth, Sai Bargav Chowdary B, Ismail Karawada, Modeling and Analysis of Cylinder Block for V8 Engine, International Research Journal on Advanced Science Hub, Volume-2; Issue-12, December-2020; ISSN: 2582-4376.

e) Conference Proceedings:

- i. K. Sri Ram Vikas, N.Raghu Ram, B.SaiCharan, Sastry S.Indrakanti, Hot pressing of copper and copper-based composites: Microstructure and suitability as electrodes for electric discharge machining, International Conference On Advances in Minerals, Metals, Materials, Manufacturing and Modelling (ICAM5 - 2019), (September 25-27, 2019), Organised by Department of Metallurgical and Materials Engineering and proceedings by Materials Today. July-2020.

f) Book chapters: NIL

- i. Geetha Satya Sai, S., Sailesh, V., Mobin, S.K., Sai Krishna, Y., Prasanthi, P.P., Analysis of Composite Leaf Springs Using Finite Element Method, Lecture Notes in Mechanical Engineering, 2021, 26, pp. 479–488, December-2020

g) Books: NIL

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

a. Patents:

- iv. Dr.Phani Prasanthi, Garikipati Naga Mallikarjun Rao, Dr. K. Sivaji Babu, Dr.B.Raghu Kumar, Filed A Patent On “Acoustic Device For Agriculture Fields To Keep Away The Birds And Rats”, With The Application Number: 335950-001), On 5/12/20 At Intellectual Property Rights, Government Of India.
- lvi. Dr.P.Phani Prasanthi, Garikipati Naga Mallikarjun Rao, Dr.K.Sivaji Babu, Filed A Patent Titled” School Bag With Backpack Frame”, With Application Number: 335515-001, On 25/11/2020, At Intellectual Property Rights, Government Of India.
- lvii. Dr.Phani Prasanthi, Garikipati Mallikarjun Rao, Dr.K.Sivaji Babu, filed a patent Titled “Center Stand For Two Wheeler Motor Cycle, With The Application Number: 335102-001 On 10/11/2020, It was in Published Journal No is 01/2021and Granted , by Intellectual Property Rights, Government Of India.

- lviii. Dr.P.Phani Prasanthi, B.Raghu Kumar, Dr.K.Sivaji Babu, Dr.M.S.R.Niranjan Kumar, filed A Patent Titled” “Backpack Frame To Carry School/Travel Bag With Less Effort”, With The Application Number: 202041030824, it was published On 31/7/2020, by Intellectual Property Rights, Government Of India.
- lix. Dr.P. Phani Prasanthi, Garikipati Naga Mallikarjun Rao, Dr.K. Sivaji Babu, Dr.M.S.R. Niranjan Kumar, Filed A Patent On “Water Container”, With An Application Number: 334854-001 On 3/11/2020, It Was Published in Journal No is 52/2020, And Granted On 25/12/2020, At At Intellectual Property Rights, Government Of India.
- lx. Dr.P.Phani Prasanthi, Dr.K.Sivaji Babu, Dr.M.S.R Niranjan Kumar, Dr.B.Raghu Kumar, Filed A Patent On “Locust Prevention In The Crop Fields By Sounds Generating Machine”, With The Application Number: 202041040749, On 21-9-2020, At At Intellectual Property Rights, Government Of India.
- lxii. Dr.K.Srividya, Dr.P.Phani Prasanthi, P.Anusha Dr.M.Naga Swapna Sri, Filed A Patent on “Electro-Magnetic Cruse Control System of A Two Wheeler”, With An Application Number: 202041039663, On 14-9-2020, At At Intellectual Property Rights, Government Of India.
- lxiii. Dr.P Phani Prasanthi Filed A Patent On 21/5/2020 Titled Foot Operated Sanitizer”, With An Application Number: 329488-001, The Patent Was Published in Journal No is 49/2020 And Granted On “04/12/2020 By Intellectual Property Rights, Government Of India.
- lxiiii. P Phani Prasanthi, Filed A Patent On “Portable Uv Sanitizing Device”, With An Application Number 333176-001 On 14-09-2020, It Was Published in Journal No is 45/2020 And Granted On 06/11/2020, By Intellectual Property Rights, Government Of India.
- lxv. Dr.P Phani Prasanthi, Filed A Patent Electrically Operated Smut Cleaning Device, With An Application Number: 333171-001 On 14-09-2020, It Was Published in Journal No is 45/2020 And Granted On It Was Published And Granted On 06/11/2020, By Intellectual Property Rights, Government Of India.
- lxvi. Dr.P Phani Prasanthi, Sri.M V H Satish Kumar, Filed A Patent Titled: Multi Knife Cutter, With An Application Number: 321344-001, On 5-9-2019, It Was Published in Journal No is 36/2020 And Granted On It Was Published And Granted On 04/9/2020, By Intellectual Property Rights, Government Of India.
- lxvii. Dr.P Phani Prasanthi, Filed A Patent Titled: Wrist Banded Sanitizer Dispenser”, With An Application Number: 331232-001, On 20-7-2020 At Intellectual Property Rights, Government Of India.
- lxviii. Dr.P Phani Prasanthi, Filed A Patent Titled: Pomegranate Juicer With An Application Number: 329661-001, On 28-5-2020, It Was Published in Journal No is 10/2021 And Granted On “05/03/2021” By Intellectual Property Rights, Government Of India.
- lxviiii. Vinneth Krishna, Lakshman Chowdary, Dr.P.Phani Prasanthi Filed A Patent On “A Device To Decantation Of Water For Reuse” With An Application Number: 202041002316, On 20-1-2020 At Intellectual Property Rights, Government Of India.

- lxix. Dr.Sd.Abdul Kalam Filed A Patent On “Voice Based Smart Home Automation System”, With An Application Number 202041050057; The Patent Was Published on 27/11/2020 by Intellectual Property Rights, Government Of India.
- lxx. Dr.P.Phani Prasanthi,Garikipati Naga Mallikarjun Rao, Dr.K.Sivaji Babu, Dr.M.S.R. Niranjan Kumar, Filed A Patent On “Dual Clutch Operated Hybrid Vehicle Transmission System”, With An Application Number: 336993-001, On 30/12/2020, It Was Published in Journal No is 11/2021 And Granted On “12/03/2021” By Intellectual Property Rights, Government Of India.

b. Ph.Ds awarded: NIL

c. Guest lectures delivered:

- i. Dr.B.Raghu Kumar has delivered a Lecture on “NAAC application process and Criteria-2” for faculty of Drs.Sudha & Nageswara Rao Siddhartha Institute of Dental Sciences, Smt.Velagapudi Durgamba Siddhartha Law College, K.V.S.R. Siddhartha College of Pharmaceutical Sciences, , Narsaraopet Institute of Technology, Narsaraopeta, Vahini Institute of Technology, Thiruvuru and DMS & SVH College of Engineering, Machilipatnam on 17 & 18 December, 2020.

d. Reviewers of journals:

- i. Dr. Raghu Kumar, Professor, Department of Mechanical Engineering, Reviewer for International Journal of Mechanics and Design.
- ii. Dr. G. Vijay Kumar, Professor, Department of Mechanical Engineering, Reviewer for Sound and Vibration Journal.
- iii. Dr.P.Phani Prasanthi, Associate Professor, Department of Mechanical Engineering, Reviewer of “Functional Composites and Structures” Journal.
- iv. Mr. Ismail. Kakaravada, Assitant Professor, Department of Mechanical Engineering, reviewer for Multi Discipline modelling in materials and structures.
- v. Mr. Ismail. Kakaravada, Assitant Professor, Department of Mechanical Engineering, reviewer for Trends in Mechanical Engineering and Technology.
- vi. Mr. Ismail. Kakaravada, Assitant Professor, Department of Mechanical Engineering, editorial team member for International Journal of Metal forming and Manufacturing Process.
- vii. Mr. Ismail. Kakaravada, Assitant Professor, Department of Mechanical Engineering, reviewer for International Journal of Materials Engineering and Innovations.
- viii. Mr. Ismail. Kakaravada, Assitant Professor, Department of Mechanical Engineering, reviewer for Iranian Journal of Materials Science and Engineering.
- ix. Mr. Ismail. Kakaravada, Assitant Professor, Department of Mechanical Engineering, reviewer for International Journal of Manufacturing and Materials Processing.

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

- i. Dr.Raghu Kumar has participated as a BOS member to discuss and finalize second year I semester syllabus for VVIT-19 Regulations through google meet at Vasireddy Venkatadri Institute of Technology, Nambur on 03rd August, 2020.

7. MOOCs courses completed by the faculty:

- i. Ms.P.Anusha completed a course titled “Mechanics Of Materials-Iv: Deflection, Buckling, Combined Loading And Failure Theories” authorized by University of Colorado and offered through Coursera on 06/07/2020.
- ii. Mr. Ch. Lakshmikanth completed a course titled “Introduction To Programming With Matlab” authorized by University and offered through Coursera on 13/07/2020.
- iii. Dr. K. Sri Vidya completed a course titled “Quantum Mechanics” authorized by University of Colorado and offered through Coursera on 14/07/2020.
- iv. Mr.U.Koteswara Rao completed a course titled “Technical Writing” authorized by Mascow Institute of Physics and Technology University and offered through Coursera on 21/07/2020.
- v. Ms. M.Rajya Lakshmi completed a course titled “Everyday Excel, Part 1” authorized by University and offered through Coursera on 25/07/2020.
- vi. Mr.M.V.H.Sathish Kumar completed a course titled “Statistical Molecular Thermodynamics” authorized by University of Minnesota and offered through Coursera on 28/07/2020.
- vii. Mr.Sri Ram Vikas.K completed a course titled “Statistical Molecular Thermodynamics” authorized by University of Minnesota and offered through Coursera on 28/07/2020.
- viii. Mr.T.J.Prasanna Kumar completed a course titled “Statistical Molecular Thermodynamics” authorized by University of Minnesota and offered through Coursera on 28/07/2020.
- ix. Mr. G.Bala Krishna completed a course titled “Advanced Manufacturing Process Analysis” authorized by the state University of New York and offered through Coursera on 29/07/2020.
- x. Dr. K. Sri Vidya completed a course titled “Python programming Essentials” authorized by University and offered through Coursera on 30/07/2020.
- xi. Dr. P. Phani Prasanthi completed a course titled “Python programming Essentials” authorized by University of Colorado and offered through Coursera on 30/07/2020.
- xii. Ms.P.Anusha completed a course titled “Quantum Mechanics” authorized by University of Colorado and offered through Coursera on 30/07/2020.
- xiii. Ms. K.I.V.Vandana completed a course titled “A life of happiness and fulfilment” authorized by University of ISB and offered through Coursera on 30/07/2020.
- xiv. Dr. M. Naga Swapna Sri completed a course titled “Quantum Mechanics” authorized by University of Colorado and offered through Coursera on 30/07/2020.
- xv. Mr. N.Raghuram completed a course titled “Ai For Everyone” authorized by University deeplearning.AI and offered through Coursera on 31/07/2020.

- xvi. Mr. N.Raghuram completed a course titled “Introduction To Basic Vibrations” authorized by University of Georgia Institute of Technology and offered through Coursera on 31/07/2020.
- xvii. Ms. M.Rajya Lakshmi completed a course titled “Mind Shift” authorized by University and offered through Coursera on 02/08/2020.
- xviii. Ms. Ch. Vidya completed a course titled “Design Thinking for Innovation” authorized by University of Virginia and offered through Coursera on 03/08/2020.
- xix. Ms. Ch. Vidya completed a course titled “Converting Challenges in to Opportunities” authorized by University of California San Diego and offered through Coursera on 03/08/2020.
- xx. Ms. M.Rajya Lakshmi completed a course titled “Teaching Online” authorized by University and offered through Coursera on 07/08/2020.
- xxi. Dr. K. Sri Vidya completed a course titled “Introduction to Engineering Mechanics” authorized by Georgia Institute of Technology University and offered through Coursera on 24/08/2020.
- xxii. 10 number of faculty got certificates in **NPTEL** courses.

8. Industrial Visits: NIL

9. Students' achievements:

a) Co-curricular Activities:

- i. Govardhan Naidu of IV B.Tech has successfully participated in the National Level Online Quiz on “Refrigeration & Air Conditioning” Conducted by Department of Mechanical Engineering, Dhanekula Institute of Engineering & Technology, Ganguru in association with ISHRAE held on 01st July 2020.
- ii. N.Sarath Kumar of IV B.Tech has participated in the National Level Quiz on “Artificial Intelligence” at Saveetha Engineering College, Chennai held on 01st July 2020.
- iii. M.Devi Prasad, M.Vamsikumar, M.Nikhitha, P.Praneeth, N.Naveen, P.Mohan Sai, N.Manohar, M.S.K.Chaitanya, Md.Fazurulla, Md.Sohail Sarfaraaz Alam, M.Siva Rithwick, N.Mahesh, N.Pavan, N.Karthiksai, N.Maniraju, P.Udaya Durga, P.Anuroop of III B.Tech has participated in the National Level Quiz on “Artificial Intelligence” at Saveetha Engineering College, Chennai held on 01st July 2020.
- iv. N.Yuva Mani Kumar of IV B.Tech has participated in Online Training Program on “Advanced Simulation Process” organized by APSSDC from 29th June -04th July, 2020.
- v. N.Yuva Mani Kumar of IV B.Tech has participated in Online Training Program on “Fundamentals of Drone Technology” organized by APSSDC from 01st -08th July, 2020.
- vi. K.Venkata Mohan Bhargav of IV B.Tech has participated in the Online Training program on “Advanced Simulation Process” organized by APSSDC from 06th -11th July, 2020.
- vii. K.V.P.T. Jagannadha Rao of B.Tech IV year has participated and successfully completed APSSDC online workshop on " Delmia- Factory Flow Simulation" organizedd by APSSDC in association with Dassault Systemes from 13th – 17th July, 2020.

- viii. Davuluri Sri Satya Sai Pradeep, J. Hema Krishna Kumar, J. Dinesh Sai Kumar, K.V.P.T. Jagannadha Rao, J. Chanakya of B.Tech IV year have participated and successfully completed APSSDC online workshop on " Aerospace Composites" organized by APSSDC in association with Dassault Systemes from 13th – 17th July, 2020.
- ix. N.Yuva Mani Kumar of IV B.Tech has participated in Online Training Program on "Advance Simulation Solutions" organized by APSSDC from 13th -17th July, 2020.
- x. M.Rajesh of IV B.Tech has participated in One Day Webinar on "Panel Discussion on Successful Startup Incubation" organized by APSSDC on 15th July, 2020.
- xi. M.Rajesh of IV B.Tech has participated in One Day Webinar on "Interviews with World Skills & India Skills Champions" organized by APSSDC on 15th July, 2020.
- xii. S. Siddhartha of B. Tech III year has successfully completed the National Level Quiz in " Strength of Materials" Organized by Dept. of Civil Engineering, PVPSIT, during 18th - 24th July, 2020.
- xiii. M. Navya Kanth, J. Chanakya of B.Tech IV year have successfully participated in summer online training programme on "Advanced Surface Design by CATIA" organized by APSSDC during 13th - 25th July, 2020.
- xiv. P. Madan Mohan, Davuluri Sri Satya Sai Pradeep of B.Tech IV year have successfully participated in summer online training programme on " Product Design and Drafting by Solid Edge" organized by APSSDC during 13th – 25th July, 2020.
- xv. A total of 63 students of II B.Tech have participated in One Day Webinar on "Design Thinking" organized by Department of Mechanical Engineering at P.V.P.Siddhartha Institute of Technology, Vijayawada from 25th July, 2020.
- xvi. A total of 164 students of III B.Tech & IV B.Tech have participated in One Day webinar on "Advanced Manufacturing Technologies in Aerospace Sector" at P.V.P.Siddhartha Institute of Technology, Vijayawada on 30th July,2020.
- xvii. Govardhan Naidu of IV B.Tech has successfully completed the Kargil Vijay Diwas Quiz organized by my govt and Ministry of Human Resource Development.
- xviii. Govardhan Naidu of IV B.Tech has successfully completed the "Space Quiz" organized by my govt and ISRO.
- xix. K.Dinesh of IV B.Tech has successfully completed Full Stack Web Development Program Demo Session organized by Edureka on 30th July, 2020.
- xx. J. Dinesh Sai Kumar of B.Tech IV year has successfully participated in online training program on "Mechanical Design and Drafting by AutoCad" organized by APSSDC during 27th July - 8th August, 2020.
- xxi. Ch. Venkata Sumanth Sairam Vivel of B.Tech III year has successfully participated in online training programme on "Product Design and drafting by CATIA" organized by APSSDC during 27th July - 8th August, 2020.
- xxii. K. Mohana Venkata Bhargav, Raghava Anantha Krishna of B.Tech IV year has successfully participated in summer online training programme on "Advanced Surface Design by CATIA" organized by APSSDC during 27th July - 8th August, 2020.
- xxiii. A. Sukumar of B. Tech III year has participated in online webinar on "Boost your skill set with open source Technologies" organized by by APSSDC on 2nd August, 2020.

- xxiv. A. Sukumar of B. Tech III year has successfully completed the "Aatmanirbhar Bharat - Swatantra Bharat Quiz" organized by Ministry of Defence & MyGov congratulate on 2nd August, 2020.
- xxv. B.Harsha Vardhan has successfully completed online Awareness program on "Entrepreneurship" organized by Institution's Innovative Council (IIC), S.R.K.R. Engineering college, on 6th August, 2020.
- xxvi. A. Sukumar of B.Tech III year has attended the bootcamp on "Fundamentals of Hybrid Electric Vehicle" organized by Skill Lync, on 8th August, 2020.
- xxvii. A. Sukumar of B.Tech III year has attended the bootcamp on "Fundamentals of Computational Fluid Dynamics" organized by Skill Lync, on 8th August, 2020.
- xxviii. A. Sukumar of B. Tech III year has participated in online webinar on "Verilog HDL based VLSI Design" organized by by APSSDC on 10th August, 2020.
- xxix. B. Teja of B. Tech III year has attended a webinar on "Recent Trends in Engine Design" conducted by Centre for Excellence: Mechanical Engineering and Innovation (CEMEI) on 10th August, 2020.
- xxx. M.Devi Prasad of B.Tech III Year has successfully completed "National Level E-Quiz on Engineering Graphics" Organized by Department of Mechanical Engineering, BWEC, Bapatla on 10th August, 2020.
- xxxi. S. Siddhartha of B. Tech III year has successfully completed "National Level E-Quiz on Engineering Graphics" Organized by Department of Mechanical Engineering, BWEC, Bapatla on 11th August, 2020.
- xxxii. B. Harsha Vardhan of B. Tech III year has actively participated and and successfully completed APSSDC online Workshop on "Marine & offshore-Oil Rig Manufacturing Planner" organized by APSSDC in Association with Dassault systemes from 24th - 28th August, 2020.
- xxxiii. S. Siddhartha of B. Tech III year has successfully completed the " Covid-19 Awareness Quiz" conducted through online.
- xxxiv. N.Govardhan of IV B.Tech has actively participated and and successfully completed APSSDC online Workshop on "Mechanical Components Drafting by Auto CAD" organized by APSSDC from 17th -29th August, 2020.
- xxxv. Md.Ameer Sohail of IV B.Tech has actively participated and successfully completed APSSDC online workshop on " Marine & Offshore Oil Rig Manufacturing Planner" organized by APSSDC from 24th – 28th August, 2020.
- xxxvi. P.Narayana Rao of IV B.Tech has successfully participated in Online Training Programme on " Product Design and Drafting by Solid Edge" organized by APSSDC, Govt.of Andhra Pradesh, held from 17th to 29th August2020.
- xxxvii. N.Yuvamani Kumar,N.Pavan Krishna of IV B.Tech has successfully participated in Online Training Program on “Python Programming” organized by APSSDC from 24th August - 12th September, 2020.
- xxxviii. B.Sumanth of IV B.Tech has participated in event India Quiz, Environmental Quiz at KLU Surabhi Fest 2020 from 04th -06th September, 2020.

- xxxix. A.Naga Raviteja of IV B.Tech has participated in event Fourth Estate at KLU Surabhi Fest 2020 from 04th -06th September, 2020.
- xl. A.Naga Raviteja of IV B.Tech has participated in event Floor Crossing at KLU Surabhi Fest 2020 from 04th -06th September, 2020.
- xli. N.Sarath Kumar of IV B.Tech has participated in Online Training Program on “Advanced Simulation Process” organized by APSSDC from 07th -11th September, 2020.
- xlii. K.Mohana Venkata Bhargav of IV B.Tech has participated in Online Training Program on “Motion Simulation” organized by APSSDC from 07th -11th September, 2020.
- xliii. M.Nikhitha of III B.Tech has participated in event Technical Paper Presentation and **won 1st Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- xliv. P. Anuroop of III B.Tech has participated in event Technical Paper Presentation and won **2nd Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- xlv. Md.Salman of IV B.Tech has participated in event Technical Paper Presentation and won **3rd Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- xlvi. A.Rohith Kumar of III B.Tech have participated in event Design contest and won **1st Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- xlvii. B. Manish Chandra of IV B.Tech have participated in event Design contest and **won 2nd prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- xlviii. P.Mohansai of III B.Tech have participated in event Design contest and **won 3rd Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- xliv. Ch.V.S.S.Vivek of III B.Tech have participated in event Tech Jam and **won 1st Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- i. Y. Bhagavan Pradeep of III B.Tech have participated in event Tech Jam and **won 2nd prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
 - ii. S.Naga Kumar of III B.Tech have participated in event Tech Jam and **won 3rd Prize** on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
 - iii. Two members of II. B.Tech, seven members of III. B.Tech and two members of IV B. Tech students have participated in event Technical Paper Presentation on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
 - liii. Four members of II. B.Tech, fourteen members of III. B.Tech and eight members of IV B. Tech students have participated in event Design contest on Engineers day organized by

ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.

- liv. One member of II. B.Tech, ten members of III. B.Tech and two members of IV B. Tech students have participated in event Tech Jam on Engineers day organized by ISTE Student Chapter at P.V.P.Siddhartha Institute of Technology, Kanuru, Vijayawada on 15th September, 2020.
- lv. P.Deva Chandra Raju of IV B.Tech has participated in Online Training Program on “Advanced Simulation Process” organized by APSSDC from 14th -18th September, 2020.
- lvi. Y.Gowtham has successfully completed Engineers Day Quiz conducted by Bharathiya Vignana Mandali on 15th September, 2020.
- lvii. P.Anuroop,Md.Fazurulla,N.Manohar, P.Mohansai,N.Pavan of III B.Tech has received a certificate of recognition as MyNEP Ambassador for the valuable contribution towards promoting the National Education Policy 2020 on 19th September, 2020.
- lviii. P.Anuroop, M.Sri Krishna Chaitanya, Md.Fazurulla, N.Karthik, N.Manohar, P.Mohansai, M.Nikhitha, P.Udaya Durga of III B.Tech has participated in MyNEP Quiz Competition on 19th September, 2020.
- lix. D.Prudhvi Raju has successfully participated in Online Training Programme on “Python Programming” from 14th Sep 03rd Oct,2020.
- lx. N.Sarath Kumar of IV B.Tech has successfully participated in Online Training Programme on “Product Design and Drafting by CATIA" organized by APSSDC, Govt.of Andhra Pradesh, held from 21st Sept to 03rd October, 2020.
- lxi. Md.Abdul Rahim Ahmed of II B.Tech has successfully participated in Online Training Programme on “Mechanical Components Drafting by AutoCAD” organized by APSSDC, Govt.of Andhra Pradesh from 06th -17th October, 2020.
- lxii. Md.Sameer, K.Sai Dikshit of II B.Tech have successfully participated in Online Training Programme on " Product Design and Drafting by Solid Edge" organized by APSSDC, Govt.of Andhra Pradesh, held from 24th November to 05th December,2020.
- lxiii. Sk. Yusuf of III B.Tech has successfully completed the quiz on " Data Structure using C" organized by Pune Vidyarthi Griha's College of Engineering, Nashik on 12th December,2020.
- lxiv. Md.Sameer, K.Sai Dikshit, B.Tarun Kumar of II B.Tech have successfully participated in Online Training Programme on " Product Design and Drafting by Solid Edge" organized by APSSDC, Govt.of Andhra Pradesh, held from 07th to 19th December,2020.
- lxv. M. Praveen Chowdary and N. Aishwarya, K.Venu of II B.Tech have successfully completed "Srinivasa Ramanujan Talent Test - 2020" Conducted by Department of Basic Sciences & Humanities, Sri Vasavi Engineering College(A), on the occasion of National Mathematics Day on 22ndDecember,2020.
- lxvi. S. Naga Kumar of III B. Tech has successfully completed the course in “Introduction to CAD: Learn Fusion 360 in 90 Minutes" by AUTODESK - Design company on 29th December,2020.
- lxvii. S. Naga Kumar of III B. Tech has successfully completed the course in “Product Design: Prosthetic Design" by AUTODESK - Design company on 29th December, 2020.

lxviii. S. Naga Kumar of III B. Tech has successfully completed the course in “Fusion 360: Creating Assemblies” by AUTODESK - Design company on 30th December, 2020.

b) Extra-curricular Activities:

- i. Kondapalli Sai Krishna participated in Intership organized by PRINSTON SMART ENGINEERS.
- ii. Kollikonda uday Gopal participated in Good governance day election competition in PVPSIT & Srinivasa Ramanujan election competition at VRSEC and got I-prize.
- iii. Javvaji Dinesh Sai Kumar participated in JAM organized by PVP Siddhartha institute of technology and got II-prize.

c) Coursera/NPTEL Details of the students:

- i. Mr. A.Anil Sai completed a course titled “innovation in investment technology : AI” authorized by University and offered through Coursera on 06/07/2020.
- ii. Mr. A.Anil Sai completed a course titled “astro tech : the science & technology behavior astronomical discovery” authorized by the University of Edinburgh and offered through Coursera on 06/07/2020.
- iii. Mr. SK. SUBHAN VALI completed a course titled “Mechanics of Materials II” authorized by Georgia Institute of Technology University and offered through Coursera on 09/07/2020.
- iv. Mr. SK. SUBHAN VALI completed a course titled “Mechanics of Materials III” authorized by Georgia Institute of Technology University and offered through Coursera on 09/07/2020.
- v. Mr. A.Anil Sai completed a course titled “electrical vehicles” authorized by Ecole des ponts University and offered through Coursera on 15/07/2020.
- vi. Mr. M.Rajesh completed a course titled “Mechanics of materials IV” authorized by Georgia Institute of Technology University and offered through Coursera on 15/07/2020.
- vii. Mr. B.Harsha Vardhan completed a course titled “Mechanics of materials-2” authorized by Georgia Institute of Technology University and offered through Coursera on 28/07/2020.
- viii. Mr. B.Harsha Vardhan completed a course titled “Mechanics of materials-3” authorized by Georgia Institute of Technology University and offered through Coursera on 28/07/2020.
- ix. Mr. B.Harsha Vardhan completed a course titled “Wind energy” authorized by Technical University of Denmark and offered through Coursera on 28/07/2020.
- x. Mr. B.Chaitanya completed a course titled “Mechanics of Materials III: Beam Bending” authorized by Georgia Institute of Technology University and offered through Coursera on 28/07/2020.
- xi. Mr. SK. YUSUF completed a course titled “Introduction to personal Branding” authorized by University of Virginia and offered through Coursera on 28/07/2020.
- xii. Mr. SK. YUSUF completed a course titled “Introduction to personal Branding” authorized by University of Virginia and offered through Coursera on 28/07/2020.

- xiii. Mr. Ch.Naveen Raju completed a course titled “Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading” authorized by Georgia Institute of Technology University and offered through Coursera on 28/07/2020.
- xiv. Mr. Ch.Naveen Raju completed a course titled “Mechanics of Materials II” authorized by Georgia Institute of Technology University and offered through Coursera on 28/07/2020.
- xv. Mr. Ch.Naveen Raju completed a course titled “material processing” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xvi. Mr. Ch.Naveen Raju completed a course titled “material processing” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xvii. Mr. D.Kiran Sai completed a course titled “Build a simple App in Android studio using JAVA” authorized by University and offered through Coursera on 29/07/2020.
- xviii. Mr. D.Kiran Sai completed a course titled “Image data augmentation with keras” authorized by University of Virginia and offered through Coursera on 29/07/2020.
- xix. Mr. D.Kiran Sai completed a course titled “Classify Radio Signals from space using KERAS” authorized by University of Virginia and offered through Coursera on 29/07/2020.
- xx. Mr. E.Uthpal Ramana Praneeth completed a course titled “AI for every one” authorized by deeplearning.AI University and offered through Coursera on 29/07/2020.
- xxi. Ms. M. HEMALATHA completed a course titled “MOM 2” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xxii. Ms. M. HEMALATHA completed a course titled “MOM 3” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xxiii. Mr. Sai kiran completed a course titled “Fundamentals of stress, strain and axial loading” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xxiv. Mr. Sai kiran completed a course titled “Thin-walled pressure vessels and torsion” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xxv. Mr. Sai kiran completed a course titled “Beam bending” authorized by Georgia Institute of Technology University and offered through Coursera on 29/07/2020.
- xxvi. Mr. B.Abhilash Datthu completed a course titled “Image data augmentation with keras” authorized by Rhymes University and offered through Coursera on 29/07/2020.
- xxvii. Mr. B.Abhilash Datthu completed a course titled “Build a simple app in Android studio with java” authorized by University of Virginia and offered through Coursera on 29/07/2020.
- xxviii. Mr. B.Abhilash Datthu completed a course titled “Web application security testing with OWASP ZAP” authorized by University of Virginia and offered through Coursera on 29/07/2020.
- xxix. Mr. B.Sai Kiran completed a course titled “Image Data Augmentation with Keras” authorized by Rhymes University and offered through Coursera on 29/07/2020.

- xxx. Mr. B.Sai Kiran completed a course titled “Generate Synthetic Images with DCGANs in Keras” authorized by Coursera Project Network University and offered through Coursera on 29/07/2020.
- xxxi. Mr. B.Sai Kiran completed a course titled “Classify Radio Signals from Space using Keras” authorized by Coursera Project Network University and offered through Coursera on 29/07/2020.
- xxxii. Mr. B.Sai Kiran completed a course titled “Build a Simple App in Android Studio with Java” authorized by Coursera Project Network University and offered through Coursera on 29/07/2020.
- xxxiii. Mr. A.Teja Sai Abhiram completed a course titled “Build a simple app in Android studio with java” authorized by University of Virginia and offered through Coursera on 30/07/2020.
- xxxiv. Mr. B.Lokesh completed a course titled “mechanics of materials-2” authorized by Georgia Institute of Technology University and offered through Coursera on 30/07/2020.
- xxxv. Mr. B.Lokesh completed a course titled “mechanics of materials-3” authorized by Georgia Institute of Technology University and offered through Coursera on 30/07/2020.
- xxxvi. Mr. B.Lokesh completed a course titled “Introduction basic of vibration” authorized by Korea Advanced Institute of Science and Technology University and offered through Coursera on 30/07/2020.
- xxxvii. Mr. Sk.Khwaja Vali completed a course titled “SAFETY AND UTILITY” authorized by Georgia Institute of Technology University and offered through Coursera on 30/07/2020.
- xxxviii. Mr. Sk.Khwaja Vali completed a course titled “ELECTRICAL POWER SYSTEMS” authorized by the University of New York and offered through Coursera on 30/07/2020.
- xxxix. Mr. Ch.Vijay Babu completed a course titled “AI for everyone” authorized by deeplearning.AI University and offered through Coursera on 01/08/2020.
- xl. Mr. T.Sivaji completed a course titled “Mechanics of Materails I: Fundamentals of Stree & Strain and Axial Loading” authorized by Georgia Institute of Technology University and offered through Coursera on 01/08/2020.
- xli. Mr. K.Dileep completed a course titled “AI for everyone” authorized by deeplearning.AI University and offered through Coursera on 03/08/2020.
- xlii. Mr. K.Sudheer completed a course titled “Mechanics of materials IV” authorized by Georgia Institute of Technology University and offered through Coursera on 08/08/2020.
- xliii. Mr. K.Dinesh completed a course titled “AWS fundamentals” authorized by Georgia Institute of Technology University and offered through Coursera on 26/08/2020.
- xliv. Mr. K.Dinesh completed a course titled “AWS:Building serverless applications” authorized by Georgia Institute of Technology University and offered through Coursera on 26/08/2020.
- xlv. Mr. B. SUNIL completed a course titled “Introduction to Engineering Mechanics” authorized by Georgia Institute of Technology University and offered through Coursera on 21/10/2020.

- xlvi. Mr. B. SUNIL completed a course titled “Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading” authorized by Georgia Institute of Technology University and offered through Coursera on 21/10/2020.
- xlvii. One Mechanical Engineering student got NPTEL certificate in Power Plant Engineering course.

10. Higher Education:

- i. Ch. Pruthvi Gautam of roll no. 15501A0316 joined in MS- Quality of Assurance Manufacturing and Management in Canestoga College , Doon Campus, Canada.
- ii. Nerusu Sai Ganesh of roll no. 15501A0363 joined in M.Tech– Fluid Mechanics and Heat Transfer in National Institute of Durgapur.
- iii. VINNAKOTA SAI GEETHIKA of roll no. 15501A0389 joined in M.Tech–Nanoscience and Technology in University of Hyderabad.
- iv. RAYAPATI NAGARJUNA of roll no. 16501A0382 joined in MBA in University of Delhi.

Students qualifying in state/ national/ international level examinations (eg: NET/ SET/SLET /GATE /GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

- i. V. Bala Satya Nagesh of roll no. 16505A0337, S.Asha of roll no. 16505A0326, Sudulakunti. Ravi Teja of roll no. 16505A0331, Nukala Venkateswara Rao of roll no. 16501A0371, Syed Valibabu of roll no. 17505A0326, K. Gopi Krishna of roll no. 16501A0335 have qualified in AP PGECET-2020 examination.
- ii. Talari Venkata Sai Kaartheek of roll no. 15501A0378 have qualified in AP ICET-2020 examination.
- iii. Daroga Vineeth Krishna of roll no. 16501A0320, V Sai Harsha Vardhan of roll no. 16501A03A4 have qualified in IELTS examination.
- iv. S.Sai Praveen of roll no. 16501A0392, B. Anil of roll no. 15501A0313 and B R Krishna Vamsi Chowdary Tammineedi of roll no. 15501A0381 have qualified in GRE examination.

11. Others

a. AICTE/DST//any other Projects granted:

- i. Project Titled: “Fabrication and characterization of bio Hybrid natural fiber reinforced composites using experimental and numerical methods”.

Faculty Name: Dr. P.Phani Prasanthi

Sanctioned authority: AICTE (RCI)

Amount: Rs. 11, 56,853

Duration: 3 Years

b. Alumni Interaction:

- i. Mr.K Rajesh, alumni of PVPSIT, working as Automation Engineer in Lead Automation Engineer Freudenberg Medical Los Angeles, Los angeles, California and he was interacted with IV B.Tech I sem Sec-2 students and guided in “**challenges in Mechanical engineering**” (opportunities in core branches).



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All UG Programmes are accredited by NBA under Tier - 1
Department of Mechanical Engineering
Organising
Alumni Webinar Sequence # 01
"MECHANICAL ENGINEERING CHALLENGES"



Resource Person:
Mr. Rajesh
Lead Automation Engineer
Freudenberg Medical
Los Angeles, California
PVPSIT Alumnus (ME.1999-03 Batch)
@10.30AM 21-08-2020 (Friday)
Registration link:
<https://forms.gle/eXfDK74HXhb5npkU8>

- ii. Mr. Sai Phani Ram, alumni of PVPSIT, working as Assistant System Engineer (Sales force Developer) in TCS, Adibatla, Unit-2, SEZ, Hyderabad and he was interacted with III B.Tech II sem Sec-2 students and given “Carrier orientation talk” (core with software skills).



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Department of Mechanical Engineering
Organising
Alumni Webinar Sequence # 02



Resource Person:
Mr. Sai Phani Ram
Currently working at TCS As
Assistant System Engineer
Adibatla Unit-2 SEZ Hyderabad
PVPSIT Alumnus (ME,2015-19 Batch)
@10.30AM 30-09-2020 (Wednesday)
Registration link:
<https://meet.google.com/smi-dxwm-tj>