



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in



Faculty Achievements

Academic year 2023-24

Recognition and Awards Received by Faculty Members:

1. Dr. NV Srinivasulu was honored with the Bangaru Telangana Award during the Telangana Dashabdi Utsavalu on July 11, 2023.
2. Dr. Kiran Kumar Amireddy received a Certificate of Excellence in Peer-Reviewing from the Journal of Applied Physical Science International on January 8, 2024.
3. Dr. Md Aleem Pasha was awarded for Best Oral Presentation by the Department of Chemical Engineering at BITS - Pilani, Hyderabad Campus, on February 17 and 18, 2024.
4. Dr. Kiran Kumar Amireddy was recognized with a Certificate of Excellence in Peer-Reviewing for his outstanding contribution to the quality of the book published by B P International on May 8, 2024.

Research publications by the Faculty:

1. K. G. Chandrashekhar, Shashishankar A, Depaa RA. B, G. Laxmaiah, Joseph Arockiam A, Padmanabhan R. G, Ram Kumar P, Kirubakaran D, and B. Ramesh published a paper titled "Load-bearing characteristics of a hybrid Si₃N₄-epoxy composite" in Biomass Conversion and Biorefinery on 15th July 2023. The paper is indexed in SCIE and Scopus.
2. R. Meenakshi Reddy, VP Venkataramanmurthy, G. Laxmaiah, Karimulla Syed, Yeshwant M. Sonkhaskar, P. Sivasubramanian published an article titled "Evaluation of cryogenic cooling in CNC machining of martensitic stainless steel AISI 440C" in Materials Today: Proceedings on 22nd July 2023. It is indexed in Scopus.
3. Ch. Indira Priyadarsini, P. Anjani Devi, R. P. Chowdary, and R. Navaneetha published their study "Analysis of cooling system parameters by solar concentrating panel with Fresnel lens" in Research Highlights in Science and Technology on 7th August 2023.
4. Venkata Sushma Chinta, Sowmya Kethi Reddi, and Nagini Yarramsetty published "Optimal feature selection on Serial Cascaded deep learning for predictive maintenance system in the automotive industry with fused optimization algorithm" in Advanced Engineering Informatics on 24th July 2023. This article is indexed in SCIE and Scopus.
5. Karunakaran Devarajan, Venkatachalapathy Vellaiyappan Sangli Karuppanan, Thirumalaikumarasamy Duraisamy, Srinivasa Kumar Bhavirisetty, Gundagani Laxmaiah, Pankaj Kumar Chauhan, Abdul Razak, Mohammad Asif, and Emanoil Linul published "Experimental Investigation and Characterization of Friction Stir Spot-Welded Dissimilar Aluminum Copper Metallic Lap Joints" in ACS Omega on 21st September 2023. It is indexed in SCIE and Scopus.
6. Swetha Ramadugu, Siva Rama Krishna Ledella, John Nitin Joshee Gaduturi, Ravinder Reddy Pinninti, Venkatesh Sriram, and Kuldeep K. Saxena published a paper on "Environmental life cycle assessment of an automobile component fabricated by additive and conventional manufacturing" in International Journal on Interactive Design and Manufacturing on 3rd October 2023. This paper is indexed in ESCI and Scopus.
7. P. Anjani Devi, P. Ravinder Reddy, and K. Eswara Prasad published their research titled "Hardness and impact testing of glass epoxy nanoclay composites" in Materials Today: Proceedings on 5th October 2023. The article is indexed in Scopus.
8. B Murali, K Karthik, Sarange Shreepad Marotrao, G Laxmaiah, Ajay Singh Yadav, I S N V R Prasanth, and Mohamed Abbas published "Mechanical and dynamic mechanical properties of hybrid Kevlar/natural fiber composites" in Materials Research Express on 20th October 2023. This paper is indexed in SCIE and Scopus.
9. R. Shivashankar, K. Vetri Velmurugan, Kistan Andiyappan, D. Raja Ramesh, A. D. Urade, R. P. Chowdary, and Prashant Sunagar published "Investigating the wear resistance of Zn-Co-Ni alloy coatings on polymer substrates" in Journal of the Balkan Tribological Association in 2023. The paper is indexed in Scopus.
10. Mudasar Basha, Munuswamy Siva Kumar, Mangali Chinna Chinnaiah, Siew-Kei Lam, Thambipillai Srikanthan, Narambhatla Janardhan, Dodde Hari Krishna, and Sanjay Dubey published "A versatile approach to polygonal object avoidance in indoor environments with hardware schemes using an FPGA-based multi-robot" in Sensors on 28th November 2023. It is indexed in SCIE and Scopus.
11. Ashutosh Sahu, Ram Sajeevan Maurya, and Tapas Laha published a review article titled "Advances in Synthesis and Characterization of Aluminum-Based Amorphous Alloys" in Advanced Engineering Materials on 7th November 2023. This article is indexed in SCIE and Scopus.
12. Priyadarsini Morampudi, Venkata Ramana V. S. N., Prasad Chitrada, Sriram Vikas K., and Rahul R. published "Tribology and pitting corrosion behavior of Al6061 / nano-ZrB₂ metal matrix composites prepared via powder metallurgy process" in Chemical Data Collections on 4th September 2023. This paper is indexed in ESCI and Scopus.
13. K. Sri Ram Vikas, Rahul R., V. S. N. Venkata Ramana, G. Madhusudhan Reddy, and K. Srinivasa Rao published their study "Effect of heat treatments on tensile fracture behaviour of Ti-6Al-4V alloy friction welds" in Journal of The Institution of Engineers on 20th September 2023. The paper is indexed in Scopus.
14. Alias Paul, K T Thilagham, Jaya Christiyana K G, PVR Ravindra Reddy, Sathyamurthy Ravishankar, and Sampath Boopathi published "Multi-criteria optimization on friction stir welding of aluminum composite (AA5052-H32/B4C) using titanium nitride coated tool" in Engineering Research Express on 12th February 2024. This paper is indexed in ESCI and Scopus.

15. K. Hazeer Shabbeer Basha, S. Solomon Raj, S. Sivakumar, M. Padmarasan, G. Laxmaiah, and K. Bharath Raj published their research "Analysis of Voltage Source Inverter with Photovoltaic Renewable Energy Source for Improving Power Quality in Solar" in International Journal of Intelligent Systems and Applications in Engineering on 3rd January 2024. The paper is indexed in Scopus.
16. P. Anbumani, Atul Babbar, K. Arunprasath, Ashutosh Sahu, Vineet Kumar, and Lavish Kumar Singh published "Finite element modeling and analysis of crashworthiness performance of bioinspired thin-walled tapered tubular structures" in International Journal on Interactive Design and Manufacturing on 16th February 2024. This paper is indexed in ESCI and Scopus.
17. Ashutosh Sahu and Anil Kumar published a chapter on "Additive Manufacturing of Bulk Metallic Glasses" on 16th February 2024. The chapter is indexed in Scopus.
18. Syed Naveed Ahmed, P. Ravinder Reddy, and Sriram Venkatesh published "Thermal impact of axial Reynolds number on aircraft engine compressor disks" in Transactions of the Indian National Academy of Engineering on 26th April 2024.
19. B.V. Bahoria, A. Ranjith, G. Laxmaiah, S. Solomon Raj, Manas Ranjan Padhi, and Sivasubramanian Palanisamy published "Verification of the mechanical behavior of concrete with partial replacement of the fiber resulting from tire retreading" in Materials Today: Proceedings on 25th April 2024. It is indexed in Scopus.
20. R. P. Chowdary, A. Ruthvikdev, T. Punnam Chander, and R. Sai Kiran published "Performance analysis of solar flat plate collector at different radiations and wind speeds" in Journal of Emerging Technologies and Innovative Research in June 2024.
21. T.N. Aditya, P. Ravinder Reddy, and P. Ramesh Babu published "Development and characterization of polymer ceramic composite for biomedical application" in SSRG International Journal of Mechanical Engineering on 30th June 2024. This paper is indexed in Scopus.
22. P. Anjani Devi, P. Ravinder Reddy, and K. Eswara Prasad published "Effect of weight of nanoclay on tensile, flexure and toughness properties of glass epoxy composites" in Materials Today: Proceedings on 21st November 2023. The article is indexed in Scopus.
23. Venkata Sushma Chinta, Kiran Kumar Amireddy, P. Ravinder Reddy, and Koorapati Eshwar Prasad published "Fracture parameters of woven jute fibre reinforced axial flow fan blade material: an experimental investigation and FEA analysis" in Engineering Research Express on 15th December 2023. This paper is indexed in ESCI and Scopus.
24. Kiran Kumar Amireddy, S. Solomon Raj, Venkata Sushma Chinta, Ch. Indira Priyadarsini, and G. Laxmaiah published "Ultrasonic Evaluation of Paint Canisters" in E3S Web Conf., 430 (2023), 15th International Conference on Materials Processing and Characterization (ICMPC 2023) in October 2023.
25. A. B. Jadhav, G. Laxmaiah, S. S. Raj, and M. S. A. Ansari published "Design and Development of 5 DOF Bio-Inspired Robotic Arm" at the 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS) on 15th May 2024.
26. G. Laxmaiah, S. S. Raj, T. R. Kumar, and R. M. M. Shareef published "Experimental and Simulation analysis of Monitoring an Industrial process by Adaptive transfer Learning" at the 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS) on 15th May 2024.
27. S. K. Singh, S. S. Raj, M. S. A. Ansari, and G. Laxmaiah published "Blockchain and Machine Learning-Based Real-Time Analysis of Smart Manufacturing" at the 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS) on May 2024.
28. R. D. C. Rebekah, G. Laxmaiah, S. S. Raj, S. K. Singh, B. Hazela, and M. K. Verma published "AI-Based Data Augmentation Process Used to Find the Defect in Injection Molding" at the 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS).
29. R. Sheikh, G. Laxmaiah, S. Solomon Raj, and P. P. Singh published "Design and Development of PLC Based Robotic Arm to Mix the Different Colours for Painting" at the 2023 International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS) in October 2023.

Faculty as Resource Persons:

1. Dr. P. Ravinder Reddy delivered a talk on AI in Robotics at the Faculty Development Program on "Multi-Disciplinary Research Trends in AI and Data Science" on January 31, 2024, at the AI & Data Science Department at CBIT.
2. Dr. P. Ravinder Reddy presented a talk on Patent and Patent Filing Procedures at the Faculty Development Program on Research Methodologies and Publication Strategies on February 16, 2024, at the Department of SMS, CBIT, Hyderabad.
3. Smt. Venkata Sushma Chinta conducted a Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14 at CBIT.
4. Dr. N.V. Srinivasulu served as an expert lecturer during the five-day Faculty Development Program on Teaching and Learning Strategies in Engineering Education, leading sessions 1 and 2 on November 24, 2023, at GNITS, Hyderabad.
5. Dr. N.V. Srinivasulu was the Chief Guest for the Valedictory Session on November 24, 2023, at 4 PM, at GNITS, Hyderabad.
6. Dr. N.V. Srinivasulu delivered a guest lecture on awareness of Intellectual Property Rights (IPR) during a one-week online Faculty Development Program on "Exploring the Significance of Indian Knowledge Systems (IKS) in the Context of the National Educational Policy (NEP) 2020 - The Role of Higher Educational Institutions (HEI)" from January 29 to February 2 at CBIT.
7. Dr. N.V. Srinivasulu conducted a guest lecture at a Workshop on Entrepreneurship Skill, Attitude, and Behaviour Development as part of an IIC activity on February 17, 2024, at CBIT.
8. Dr. N.V. Srinivasulu participated in a one-week online Faculty Development Program on "Quality Education through Outcome-Based Education (OBE)" from January 22 to 27, 2024, at CBIT.
9. Dr. Kiran Kumar Amireddy conducted a Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14 at CBIT.
10. Dr. Kiran Kumar Amireddy led a Winter Internship Programme on Innovative Projects Using Python from November 13 to December 8, 2023, at CBIT.

11. Dr. Kiran Kumar Amireddy served as a guest speaker for a one-day workshop on "Robotics with Python" on October 7, 2023, at Sri Sai Institute of Technology and Science, University College, Rayachoti, Andhra Pradesh.
12. Dr. Kiran Kumar Amireddy conducted a one-day workshop on "OpenCV - Computer Vision using Python" on November 28, 2023, at VKR Engineering College, Gudivada, Andhra Pradesh, India.
13. Dr. Kiran Kumar Amireddy was a trainer for the Robotics Program as part of ExcelR's Everyday Learning (EDL) initiative in collaboration with VIT Bhopal from September 7 to September 11, 2023.
14. Dr. P. Prabhakar Reddy participated in the Grassroots Innovation Programme on February 10, 2024, at CBIT.
15. Dr. B.V.S. Rao contributed to the Grassroots Innovation Programme on February 10, 2024, at CBIT.
16. Dr. Indira Priyadarsini was involved in the Grassroots Innovation Programme on February 10, 2024, at CBIT.
17. Smt. Anjani Devi participated in the Grassroots Innovation Programme on February 10, 2024, at CBIT.
18. Dr. Ch. V. Sushma contributed to the Grassroots Innovation Programme on February 10, 2024, at CBIT.
19. Mrs. D.S. Madhuri was involved in the Grassroots Innovation Programme on February 10, 2024, at CBIT.
20. Mrs. Ipsita Mohanty participated in the Grassroots Innovation Programme on February 10, 2024, at CBIT.
21. Dr. Kiran Kumar Amireddy facilitated a Short-Term Training Program (STTP) on "Electrical Safety - Challenges and Solutions" on June 26, 2024, at the EEE Department, CBIT, Hyderabad.
22. Dr. Kiran Kumar Amireddy led a one-week Faculty Development Program/Management Development Program/Skill Development on 5S, Kaizen, Lean, and TQM on February 19, 2024, at the National Institute of Micro, Small and Medium Enterprises and CBIT.
23. Dr. Kiran Kumar Amireddy participated in the 1st EAI International Conference on Emerging Technologies in Engineering and Management Sciences (ICETEMS-2023) held from November 24 to 25, 2023, at Vardhaman College of Engineering, Hyderabad.

Faculty Participation in International/National Conferences and Advisory Roles

1. Dr. N.V. Srinivasulu participated in the International Conference on Robotics and Cyber Physical Machines (ICRCPM) 2023, organized by CBIT, held on April 28 and 29, 2023, at CBIT.
2. Dr. N.V. Srinivasulu chaired a session at the International Conference on Emerging Technologies in Engineering (ICETE-2023) at Osmania University, Hyderabad, on April 28, 2023.
3. Dr. N.V. Srinivasulu served as a reviewer for the International Conference on Emerging Technologies in Engineering (ICETE-23) from April 3 to 6, 2023, at CBIT.
4. Dr. P.V.R. Ravindra Reddy reviewed a paper for the Journal of The Institution of Engineers (India): Series C (IEIC) in July 2023.
5. Dr. Venkata Sushma Chinta presented research on the "Investigation of Flexural Properties of Jute Fibre Reinforced Hybrid Composite Material for Axial Flow Fan Blades" at the Second International Conference on Modern Materials for Engineering and Research (ICMMER 2023) held by the Department of Mechanical Engineering at Sengunthar Engineering College (Autonomous), Tiruchengode, Tamil Nadu, India, on October 26-27, 2023.
6. Dr. Venkata Sushma Chinta reviewed a paper for the Journal of Advanced Engineering Informatics, a Q1 indexed journal (Elsevier), in December 2023.
7. Dr. Md. Aleem Pasha served as a subject expert in the Board of Studies (BOS) for the Mechanical Engineering Department at JBREC on August 19, 2023.
8. Dr. Md. Aleem Pasha acted as a reviewer for the International Journal of Surface Science and Engineering (IJSURFSE) from Inder Science Publishers on November 18, 2023, conducted online.
9. Dr. Kiran Kumar Amireddy served as a reviewer for the International Journal of Applied Physical Science International on January 8, 2024, conducted online.
10. Dr. Kiran Kumar Amireddy was a jury member for the selection of faculty members in the Department of Mechanical Engineering at Vardhman College of Engineering, Hyderabad, on October 16, 2023.
11. Dr. Kiran Kumar Amireddy served as an advisory member for staff selection in the Department of Mechanical Engineering at Vardhman College of Engineering on October 14, 2023.
12. Dr. Kiran Kumar Amireddy acted as a session chair at the 1st EAI International Conference on Emerging Technologies in Engineering and Management Sciences (ICETEMS-2023) held from November 24 to 25, 2023.
13. Dr. Kiran Kumar Amireddy presented research on the "Investigation of Flexural Properties of Jute Fibre Reinforced Hybrid Composite Material for Axial Flow Fan Blades" at the Second International Conference on Modern Materials for Engineering and Research (ICMMER 2023) at Sengunthar Engineering College (Autonomous), Tiruchengode, Tamil Nadu, India, on October 26-27, 2023.
14. Dr. Kiran Kumar Amireddy served as a reviewer for the International Journal of Applied Physical Science International on January 8, 2024, conducted online.
15. Dr. L. Suresh Kumar presented a paper online from December 13 to 14, 2023.
16. Dr. Venkata Sushma Chinta served as a reviewer for Advanced Engineering Informatics (Elsevier) on December 20, 2023, conducted online.
17. Dr. Venkata Sushma Chinta was appointed as a member of the editorial board for Mechanical Engineering and Innovation (CEMEI) on January 24, 2024.

Events Organized by the Faculty:

1. A webinar titled "Low-Cost Automation" was conducted by Mr. Swamy Shiva Prasad, Product Engineer at IGUS India Pvt Limited, on the Microsoft Teams platform from 2:00 PM to 3:00 PM on July 4, 2023.
2. A Short-Term Training Program (STTP) on IoT IIoT and Applications was organized in association with LETFLIX Technologies from July 10 to July 15, 2023.

3. The workshop "World Entrepreneurship Day - Prototyping, Process Design & Development" was held on August 23, 2023, presented by Dr. U.K. Choudhury.
4. A guest lecture on Community Engagement and the Appreciation of Rural Society took place on September 26, 2023.
5. An adjunct professor lecture titled "Rocket and Missile Technology: From Space Exploration to Defence" was delivered by Dr. R.K. Sharma, Adjunct Professor of Mechanical Engineering, on October 12, 2023.
6. A workshop on MATLAB Training Program focusing on Hardware Integration using MATLAB and Simulink was conducted on October 13, 2023.
7. A Winter Internship Programme on Innovative Projects using Python was organized from November 13 to December 8, 2023.
8. The ATAL Faculty Development Program (FDP) on IoT and Sensor Design for Industry 5.0 is scheduled from December 18 to December 23, 2023.
9. A Grassroots Innovation Program for diploma holders will be conducted as a training program on January 25, 2024.
10. An FDP on the Application of AI and Machine Learning Using Pattern Recognition and Intellectual Property Rights is set for January 29 to February 2, 2024.
11. A training program for non-teaching staff focusing on various labs will take place from January 29 to February 2, 2024.
12. A workshop on Drones is scheduled for February 15, 2024.
13. The Teks Academy Event will involve the selection process of students for training and placement on February 17, 2024.
14. A Faculty Development Program/Management Development Program (FDP/MDP) on Managing Business Incubators is planned from February 19 to February 23, 2024.
15. A training program on 5S, Kaizen, Lean, and Total Quality Management (TQM) is set for February 19 to February 23, 2024.
16. A guest lecture on Composite Materials used in Pressure Vessels will be delivered by Sri G. Suresh Babu, Scientist E at ACL, DRDO, on February 26, 2024.
17. A guest lecture on Building Acoustics Measurements will be presented by Mr. M. Kiran Kumar and Mr. Anant Sai Bageliker, Sales Engineers from Structural Solutions Pvt Ltd., on February 26, 2024.
18. A guest lecture titled "Technologies & Futuristic Road Map in Aerospace Systems" will be conducted by Mr. S. Shankari, Scientist and Project Director at ASL-Hyderabad, on February 23, 2024.
19. An adjunct professor lecture on "Propulsion Systems and Rocket Engines" will be given by Dr. R.K. Sharma, Adjunct Professor of Mechanical Engineering, on March 15, 2024.
20. A workshop on R&AC Systems for Developing Industry Perspective is scheduled for April 20, 2024.
21. A guest lecture on Career Guidance for Mechanical Engineering students will take place on April 29, 2024.

NPTEL/MOOC Courses Attended by Faculty:

1. Ms. K. N. V. Sreedevi completed an NPTEL course on Research Methodology from August to October 2023.
2. Ms. Yasoda Sreeram Kalluri enrolled in the Coursera course on Fundamentals of Reinforcement Learning in December 2023.
3. Dr. Venkata Sushma Chinta participated in a course on Programming, Data Structures, and Algorithms using Python from January to March 2024.
4. Dr. R.P. Choudhary engaged in a 12-week Faculty Development Programme on "Renewable Energy Engineering: Solar, Wind, and Biomass Energy Systems" from January to April 2024.

FDPs/Training/STTPs/Workshops Participated by Faculty:

1. Dr. P. V. R. Ravindra Reddy participated in the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
2. Dr. N. V. Srinivasulu completed the online course "Basics of IPR" from February 20 to February 28, 2023, organized by TURNIP.
3. Dr. N. V. Srinivasulu attended a one-week online FDP on "Exploring the Significance of Indian Knowledge Systems (IKS) in the Context of National Educational Policy (NEP) 2020 - The Role of Higher Educational Institutions (HEI)" from February 5 to February 10, 2024, at CBIT.
4. Dr. N. V. Srinivasulu participated in the program "Application of AI/ML Using Pattern Recognition & Intellectual Property Rights" from January 29 to February 2, 2024, at CBIT.
5. Dr. G. Laxmaiah attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
6. Dr. R. P. Chowdary also participated in the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
7. Dr. R. P. Chowdary attended a one-week online faculty development program on "Application of AI/ML using Pattern Recognition and Intellectual Property Rights" from January 29 to February 2, 2024, organized by the Department of ECE and MED of CBIT.
8. Dr. R. P. Chowdary participated in a five-day internal virtual FDP on Global Conversations in Mechanical Engineering: Bridging Innovation and Sustainability from February 19 to February 23, 2024, at the Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, India.
9. Dr. K. Kishor attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
10. Dr. K. Kishor participated in a one-week virtual international FDP on "Fundamentals and Advances of Magnetic Materials (FAMM-2024)" from May 20 to May 24, 2024, at CBIT.
11. Dr. Md. Aleem Pasha completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on Conventional Vehicles Sustainability and Future of Electrical Vehicles from October 30 to November 4, 2023, at Methodist College of Engineering & Technology.

12. Dr. Md. Aleem Pasha also participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Program on IoT and Sensor Design for Industry 5.0 from December 18 to December 23, 2023, at Chaitanya Bharathi Institute of Technology.
13. Dr. Md. Aleem Pasha completed a five-day online International Faculty Development Program on NLP and ChatGPT Applications from August 14 to August 19, 2023, organized by SECAB Institute of Engineering & Technology in collaboration with ExcelR Edtech Pvt. Ltd.
14. Dr. Md. Aleem Pasha attended a one-week National Level Faculty Development Programme on “Essential Mathematics for Data Science and Machine Learning” from February 5 to February 9, 2024, at the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous).
15. Dr. Md. Aleem Pasha participated in a one-week National Level Faculty Development Program on “Multi-Disciplinary Research Trends in Artificial Intelligence and Data Science” from January 29 to February 2, 2024, at the Department of Artificial Intelligence and Data Science, Chaitanya Bharathi Institute of Technology (Autonomous).
16. Dr. Md. Aleem Pasha completed a one-week online FDP on “Research Methodologies and Publication Strategies” from February 12 to February 16, 2024, at the School of Management Studies, Chaitanya Bharathi Institute of Technology (Autonomous).
17. Dr. Md. Aleem Pasha participated in a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at Chaitanya Bharathi Institute of Technology (Autonomous), in association with the IEEE Education Society Student Branch Chapter CBIT.
18. Dr. L. Suresh Kumar attended the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
19. Dr. L. Suresh Kumar participated in the program “Recent Trends in Data Science for Engineering” from June 26 to June 30, 2023, at CBIT Hyderabad.
20. Dr. L. Suresh Kumar attended a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
21. Dr. L. Suresh Kumar participated in the FDP on IoT and Sensor Design for Industry 5.0 (ATAL) from December 18 to December 23, 2023, at CBIT.
22. N. Venkateswara Rao completed the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
23. N. Venkateswara Rao participated in the AICTE & ATAL FDP on "IoT and Sensor Design for Industry 5.0" from December 18 to December 23, 2023, at CBIT Hyderabad.
24. Dr. Y. Nagini attended the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
25. Dr. Y. Nagini participated in a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
26. Sr. Y. Nagini completed a one-week online FDP on “Exploring the Significance of Indian Knowledge Systems (IKS) in the Context of National Educational Policy (NEP) 2020 - The Role of Higher Educational Institutions (HEI)” from February 5 to February 10, 2024, online.
27. Sr. Y. Nagini attended the program “Application of AI/ML Using Pattern Recognition & Intellectual Property Rights” from January 29 to February 2, 2024, online.
28. Ch. Indira Priyadarsini participated in a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
29. Dr. P. Rama Lakshmi attended a five-day National Workshop (Virtual Mode) on 3D Printing: State-of-Art and Future Prospects (3DP-2023) from July 15 to July 19, 2023, at the Department of Mechanical Engineering, National Institute of Technology Rourkela, Odisha.
30. Dr. Pallela Rama Lakshmi participated in a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
31. Dr. P. Rama Lakshmi completed a one-week online FDP on “Exploring the Significance of Indian Knowledge Systems (IKS) in the Context of National Educational Policy (NEP) 2020 - The Role of Higher Educational Institutions (HEI)” from February 5 to February 10, 2024, online at CBIT.
32. Dr. B. V. S. Rao attended a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
33. Dr. N. Janardhan participated in a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
34. Dr. P. Kiran Kumar attended the FDP on “National Education Policy 2020 - Challenges in Implementation in Higher Education” from March 18 to March 23, 2024, at CBIT.
35. Dr. P. Kiran Kumar completed the program “Application of AI/ML Using Pattern Recognition & Intellectual Property Rights” from January 29 to February 2, 2024, at CBIT.
36. Dr. S. Narasimha Kumar attended the FDP on “National Education Policy 2020 - Challenges in Implementation in Higher Education” from March 18 to March 23, 2024, at CBIT.
37. Dr. S. Narasimha Kumar participated in a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
38. Dr. P. Anjani Devi completed a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.
39. Mrs. V. Sandhya attended the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at Chaitanya Bharathi Institute of Technology.
40. Mrs. V. Sandhya participated in the AICTE & ATAL FDP on "IoT and Sensor Design for Industry 5.0" from December 18 to December 23, 2023, at Chaitanya Bharathi Institute of Technology.
41. Mrs. V. Sandhya completed a one-week online FDP on “Quality Education through OBE” from January 22 to January 27, 2024, at CBIT.

42. Mr. V. Jaipal Reddy participated in the AICTE & ATAL FDP on "Conventional Vehicles Sustainability and Future of Electrical Vehicles" from October 30 to November 4, 2023, at MCET, Hyderabad.
43. Mr. V. Jaipal Reddy also attended the AICTE & ATAL FDP on "IoT and Sensor Design for Industry 5.0" from December 18 to December 23, 2023, at CBIT Hyderabad.
44. Mr. V. Jaipal Reddy completed the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
45. Mr. V. Jaipal Reddy participated in a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
46. Dr. Venkata Sushma Chinta attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
47. Dr. Venkata Sushma Chinta participated in the program "Application of AI/ML Using Pattern Recognition & Intellectual Property Rights" from January 29 to February 2, 2024, at CBIT.
48. Dr. Venkata Sushma Chinta completed an eight-week NPTEL course on Programming, Data Structures, and Algorithms using Python from January to March 2024, conducted by IIT Madras.
49. Dr. Venkata Sushma Chinta engaged in Industrial Training on Machine Learning and Artificial Intelligence from February 12 to March 22, 2024 (6 weeks), organized by EduLakes Solutions LLP in association with the National Service Scheme (NSS) - IIT Roorkee.
50. Mr. T. N. Aditya participated in the AICTE & ATAL FDP on "IoT and Sensor Design for Industry 5.0" from December 18 to December 23, 2023, at Chaitanya Bharathi Institute of Technology.
51. Mr. K. Gurubrahmam attended a three-day in-house MATLAB Training Programme from July 3 to July 5, 2023, at CBIT Hyderabad.
52. Mr. D. Ravi participated in a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
53. Mr. D. Ravi attended the program "Empowering Educators: AI Tools for Engineering and Technology (AITET-2024)" organized by the Department of Chemical Engineering, CBIT, from January 29 to February 2, 2024.
54. Mr. D. Ravi also participated in "Research Methodologies and Publication Strategies," organized by the School of Management Studies, CBIT, from February 12 to February 16, 2024.
55. Dr. Ashutosh Sahu attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
56. Mr. P. Surendar Reddy completed a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
57. Dr. Ashutosh Sahu participated in a one-week FDP on Universal Human Values from December 18 to December 22, 2023, organized by AICTE.
58. Dr. Ashutosh Sahu attended a five-day online FDP on Advanced Manufacturing & Materials Processing from September 25 to September 29, 2023, organized by Annant Gyan.
59. Dr. Kiran Kumar Amireddy completed a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
60. Dr. Kiran Kumar Amireddy participated in the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
61. Dr. Kiran Kumar Amireddy engaged in Industrial Training on Machine Learning and Artificial Intelligence from February 12 to March 22, 2024 (6 weeks), organized by EduLakes Solutions LLP in association with the National Service Scheme (NSS) - IIT Roorkee.
62. Dr. Y. S. Kannan attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
63. Mrs. D. S. Madhuri participated in the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
64. Mrs. D. S. Madhuri completed a three-day in-house MATLAB Training Programme from July 3 to July 5, 2023, at CBIT Hyderabad.
65. Mrs. D. S. Madhuri attended the Training Workshop on "Design Thinking Tools for Problem Definition & Project Ideation" on January 30, 2024, organized by CII-Telangana in collaboration with Vishnu Educational Development and Innovation Center (Vedic) at Vasavi College of Engineering.
66. Mrs. D. S. Madhuri participated in the program "Application of AI/ML Using Pattern Recognition & Intellectual Property Rights" from January 29 to February 2, 2024, at CBIT.
67. Mrs. Ipsita Mohanty attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
68. Mrs. Ipsita Mohanty participated in the Summer Internship Programme on Python, Image Processing using OpenCV, and Innovative Projects from June 19 to July 14, 2023, at CBIT Hyderabad.
69. Mrs. Ipsita Mohanty completed the program "Application of AI/ML Using Pattern Recognition & Intellectual Property Rights" from January 29 to February 2, 2024, online.
70. Mrs. K. N. V. Sreedevi attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024.
71. Mrs. K. N. V. Sreedevi participated in an online FDP on current science and development in nanobiotechnology from January 29 to February 2, 2024.
72. Mr. Chintireddy Sharath Reddy attended a Short Term Training Program on Recent Trends in Additive Manufacturing Technologies from July 28 to August 1, 2023, at the National Centre for Additive Manufacturing, Hyderabad.
73. Mr. Chintireddy Sharath Reddy completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on Metal Additive Manufacturing from December 25 to December 30, 2023, at The ICFAI Foundation for Higher Education.

74. Mr. Chintireddy Sharath Reddy participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Program on "IoT and Sensor Design for Industry 5.0" from December 18 to December 23, 2023, at Chaitanya Bharathi Institute of Technology.
75. Mr. Chintireddy Sharath Reddy attended a one-week online FDP on "Quality Education through OBE" from January 22 to January 27, 2024, at CBIT.
76. Ms. Navneeta completed a three-day in-house MATLAB Training Programme from July 3 to July 5, 2023, at CBIT Hyderabad.

Mechanical Engineering Department – Research projects

S. No.	Name of the Project (File no.)	Name of the Principal Investigator (PI) / Co-Investigator	Name of the funding agency	Date of sanction	Term of the project	Total Grant-in-aid (Rs.)
1	Sophisticated Analytical & Technical Help Institutes (SATHI)	CBIT	DST		2023-27	6000
2	Design and Development of low cost LVAD	Dr. P. Ravinder Reddy	MSME		2023-24	15
3	Development of image matching techniques for Camouflaging of various terrains/assets of sites	Dr. N. Janardhan (Co-Investigator)	ASL, DRDO		2023-2026	9.5
4	Digital twin based solutions for improving reliability and efficiency of multistage wind turbine gear boxes	Dr Inturi Vamsi (Co-PI)	DST-SERB		2023-26	28.08
5	Stress analysis of Casting 12T15	Dr. Ch.Venkata Sushma Dr. P. Kiran Kumar	UCONPT STRUCTURAL SYSTEM PVT LTD		05-04-2024 to 30-06-2024	60,000 + GST
6	Ultrasonic Gas Flow Meter (Design and CFD Simulation)	Dr Indira Priyadarshini	Skylark Smartmeters Pvt. Ltd., Hyderabad		2022-23	1,84,000
7	Image Analysis and Website Development	Dr. Amireddy Kiran Kumar Mrs Ch.Venkata Sushma	Bold Knight by BNK Production services Pvt. Ltd., Hyderabad		2023-23	1,18,000
8	Modelling and analysis of 42U CKD type rack	Dr. G. Laxmaiah Dr. A. Kiran Kumar	BRAVLD Engineering Pvt. Ltd		March 2023	18,880
9	Thermo-structural studies on RCC structures for impact analysis	Dr. N. Janardhan	ASL-DRDO	*approved		950000/-
10	Development of ceramic coated diesel engine fuelled with CNG and biodiesel blended (9-242/IDC/MODROB/Policy-1)	Dr. M.V.S. Murali Krishna	AICTE-MODROB	20.07.2020	2020-22	947325/-
11	Experimental and numerical investigations on friction stir welding of Aluminium and Magnesium alloys (MRP-6749/16 GEN)	Dr. P. Ravinder Reddy	UGC-SERO	15.03.2018	2018-20	270000/-
12	Design and development of components of artificial heart	Dr. P. Ravinder Reddy	CBIT	16.03.2017	2016-21	5000000/-
13	Implementation of composite materials wind blades in wind mill (WOS-A-ET-1092/2015)	Mrs. Ramayee L & Dr. P. Ravinder Reddy	DST	26.10.2015	2015-19	2779000/-

Mechanical Engineering Department – List of Patents

S. No.	Title of the invention	Name of inventors	Application No.	Status	Publication Date	Date of filing
1	An apparatus and method for joining of weldable or non-weldable Materials	Dr. P. Ravinder Reddy & TATA Technologies PTE Ltd.	1550/MUM/2013	Granted (27.11.2020)	20.03.2015	29.04.2013
2	Tribological behavior of hybrid fiber reinforced friction material	Dr. P. Ravinder Reddy, K B Jagadeeshgouda & Dr. K. Eshwaraprasad	201641028876	Published	02.09.2016	24.08.2016
3	Flame-retardant poultry-feather-fiber-non-woven-sheet and process for the making same	Dr. P. Ravinder Reddy & K B Jagadeeshgouda	201641032709	Published	07.10.2016	26.09.2016
4	A composite material extrusion and method of manufacturing thereof	Dr. P. Ravinder Reddy, Dr. Ishtiaq Ahmed Khan, Mr. Aleem Pasha & Mr. P.V. Kaulgud	201741015659	Granted	12.05.2017	03.05.2017
5	Blood pump impeller (*design patent)	Dr. P. Ravinder Reddy & T Rugveda	305590	Published	24.12.2021	06.01.2018
6	Magneto blood pump (*design patent)	Dr. P. Ravinder Reddy & T Rugveda	306263	Published	08.04.2022	14.05.2018
7	CNG/Natural gas kit design for two wheelers	Dr. Rakesh Kumar Yadav, Dr. Arti Vaish, Mr. Amardeep, Mr. Dushyant Mishra, Dr. S. Narasimha Kumar & Dr. B. Subbaratnam	202011030786	Published	28.08.2020	20.07.2020
8	Machine learning based ball throwing machine	Dr. G. Sailaja, Dr. B.V.S. Rao, Dr. Raju Muthyala, Dr. G. Prasanna Kumar, Dr. Akash Kumar Bhoi, Dr. Pradeep Kumar Mallick, Dr. Ranjit Panigrahi, Dr. Priya Brata Bhoi, Arshad Mohammed & Dr. Mahaboob Shaik,	202041040702	Published	01.10.2020	21.09.2020
9	Design and development of two-wheeler mud guard using glass and jute	Dr. A. Raveendra, Dr. P. Badari Narayana, Dr. S. Narasimha Kumar & Mr. P. Govinda Reddy	202141008703	Published	12.03.2021	02.03.2021
10	Deep learning-based adaptive windmill compensation system and method thereof	Sailaja G, Dr. B.V.S.Rao, Dr. Prasanna Kumar, Mohd Hasham Ali, Satti Satheeswara Reddy, NBV Lakshmi Kumari & Arshad Mohammed	202141042314	Published	01.10.2021	18.09.2021
11	Control on pollution levels of petrol engine with low-cost catalytic converter	Dr. M.V.S. Murali Krishna, Mrs. Ipsita Mohanty, Dr. Ch. Indira Priyadarshini & Dr. S. Narasimha Kumar	202141044968	Published	05.11.2021	04.10.2021
12	Control of exhaust emissions of auto rickshaw engine run with diesel fuel	Dr. M.V.S. Murali Krishna, Dr. T. Ratna Reddy, Dr. K. Kishor & Dr. Y. Nagini	202141044969	Published	05.11.2021	04.10.2021
13	Insulated partially adiabatic diesel engine operated with methanol and vegetable oil	CBIT (A)	202141044970	Published	05.11.2021	04.10.2021
14	Smart blind stick (*design patent)	Mr. Narasimha Kulkarni, Dr. Rahul, Mr. Nitin Kamitkar, Mr. Satish Kumar & Mr. L. Ranganath	352891-001	Published	14.01.2022	10.11.2021
15	Wobbling free magnetic coupled body-fluid pumping apparatus	Dr. P. Ravinder Reddy & T Rugveda	202141061650	Published	21.01.2022	30.12.2021
16	Wind turbine duct having exit fold and shallow slots	L. Ramayee, Dr. P. Ravinder Reddy & Dr. K. Supradeepan	202241004270	Published	Published - 04.02.2022	25.01.2022
17	Development of auto pilot delivery drone an unmanned aerial vehicle	Dr. L Suresh Kumar, Dr. Rahul, Mrs. Ch. V. Sushma, Mr. P. Surender Reddy, Mr. D. Ravi, Dr Y.S. Kannan, Dr. B. Veera Jyothi, Mrs. D.S. Madhuri & Mr. Narasimha Kulkarni	202241023144	Published	06.05.2022	20.04.2022
18	Control of Aldehydes in medium grade insulated Diesel engine with Inexpensive catalytic converter	Dr. M.V.S. Murali Krishna, Dr. T. Ratna reddy, Dr R.P. Chowdary &	202241039528	Published	06.07.2022	15.07.2022

		Dr. V.V. R. Seshagiri Rao				
19	Diesel engine with different levels of Insulation for controlling pollution levels	Dr. M.V.S.Murali Krishna Dr. R.P.Chowdary Dr. V.V.R.Seshagiri Rao & Dr. N.Janardhanan	202241038961	Granted	06.07.2022	15.07.2022
20	Natural bamboo fiber composites with enhanced plastic plate	Dr. Ch. Indira Priyadarshini Mr. K. Gurubrahmam P. Anjani Devi T.N. Aditya Dr. Md. Aleem Pasha & Mr. A. Chandrakanth	202241050477	Published	04.09.2022	16.09.2022
21	Method and system for detection of delamination in a layered structure	Dr A Kiran Kumar Ammireddy, Ms. Venkata Sushma Chinta, Dr P Ravinder Reddy, Dr S Solomon Raj, Mr.P Radha Krishna Prasad	202241067170A	published	22.11.2022	23.12.2022
22	Robotic manipulator for pick and place applications	Chinta Venakata Sushma, Palla Nishant Bhanu, Shaik Chand Pasha, Amireddy Kiran Kumar, Pinninti Ravinder Reddy, Sara Solomon Raj	202241067534	published	02.12.2022	24.11.2022
23	Control of pollutant levels of insulated diesel engine operated with CNG and ethanol	CBIT, M.V.S. MuraliKrishna, P.V.R.Ravindra Reddy, S. Narasimha Kumar and Y. S. Kannan,	202241038958	Granted	06.07.2022	15.07.2022
24	Control of pollutant levels of insulated diesel engine operated with CNG and carbureted methanol	M.V.S.MuraliKrishna, P.V.R.Ravindra Reddy, S. Narasimha Kumar and Y. S. Kannan	202241038960	Published	06.07.2022	22.07.2022
25	Kids friendly saline intravenous	Narasimha Kulkarni, Rahul, P. Surendar Reddy, L. Suresh Kumar, Y. S. Kannan	362555-001	Granted	14.04.2022	23.02.2023
26	Control Of Aldehydes In High Grade Insulated Diesel Engine With Low Cost Catalytic Converter	M.V.S.Murali Krishna, K. Kishore, Y. Nagini, N. Janardhan	202241039527	Published	09.07.2022	15.07.2022
27	High Degree Insulated Engine Having Optimized Air Gap Thickness Run With Alternative Fuels	M. V. S. Murali Krishna, Ipsita Mohanty, D.S. Madhuri, K.N.V. Sreedevi	202241039529 A	Published	09.07.2022	15.07.2022
28	Spark Ignition Engine With Copper Coated Piston, Copper Coated Liner And Copper Coated Cylinder Head	M.V.S.MuraliKrishna, K. Kishore, N. Janardhan, K.N.V. Sreedevi	202241039530 A	Published	09.07.2022	15.07.2022
29	Enhancement of transfer of heat in a corrugated heat exchanger	M V S Murali Krishna, N V Rao, B. Sreedhara Rao	202241038959 A	Granted	23.01.2023	06.07.2022
30	Insulated diesel engine fueled with carbureted ethanol and waste plastic oil to reduce pollution levels	M V S Murali Krishna, T Ratna Reddy, K Kishor, S Narasimha Kumar, N V Rao	202241038957 A	Published	22.07.2022	06.07.2022
31	Helmet	Dr. Rahul, Dr. Y. S. Kannan, D. Ravi, P. Surendar Reddy, Dr. L. Suresh Kumar, Dr. Ranjit J. Singh	390742-001	Published	12.10.2023	20.07.2023
32	Multi-Functional Agricultural Robot	Dr. Y. S. Kannan, D. Ravi, P. Surendar Reddy, Dr. Rahul, Dr. B. Veera Jyothi, Dr. L. Suresh Kumar, Mukund Balraj Vishwanath	394340-001	Published	08.11.2023	01.09.2023
33	SOLAR AND WIND ENERGY BASED VEHICLE CHARGING STATION	R.P. Chowdary V.V.R.Seshagiri Rao Ch.Indira Priyadarshini P. Anjani Devi A. Chandrakanth K. Gurubrahmam T.N. Aditya	409151-001	Granted	29.02.2024	
34	"SOLAR POWERED GRASS CUTTING ROBOT".	R.P. Chowdary K.Kishor V.V.R.Seshagiri Rao S. Narasimha Kumar Ch.Indira Priyadarshini B.V.S.Rao Y., Nagini	423405-001	Published	17-07-2024	
35	Automobile cooling system utilizing shape memory alloys and advanced sensor technology	D. Ravi, P. Surendar Reddy, Dr. Ranjit J. Singh, Dr. Y. S. Kannan, Dr. L. Suresh Kumar, Dr. Rahul, Dr. P. V. R. Ravindra Reddy, Dr. P. Prabhakar Reddy.	410318-001	Filed	12-03-2024	
36	Food preparing Robot	Dr. B. Veera Jyothi, Dr. P. V. R. Ravindra Reddy, Dr. P. Prabhakar Reddy, Dr. N.	407264-001	Granted	02-05-2024	

		Janardhan, Dr. L. Suresh Kumar, Dr. Y. S. Kannan. Dr. Rahul.				
37	Ecopower 3D Recycler	Dr. Rahul. P. Surendar Reddy, Dr. I. Vamsi, Dr. Hari Krishan Yadav, Ch. Sharath Reddy, Dr. Y. S. Kannan, D. Ravi, Dr. Ranjit J. Singh	420184-001	Filed	15-06-2024	

Academic year 2022-23

FDP/STTP/Workshops/Guest Lectures organized by the department:

1. Dr P Prabhakar Reddy & Mrs. V Sandhya as part of EDC organised "World Entrepreneurs Day" jointly organized along with IIC-CBIT during 21 Aug - 24th Aug 2022
2. A Guest Lecture by Sri KISHORE was organized by Dr. B V S Rao on the occasion of World Entrepreneurship Day celebrations on 23/08/2022

Conferences Presented / attended by the faculty:

1. KIRAN KUMAR AMIREDDY presented a paper titled "Heat Transfer Enhancement Study with Rectangular and Trapezoidal Fins using Finite Volume Method" in 2nd GEAST Global Conference on Energy, Environment & Climate Change (EECC-2022) organised by CIIR, Noida and TMU, Moradabad on 10th Sept' 2022

FDPs/ Workshops/STTPs/Seminars attended by the faculty:

1. Dr Ranjith Singh attended a Two week FDP on "Recent Trends in robotics / Smart Materials Processing and Applications" jointly organised by IIT Roorkee, MNIT Jaipur, NIT Patna and PGPM IIITDM Jabalpur during July 4-15, 2022
2. Dr. Ch Indira Priyadarsini attended a Two week FDP on "Recent Trends in robotics / Smart Materials Processing and Applications" jointly organized by IIT Roorkee, MNIT Jaipur, NIT Patna and PGPM IIITDM Jabalpur during July 4-15 2022
3. Dr. Ch Indira Priyadarsini attended 5-Day Faculty Development Programme on "Enhancing Research Eco-system in the Campus" organized by Research & Development Cell, Mall Reddy college of Engineering during 22nd to 26th August 2022.
4. Dr. MD. ALEEM PASHA attended AICTE Recognized Faculty Development Programme On Smart Materials Processing and Applications organised by Applied Science Department, NITTR, at CBIT, Gandipet, Hyderabad during 25/07/2022 to 29/07/2022
5. Sri P Kiran Kumar attended Two week FDP on "Recent Trends in robotics / Smart Materials Processing and Applications" organized by IIT Roorkee, MNIT Jaipur, NIT Patna and PGPM IIITDM Jabalpur during July 4-15 2022
6. Mr. CHINTIREDDY SHARATH REDDY attended AICTE Recognized Faculty Development Programme On Smart Materials Processing and Applications organized by Applied Science Department, NITTR, at CBIT, Gandipet, Hyderabad during 25/07/2022 to 29/07/2022
7. Mr. K. Yasoda Sreeram attended AICTE Recognized Faculty Development Programme On Smart Materials Processing and Applications organized by Applied Science Department, NITTR, at CBIT, Gandipet, Hyderabad during 25/07/2022 to 29/07/2022
8. Mrs. K N V Sreedevi attended 2 week Entrepreneurship course organized by Turnip Innovations during 13 July - 26 July 2022
9. Mrs. K N V Sreedevi attended a 2 week Patent course by Turnip Innovations during 26 Aug - 4 Sept 2022
10. Mr D Ravi attended ATAL - FDP on Signaling and Automatic Train Protection - KAVACH for Faculty Members of Engg. Colleges organised by Indian Railways Institute of Signal Engg and Telecommunications(IRISSET) during 5/9/22 - 16/9/22
11. Mr D Ravi attended a Two week FDP on "Recent Trends in robotics / Smart Materials Processing and Applications" organized by IIT Roorkee, MNIT Jaipur, NIT Patna and PGPM IIITD Jabalpur during July 4-15 2022
12. Dr Rahul attended ATAL - FDP on Signaling and Automatic Train Protection - KAVACH for Faculty Members of Engg. Colleges organised by Indian Railways Institute of Signal Engg and Telecommunications(IRISSET) during 5/9/22 - 16/9/22
13. Mr P Surender Reddy attended ATAL - FDP on Signaling and Automatic Train Protection - KAVACH for Faculty Members of Engg. Colleges organised by Indian Railways Institute of Signal Engg and Telecommunications(IRISSET) during 5/9/22 - 16/9/22
14. Dr Y S Kannan attended ATAL - FDP on Signaling and Automatic Train Protection - KAVACH for Faculty Members of Engg. Colleges organised by Indian Railways Institute of Signal Engg and Telecommunications(IRISSET) during 5/9/22 - 16/9/22
15. Dr. B V S RAO, participated in AICTE Training And Learning (ATAL) Academy Offline FDP on "Smart Manufacturing" from 20/07/2022 to 26/07/2022 at SHRI G.S. INSTITUTE OF TECH. & SCIENCE .

Guest Lectures delivered / Resource Person:

1. Dr Kiran Kumar A was a Peer reviewer for a paper titled "High Resolution ITSS as an Adjunctive Imaging tool in the evaluation of treatment Process" Radiology Editorial Committee, MRA, European Society of Medicine on April 26, 2022
2. DR RANJIT SINGH was awarded the certificate for reviewing a paper in the journal, Cleaner Materials, Elsevier in February 2022.
3. Dr N V Srinivasulu was a member of Jury in Poster Competition on Entrepreneurship in World Entrepreneurs Day Organised by IIC & EDC, CBIT during 21 Aug - 24th Aug 2022

Contribution to the outside world:

1. Dr A Kiran Kumar is Mentoring the project for ACIC, CBIT, Hyderabad

Awards received by the faculty:

1. Dr P Ravinder Reddy received the prestigious award - Mokshagundam Vishweshwaraiah Award for his outstanding contribution in the field of engineering by the Govt. of Telangana and the Institution of Engineers(India), Telangana on the occasion of 55th Engineer's Day Celebrations held at Visvesvaraya Bhavan, Hyderabad on 15th Sept 2022.
2. Dr A Kiran Kumar received the Best Teacher Award in the recognition of contribution in the field of R&D by CBIT, Hyderabad

Industry Visits:

1. Dr. B.V.S Rao, Dr. Ashutush Sahu, and Dr. A.Kiran Kumar visited Non Ferrous Materials Technology Development Centre to get acquainted with the industrial process and enhance knowledge in the areas of powder metallurgy and non ferrous alloys on 3/8/2022
2. Dr. B.V.S Rao, Dr. Ashutush Sahu, Dr. Ch Indira Priyadarsini, Mrs.Ch V Sushma, Mrs. Jyotirmayi, Ms Navaneeta and Dr. A.Kiran Kumar visited PENNAR INDUSTRIES ON 3/8/2022 FOR COLLABORATIVE WORKS .

Academic year 2021-22

FDP/STTP/Workshops/Guest Lectures organized by the department:

1. Dr.P.Prabhakar Reddy, Professor, Department of Mechanical Engineering, organized an Awareness programme on NITTR module2- Professional ethics and sustainability on 27th December 2021.
2. Dr. P Prabhakar Reddy, Dr. S Solomon Raj have organized 3 virtual awareness programmes on NITTR:
 - a. Module 6 – “Student assessment and Evaluation” on 30/04/22.
 - b. Module 7 – “Creative Problem Solving and Meaningful R&D” on 30/05/22
 - c. Module 8 – “The Institutional Management and Administrative Procedures” on 25-06-22
3. Dr P. Prabhakar Reddy & Mrs. V. Sandhya organized a three-day FDP on “Establishment and Management of Business Incubation” during 10-12 March 2022 in association with NI-MSME, (National Institute of Micro, Small and Medium Enterprises) Ministry of MSME Govt. of India.
4. Dr. P. Prabhakar Reddy & Mrs. V. Sandhya organized a two-day Students National Event “E-CON-2022” (Entrepreneurship Conclave- 2022) under EDC, CBIT on 31 st March - 1 st April 2022.
5. 5.A Guest lecture (Keynote address) on” Disruptive Technologies in Defense and Aerospace Applications” by Dr. J John Rojario Jegaraj Scientist-F, DRDL was organized on the occasion of Mechanica-22 on 23-3-2022. Dr G Chandra Mohan Reddy arranged the talk.
6. Prof Mangilal Agarwal from IUPUI addressed students of Final Year and Pre-Final Year on the “Prospects of Higher Education, Research Assistantship, Current projects” undertaken at IUPUI, Indianapolis on 07-03-2022. He also made a detailed presentation on projects being undertaken at his center. Dr G Chandra Mohan Reddy arranged the Talk.
7. Dr. BVS Rao organized a guest lecture on "Supply Chain Technology Enabling Modern Retail" on 30-09-2021 between 10.30 am to 12 Noon (ONLINE MODE). It was delivered by Sri. Vikas Jain, Vice President, Reliance Industries Limited, Mumbai.

Conferences Presented / attended by the faculty:

1. Dr G ChandraMohan Reddy attended the 35th National Convention of Production Engineers and National Conference on the theme “Emerging Technologies for Sustainable Manufacturing” Organized by Durgapur Local Center of the IEI in Virtual mode during 30-31 October 2021.
2. Dr. N Janardhan has presented a paper entitled “Analysis of Pitta Imbalance in young Indian adults using Machine Learning Algorithm” in 2nd International Conference on Intelligent Technologies (CONIT 2022) during 24th to 26th June 2022.
3. Dr. Rahul, has presented a paper entitled, “Effect of Grade 5 Titanium Interlayer on Microstructure and Pitting Corrosion Behaviour of AA110/A36 Explosion Welds” (K. Sri Ram Vikas, Rahul, Ch. Kishore Reddy, VSN Venkata Ramana, Priyadarsini Morampudi, Ch. Prasad), in Material TECH 2022 (Second International Conference on Materials and Technologies), National Institute of Technology Raipur, 28th –29th January, 2022. MT2022-M21.
4. Dr. Rahul has presented a paper entitled, “Development of B4C Particulate Reinforced AA7075 Composite by Friction Stir Welding: Evaluation of Microstructure and Mechanical Properties” (Kishore Reddy, K. Sri Ram Vikas, VSN Venkata Ramana, Rahul, P. Naga Vishnu), in Material TECH 2022 (Second International Conference on Materials and Technologies), National Institute of Technology Raipur, 28th –29th January 2022. MT2022-MM14.
5. Dr. Rahul has presented a paper entitled, “Physical, Mechanical and Corrosion Properties of Powder Metallurgy Processed Al6061/ZrB2 Metal Matrix Nano Composites” (Priyadarsini Morampudi, V.S.N. Venkata Ramana, K. Sriram Vikas, Rahul, Chitrada Prasad), in Material TECH 2022 (Second International Conference on Materials and Technologies), National Institute of Technology Raipur, 28th –29th January 2022. MT2022-MM38.
6. Dr. Rahul has presented a paper entitled, “Enhancing Wear Properties of Al6061 Metal-Matrix Composites by Reinforcement of ZrB2 Nano Particles” (Priyadarsini Morampudi, V.S.N. Venkata Ramana, K. Sriram Vikas, Rahul, Chitrada Prasad), in Material TECH 2022 (Second International Conference on Materials and Technologies), National Institute of Technology Raipur, 28th –29th January 2022. MT2022-MM39.
7. Venkata Sushma Chinta presented the research paper entitled “The Effect of Stacking Sequence on the Tensile Properties of Jute Fibre Reinforced Hybrid Composite Material for Axial Flow Fan Blades: An Experimental and Finite Element Investigation” in the 2021 at Third International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021) held at the Department of Mechanical Engineering, D Y Patil College of Engineering and Technology, Kolhapur, Maharashtra, India.
8. Venkata Sushma Chinta presented the research paper entitled “Experimental Investigation of High cycle fatigue life of Jute Fibre Reinforced Hybrid Composite Material for Axial Flow Fan Blades” in the 2021 Third International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021) held at the Department of Mechanical Engineering, D Y Patil College of Engineering and Technology, Kolhapur, Maharashtra, India.
9. Pullela Ramalakshmi , P Ravinder Reddy and Nakshatram Sarthak , “Finite element analysis on MWNT reinforced S-glass composite”, presented at First International Conference on Advances in Mechanical Engineering and Material Science ICAMEMS organized by Vellore Institute of Technology, AP Campus from January 22 – 24 , 2022
10. Pullela Ramalakshmi , Pinninti Ravinder Reddy and Nakshatram Sarthak, “Finite element analysis on MWNT reinforced S-glass composite”, Materials Today: Proceedings 56 (2022) 1364–1368, Available online from 9 December 2021, <https://doi.org/10.1016/j.matpr.2021.11.427>, Page 1364 -1368
11. Ch.Indira Priyadarsini, Dr.T.Ratna Reddy, P.Anjani Devi, “Design and Performance Analysis of Automotive Radiator using Computational Fluid Dynamics”, International Multidisciplinary Conference on Research, Technology & Engineering

[ImCReTE-2022] organized by KJEI's Trinity Academy of Engineering, Pune in Collaboration with IARDO, ISBN:978-93-91535-28-5 and published in Scopus Journal International Journal of Mechanical Engineering.

12. P. Anjani Devi, , Ch. Indira priyadarsini, Chandu Avvari, "Design of folded wing mechanism for Unmanned Aerial Vehicle (UAV)", Volume 62, Part 6, 2022, Pages 4117-4125, <https://doi.org/10.1016/j.matpr.2022.04.660>, Materials Today: Proceedings International Conference on Materials, Processing & Characterization (13th ICMPC)
13. Dr. L Suresh Kumar has presented a FLP length paper with the title SMARTAI _ THE INVESTMENTS PORTFOLIO in the International Conference on Intelligent Computing & Networking (IC-IC-2022) organized during February 25th and 26th 2022 at Thakur College of Engineering and Technology, Kandivali, Mumbai
14. Ms V.Sandhya presented a paper titled "Influence of Welding Speed, voltage, and beam current on the Microstructure and Mechanical Properties of Electron Beam-Welded Titanium radial joints" at International Conference on Advanced Materials for Innovation and Sustainability- ICAMIS-2022 during 18 th -19 th Feb, 2022 organized by MLR Institute of Technology, Hyderabad.

FDPs/ Workshops/STTPs/Seminars attended by the faculty:

1. Dr N V Srinivasulu, Professor, Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad, has successfully completed One Week Online Faculty Development Programme on Recent Trends in Robotics (RTR-2021) organized by Department of Mechanical Engineering, Vasavi College of Engineering from 06th to 10th December 2021
2. Dr. Md. Aleem Pasha, Associate Professor participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "3D Printing & Design" from 14/12/2021 to 18/12/2021 at NIT Warangal
3. Dr. Md. Aleem Pasha, Associate Professor, has successfully completed One Week Online Faculty Development Programme on Recent Trends in Robotics (RTR-2021) and Team-based Online Project (TOP) organized by Department of Mechanical Engineering, Vasavi College of Engineering from 06th to 10th December 2021
4. Dr. Md. Aleem Pasha, Associate Professor, has successfully completed One Week AICTE-ISTE orientation/ refresher programme on NanoTechnology applications in Mechanical Engineering organized by Department of Mechanical Engineering, MJ College of Engineering from 10th to 16th December 2021
5. Dr L. Suresh Kumar Completed one week FDP programme organized by Vasavi College of engineering sponsored by AICTE. "Recent trends in robotics from 06 th Dec 2021. To 10 th Dec 2021
6. Mr. D Ravi, participated in the FDP conducted on "Advances in Thermal Engineering", organized by the Department of Mechanical Engineering, JNTUH from 20-12-2021 to 22-12-2021.
7. Y.Nagini attended three days FDP on Advances in Thermal Engineering organized by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad from 20/12/21 to 22/12/21.
8. Mr P.Radhakrishna Prasad has attended Faculty Development Program on "Recent trends on Robotics" organized by Department of Mechanical Engineering ,Vasavi College of Engineering, Hyderabad
9. Dr. NVSrinivasulu has attended a 5-day SERB online international workshop on 'Recent Advancements in Modelling Analysis of Porous Material' organized by department of Mechanical Engineering, NIT Suratkal from 28-2-22 to 4-3-22
10. Dr. K Kishor has attended a 5-day SERB online international workshop on 'Recent Advancements in Modelling Analysis of Porous Material' organized by department of Mechanical Engineering, NIT Suratkal from 28-2-22 to 4-3-22
11. Mr.P Surender Reddy has attended a 5 day SERB online international workshop on 'Recent Advancements in Modelling Analysis of Porous Material' organized by department of Mechanical Engineering, NIT Suratkal from 28-2-22 to 4-3-22
12. Dr. Y. S. Kannan has attended a 5-day SERB online international workshop on 'Recent Advancements in Modelling Analysis of Porous Material' organized by department of Mechanical Engineering, NIT Suratkal from 28-2-22 to 4-3-22
13. Dr. N V Srinivasulu has attended 1-week National level FDP on "Renewable Energy for Sustainable Development" from 1st – 5th March 2022 organized by Bharatratna College of Engineering, Solapur.
14. Dr P PRABHAKAR REDDY has participated in the One Week Short Term Training Programme on "Cyber Security" jointly organized by Department of Computer Science & Engineering and Department of Information Technology, Chaitanya Bharathi Institute of Technology (Autonomous) during 16-20 May 2022
15. Dr P PRABHAKAR REDDY has participated in 7-day National level Online FDP on "Computational Tools for Applied Mathematics" organized by the department of Mathematics, Kumaraguru College of Technology, Coimbatore during 15th to 21st July 2021
16. Dr P PRABHAKAR REDDY has participated in Sambhav, e-National Level Awareness Programme organised in October-November 2021 by Ministry of MSME for promoting Entrepreneurship.
17. Dr P PRABHAKAR REDDY has participated in the 5 Day International Short Term Training Programme on "Block Chain or Digital Transformation" organized by Department of Computer Science & Engineering, Chaitanya Bharathi Institute of Technology (Autonomous) during 12-16 August 2021
18. 18.
19. Mr T N Aditya has participated in 5-day National level Online FDP on "Polymer Composites for Industry 4.0" organized by the department of Mechanical Engineering, VNR Vignana Jyothi Institute of Engineering of Technology, Hyderabad during 13th to 17th June 2022
20. Dr. Hari Krishan Yadav attended an FDP: Smart Materials Processing and Applications
21. Sri P Radha Krishna Prasad had 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 26th July 2021 to 30th July, 2021.
22. Mrs. N Jyothirmayi had 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 26th July, 2021 to 30th July, 2021.
23. Dr. Hari Krishan Yadav had 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
24. Mrs. D S Madhuri had 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 26th July, 2021 to 30th July, 2021.
25. Mrs. D S Madhuri had participated in one week faculty development program (FDP) on "Research Practices in Thermo-Fluid and Renewable Energy Systems" organized by Department of Mechanical Engineering, Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar, Hyderabad, Telangana 501301, from 28/06/2021 to 03/07/2021.

26. D S Madhuri attended three days FDP on "Advances in Thermal Engineering" organized by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad from 20/12/21 to 22/12/21.
27. D S Madhuri attended a seminar on "Scope for Interdisciplinary Research " on 6th May 2022 organized by Research & Development Centre and Deptt of Information Technology, CBIT.
28. D S Madhuri attended five days National Level Online FDP on Emerging Trends in Automotive and Energy Systems held from 23-08-21 to 27-08-21 organized by Department of Mechanical Engineering, Sree Vidyanikethan Engg college(A), Tirupati.
29. Mrs KNV Sreedevi attended a 1-hour World IP Day Seminar on" IP and Youth – Innovating for a better future" Facilitated by Dr Anindya Sircar on 26th April 2022 conducted by Turnip Innovations
30. Mrs KNV Sreedevi participated in the FDP conducted on "Advances in Thermal Engineering", organized by the Department of Mechanical Engineering. JNTUH from 20-12-2021 to 22-12-2021.
31. Mrs KNVSreedevi completed NPTEL online certification course on Introduction to fluid mechanics from Jan-Apr 21
32. Mrs KNVSreedevi attended seminar on 'Scope of interdisciplinary research' held on 6-5-22 by R and D and IT department,CBIT.
33. Mrs KNVSreedevi completed 2-week entrepreneurship course by Turnip innovations from 13-jul to 26 jul 2022
34. Mrs KNVSreedevi completed online NPTEL course on conduction and convective heat transfer from Jan to Apr 22
35. Mrs KNVSreedevi attended AICTE-ISTE approved program on Design Thinking and Innovations from 7-1-22 to 13-1-22 organised by NRI institute of Technology
36. Mrs KNVSreedevi attended One week FDP on post covid green and sustainable development practices in manufacturing industries organized by CVR college from 17 to 21 -1-22
37. Mrs KNVSreedevi attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Alternative fuels: Biofuels" from 04/10/2021 to 08/10/2021 at P D A College of Engineering Kalaburagi.
38. Mr. T N Aditya attended a Webinar on" Micro credentials for Macro learning" conducted by GEDC Industry Forum on 15-06-22.
39. Mr. T N Aditya attended a Webinar on "Dealing with Digital Credentials in Higher Education Institutions and their Potential". Conducted by TUTI on 08-06-22
40. Dr. A. Kiran Kumar attended CNDE Webinar on 16th June 2022 on "Ultrasonic NDT using dispersion compensated Guided Wave Measurements" conducted by IOWA State University
41. Mrs.Ipsita Mohanty, attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Alternative fuels: Biofuels" from 04/10/2021 to 08/10/2021 at P D A College of Engineering Kalaburagi.
42. Mrs.Ipsita Mohanty attended ISTE Approved One Week STTP on, Advances in Materials and Manufacturing Techniques (AMMT) organized from 1 st to 7th July 2021.
43. Mrs.Ipsita Mohanty participated in the one week faculty development program (FDP) on "Research Practices in Thermo-Fluid and Renewable Energy Systems" organised by department of mechanical engineering, Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar, Hyderabad, Telangana 501301, from 28/06/2021 to 03/07/2021.
44. Mr. Yasoda Sreeram Kalluri successfully completed the 12-week NPTEL-AICTE Faculty Development Programme on Fundamentals of Manufacturing Processes with a consolidated score of 90% during July to October 2021.
45. Mr. P Surendar Reddy has successfully completed AICTE Sponsored one week online Short-Term Training Program (STTP - Phase-III) on "Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing", organized by Department of Mechanical Engineering, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, Andhra Pradesh from 26th July 2021 to 31 st July 2021.
46. Mr. P Surendar Reddy has successfully completed one-month online internship in RESEARCH TRAINING from 05.07.2021 to 05.08.2021 (weekdays only) organised by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC).
47. P Surendar Reddy attended, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Novel Materials" from 01/11/2021 to 05/11/2021 at RAVENSHAW UNIVERSITY.
48. P Surendar Reddy attended Online Elementary FDP on "Finite Element Method (with applications to solid mechanics, heat transfer and fluid mechanics)" from 17/08/2021 to 21/08/2021 at M.B.M Engineering College, Faculty of Engineering and Architecture, Jai Narain Vyas University, Jodhpur.
49. P Surendar Reddy attended SERB sponsored five days online workshop on 'Recent advances in manufacturing processes for industrial applications from Feb 21-25, 2022, organised by NIT surathkal, Karnataka.
50. Mr. Yasoda Sreeram Kalluri successfully completed the 08-week NPTEL-AICTE Faculty Development Programme on Fluid Dynamics and Turbomachines with a consolidated score of 60% during July to September 2021.
51. Dr. Y. S. Kannan has attended a One-week Faculty Development Programme on 'Application of Artificial Intelligence and Machine Learning in Mechanical Engineering (AAIME-2021)' organized by department of Mechanical Engineering, Maturi Venkata Subba Rao (MVSR) Engineering College from 18-10-21 to 23-10-21.
52. Sri. P. Kiran Kumar has attended One week FDP on "Vibration and Condition Monitoring (VACM-2021) organised by department of Mechanical Engineering, Vasavi College of Engineering from 20/09/2021 to 24/09/2021.
53. Sri. P. Kiran Kumar has attended One week ATAL-FDP on "Novel Materials" organised by University College at Engineering Osmania University from 22/11/2021 to 26/11/2021.
54. Sri. P. Kiran Kumar has attended One week ATAL-FDP on "3D Printing & Design" organised by University college at Engineering, Osmania University from 25/10/2021 to 29/10/2021.
55. Sri. P. Kiran Kumar has attended 5 days SERB online International Workshop on "Recent Advance in Modelling Analysis at Porous Material", organized by NIT-Surathkal from 28/02/2022 to 04/03/2022.
56. Sri. P. Kiran Kumar has attended 5 days SERB sponsored online workshop on "Recent Advanced in Manufacturing Processing for Industrial Applications" organized by NIT-Surathkal from 21/02/2022 to 25/02/2022.
57. Dr.S.Narasimha kumar attended three days FDP on Advances in Thermal Engineering organized by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad from 20/12/21 to 22/12/21.
58. Chintireddy Sharath Reddy, Assistant Professor of Chaitanya Bharathi Institute of Technology (A) participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Medical Image Processing and 3D Applications" from 2021-07-05 to 2021-07-09 at University College of Engineering.
59. Chintireddy Sharath Reddy, Assistant Professor, from Chaitanya Bharathi Institute of Technology (A) has completed AICTE Sponsored one week online Short-Term Training Program (STTP - Phase-III) on "Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing", organized by Department of Mechanical Engineering, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, Andhra Pradesh from 26th July 2021 to 31st July 2021.
60. Chintireddy Sharath Reddy, Assistant Professor of Chaitanya Bharathi Institute of Technology (A) participated &

- completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing & Design" from 08/11/2021 to 12/11/2021 at University college of engineering, Osmania University.
61. Chintireddy Sharath Reddy, Assistant Professor of Chaitanya Bharathi Institute of Technology (A) participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing & Design" from 23/08/2021 to 27/08/2021 at MURUGAPPA POLYTECHNIC COLLEGE.
 62. Chintireddy Sharath Reddy, Assistant Professor of Chaitanya Bharathi Institute of Technology (A) participated in a Five-Day Faculty Development Program on "Recent Trends in Thermal Engineering" held from 06-09-2021 to 10-09-2021 organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College (Autonomous), Gudlavalleru.
 63. Mr.Chintireddy Sharath Reddy from Chaitanya Bharathi Institute of Technology (A) has successfully participated in AICTE Sponsored One Week Online Short Term Training Programme on "Advances in Manufacturing Systems" organized by Department of Mechanical Engineering, Madhav Institute of Technology & Science, Gwalior from September 20-25, 2021.
 64. Chintireddy Sharath Reddy has attended a One-week Faculty Development Programme on 'Application of Artificial Intelligence and Machine Learning in Mechanical Engineering (AAIME-2021)' organized by department of Mechanical Engineering, Maturi Venkata Subba Rao (MVSR) Engineering College from 18-10-21 to 23-10-21.
 65. Chintireddy Sharath Reddy has Successfully completed the AICTE – ISTE approved orientation/ refresher program on "Additive Manufacturing in medical and emerging applications" held during 27.01.2022 to 02.02.2022 organized by Vasavi College of Engineering, Hyderabad, Telangana.
 66. Chintireddy Sharath Reddy participated in one week online Faculty Development Program on "Artificial Intelligence/ Machine Learning for Mechanical Engineering Problems" held from 21-03-2022 to 26-03-2022 organized by Department of Mechanical Engineering, Shri Vishnu Engineering College for Women (SVECW), Bhimavaram, W.G.Dist, Andhra Pradesh.
 67. Chintireddy Sharath Reddy, Assistant Professor of Mechanical Engineering, has attended a seminar on "Scope for Interdisciplinary Research" held on 06 May 2022 organized by Research & Development Centre and Department of Information Technology, Chaitanya Bharathi Institute of Technology (A), Hyderabad -500 0075, Telangana.
 68. Mrs N Jyothirmayi attended a 5-day faculty development program on "Progressive Trends in Mechanical Engineering" from 28th March to 1st April,2022 organized by Department of Mechanical Engineering, Andhra Loyola Institute of Engineering & Technology.
 69. Mrs N Jyothirmayi participated in AICTE recognized FDP on " Additive Manufacturing for Biomedical Applications" conducted by Mechanical Engineering Department, NITTTR, Chandigarh from 25/04/2022 to 29/04/2022.
 70. Mrs N Jyothirmayi attended one-month online internship in Research Training from 5-7-2021 to 5-8-2021 conducted by MSME- Technology Development Centre (PPDC)
 71. Mrs V.Sandhya attended one month online internship in Research Training from 5-7-2021 to 5-8-2021 conducted by MSME- Technology Development Centre (PPDC)
 72. Mrs V.Sandhya participated in AICTE recognized FDP on "Advancement in Manufacturing Technology " conducted by School of Studies of Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur from 17.01.2022 to 21.01.2022.
 73. Dr.V.V.R.Seshagiri Rao, Associate Professor successfully completed the 12 week NPTEL-AICTE Faculty Development Programme on 'Non-Conventional Energy Resources' with a consolidated score of 88% during Jan-Apr 2022 and stood Topper of the batch. This is equivalent to 1 ½ FDPs and 3 credits, as recommended by NPTEL.
 74. Dr.V.V.R.Seshagiri Rao, Associate Professor successfully completed the 12 week NPTEL-AICTE Faculty Development Programme on 'Solar Energy Engineering and Technology' with a consolidated score of 73% during Jul-Oct 2021. This is equivalent to 1 ½ FDPs and 3 credits, as recommended by NPTEL.
 75. Dr.V.V.R.Seshagiri Rao, Associate Professor successfully completed the 12 week NPTEL-AICTE Programme on 'Applied Thermodynamics for Engineers' with a consolidated score of 82% during Jul-Oct 2021 and stood Topper of the batch. This is equivalent to 3 credits, as recommended by NPTEL.
 76. Dr.R.P.Chowdary, Associate Professor successfully completed the 12 week NPTEL-AICTE Faculty Development Programme on 'Non-Conventional Energy Resources' during Jan-Apr 2022, which is equivalent to 1 ½ FDPs and 3 credits, as recommended by NPTEL.
 77. Dr.R.P.Chowdary, Associate Professor successfully completed the 12 week NPTEL-AICTE Faculty Development Programme on 'Solar Energy Engineering and Technology' during Jul-Oct 2021, which is equivalent to 1 ½ FDPs and 3 credits, as recommended by NPTEL.
 78. Dr.R.P.Chowdary, Associate Professor successfully completed the 12 week NPTEL-AICTE Programme on 'Applied Thermodynamics for Engineers' during Jul-Oct 2021, which is equivalent to 3 credits, as recommended by NPTEL.
 79. Venkata Sushma Chinta has participated in 5 day National level Online FDP on "Polymer Composites for Industry 4.0" organized by the department of Mechanical Engineering, VNR Vignana Jyothi Institute of Engineering of Technology, Hyderabad during 13th to 17th June 2022.
 80. Venkata Sushma Chinta, Assistant Professor of Chaitanya Bharathi Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends in Renewable Energy" from 31/01/2022 to 04/02/2022 at GOVERNMENT ENGINEERING COLLEGE.
 81. Venkata Sushma Chinta has completed One Week Short Term Training Programme through ICT Mode on Vibration Analysis using MATLAB organized by this Institute from 4th October to 8th October, 2021 successfully.
 82. Venkata Sushma Chinta has completed One Week Short Term Training Programme through ICT Mode on CAD/CAM organized by this Institute from 6th September to 10th September, 2021 successfully.
 83. Venkata Sushma Chinta has successfully completed ISTE approved Online/SF-STTP/FDP Programme on "Polymer Composite" held during 03.01.2022 to 07.01.2022 organized by St. Francis Institute of Technology, Mumbai, Maharashtra.
 84. Venkata Sushma Chinta has completed One week National level Intercollegiate Online Faculty Development Program on Outcome Based Education & Bloom's Taxonomy organized by the Internal Quality Assurance Cell of Ramakrishna Mission Vivekananda Centenary College, Kolkata in association with ipsr solutions limited 08 November 2021 to 15 November 2021.
 85. Dr.S.Narasimha Kumar has completed AICTE Sponsored One Week Online Short Term Training Programme (Sttp) On"Machine Learning Applications In Mechanical Engineering"From 14th To 18th February, 2022.
 86. Dr P Ramalakshmi is a participant in AICTE – ISTE approved one week Orientation program / Refresher program on "Additive Manufacturing in Medical and Emerging Applications", 27.01.2022 to 02.02.2022 organized by Vasavi College of Engineering

87. Dr P Ramalakshmi attended one day webinar on Polygeneration an Innovative Method for Energy and Power Generation, organized by MED, CBIT(A) on 13th November 2021
88. Dr. B.V.S. Rao, Assistant Professor (Coordinator for AICTE Idea Lab) , Dept. of Mech. Engg attended an advanced Faculty Development Programme organised by AICTE on Smart Manufacturing at Shri G.S.Institute of Tech. & Science, Indore (MP), between 20 to 26 July 2022
89. Dr. B.V.S. Rao, Assistant Professor Dept. of Mech. Engg attended an 8 Day Faculty Development Programme on INDUSTRY 4.0 and Smart Manufacturing organised by NIT, Warangal between 19 to 26 Feb ,2022.
90. Dr G ChandraMohan Reddy attended "3-DAY WORKSHOP ON ADVANCES IN MATERIALS PROCESSING –3D PRINTING AND OPPORTUNITIES" organized by the School of Mechanical Engineering (SMEC), VIT-AP University, Amaravati (AP), India during 24th to 26th July, 2021
91. Dr G ChandraMohan Reddy attended IEI Technical Webinar on the theme AUTOMATING CONSTRUCTION THROUGH 3D PRINTING organized by The Institution of Engineers (India) under the aegis of Civil Engineering Division on 24/07/2021 from 16:00 hr to 18:00 hr.
92. Dr G ChandraMohan Reddy attended IEI Technical Webinar on the theme DRIVING BUSINESS PERFORMANCE AND GROWTH THROUGH DATA DRIVEN DECISION MAKING organized by Jharkhand State Centre of The Institution of Engineers (India) under the aegis of Production Engineering Division on 25/07/2021 from 17:00 hr to 19:00 hr
93. Dr G ChandraMohan Reddy attended AICTE - Sponsored Short Term Training Programme - One-week Online STTP on "3D Printing for Sustainable Development" held from 25/10/2021 to 30/10/2021 jointly organized by AICTE, New Delhi and Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, T.S., India
94. Dr G ChandraMohan Reddy attended TiE Pune Webinar – Technology Innovation Partnership Program on 8th Dec 2021
95. Dr G ChandraMohan Reddy attended 36th Indian Engineering Congress- Technical Sessions held in Virtual Mode during 15-16 Dec 2021 from 10.100 AM to 6.00PM(IST).
96. Dr G ChandraMohan Reddy attended "2-Day Online Workshop On Material Characterization Techniques (Rheology, XRD, Nano-Indentation, Scratch Testing)", organized by the School of Mechanical Engineering (SMEC), VIT-AP University, Amaravati (AP), India during 25th to 26th February, 2022
97. Dr G ChandraMohan Reddy attended IEI Technical Webinar on the theme ADVANCES IN PRODUCTION ENGINEERING organized by Tripura State Centre of The Institution of Engineers (India) under the aegis of Production Engineering Division on 05/04/2022 from 15:30 hr to 18:30 hr
98. Dr G ChandraMohan Reddy Attended a seminar on "Scope for Interdisciplinary Research" held on 06 May 2022 organized by Research & Development Centre and Department of Information Technology, Chaitanya Bharathi Institute of Technology (A), Hyderabad -500 0075, Telangana
99. Dr G ChandraMohan Reddy attended Elsevier Knowledge Hub - Publication Ethics and Research Integrity in Science -at APAC Knowledge Hub Workshop, on Wednesday 11 May, 2022 Presented by Nicholas Pak Senior Customer Consultant, Cheng Weiwei Senior Manager, Regional Marketing.
100. Dr G Chanmdra Mohan Reddy attended SAROJINI NAIDU VANIT A MAHA VIDYALAYA, Virtual National Workshop On "IDEAS TO IP: PRACTICAL APPROACH TO PATENTING" organized by IQAC & IPR Committee held on 28th May, 2022.
101. Dr G ChandraMohan Reddy attended IP Awareness/Training Program under National Intellectual Property Awareness Mission on 31st May 2022 organized by Intellectual Property Office, India.
102. Dr G Chanmdra Mohan Reddy Completed a Two Week Course – Awarded Certificate by ALISON in "Introduction to Automated System Design" 27th June 2022
103. Dr P.V.R.Ravindra Reddy participated in one week faculty development programme on "polymer composites for industry 4.0" organised by VNR vignanajyothi college of engineering from 13th June to 17th June 2022
104. Dr P.V.R.Ravindra Reddy participated in one week faculty development programme on "polymer composites for industry 4.0" organised by VNR vignanajyothi college of engineering, Hyderabad from 13th June to 17th June 2022.
105. Dr P.V.R.Ravindra Reddy participated in one week faculty development programme on "non linear and evolutionary optimisation techniques in Engineering" organised by Gayatri Vidya Parishad college of Engineering, Visakhapatnam from 13th June to 17th June 2022.
106. Dr.P.V.R.Ravindra Reddy participated in five day ATAL faculty development programme on "Green Technology and sustainability Engineering " organised by Bharathi Vidyapeet college of Engineering, Navi Mumabai from 16.07.2021 to 20.07.2021
107. Dr.P.V.R.Ravindra Reddy participated in one week ATAL faculty development programme on "Manufacturing : Hindsight of foresight" organised by Birla Institute of Technology and Science, Pilani from 16.07.2021 to 20.07.2021
108. Dr P.V.R.Ravindra Reddy participated in one week ATAL faculty development programme on "3D Printing and Design" organised by Dr Mahalingam College of Engineering and Technology from 06.07.2021 to 10.07.2021
109. Dr P.V.R.Ravindra Reddy participated in AICTE-ISTE approved Orinetaiton/Refresher course on "Advanced Manufacturing Technolgy" organised by Sriramkrishna Polytechnic College, Coimbatore, Tamilnadu. from 24.01.2022 to 321.01.2022
110. MS. NAGINI YARRAMSETTY of CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY has successfully participated in IP Awareness/Training program under National Intellectual property awareness mission on January 06, 2022.
111. MS. NAGINI YARRAMSETTY of CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY has participated in one day webinar on Polygeneration an innovative method for energy and power generation on 13th November 2021 organised by CBIT, Hyderabad.
112. Mrs. Nagini Yarramsetty, Assistant Professor, Chaitanya bhharathi Institute of technology has participated in the 5 Day Faculty Development Program on "PROGRESSIVE TRENDS IN MECHANICAL ENGINEERING" from 28th March to 1st April, 2022 organized by Department of Mechanical Engineering, Andhra Loyola Institute of Engineering & Technology, Vijayawada.
113. Mrs. Nagini Yarramsetty has successfully completed one month online internship in RESEARCH TRAINING from 05.07.2021 to 05.08.2021
114. Nagini Yarramsetty has successfully completed One Week Online Faculty Development Programme on Research Avenues in Thermal Engineering (RATE-2021)organized by Department of Mechanical Engineering, Vasavi College of Engineering from 26thJuly to 30thJuly 2021
115. Ms.Nagini Yarramsetty, Assistant Professor, Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Telangana has participated in One day National Workshop on "Recent Trends and Challenges in Block

- Chain Technology” organized by Department of Information technology, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana on 12th March 2022.
116. This is certified that Nagini Yarramsetty, Assistant Professor of Chaitanya Bharathi Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "FDP on Guidance, Counselling and Mentoring" from 20/09/2021 to 24/09/2021 at Dr. Hari Singh Gour Vishwavidyalaya (A Central University) Sagar, MP.
 117. Nagini Yarramsetty, Assistant Professor of Chaitanya Bharathi Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "WASTE MANAGEMENT PRACTICES FOR FUTURE INDIA" from 13/09/2021 to 17/09/2021 at University College of Engineering Ramanathapuram.
 118. Dr G Laxmaiah Attended AICTE one week Online Orientation Training Programme for Mentors Under National Initiative for Technical Teachers Training (NITTR) from 7th February to 11th February 2022.
 119. Dr G Laxmaiah Attended 5 days SERB Online International workshop on Recent Advances in Modeling Analysis of Porous Materials (RAMAPM 2022) Organized by Department of Mechanical Engineering, National Institute of Technology, Karnataka Surathkal from 28.02.2022 to 04.03.2022
 120. Dr G Laxmaiah Attended one week AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Novel Materials" from 22/11/2021 to 26/11/2021 at University college of Engineering, Osmania University, Hyderabad
 121. Dr G Laxmaiah Attended one week AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "3D Printing and Design" from 25/10/2021 to 29/10/2021 at University College of Engineering, Osmania University, Hyderabad
 122. Dr G Laxmaiah Attended one week online Short-Term Training Program (STTP) on “Vibration Analysis using MATLAB” organized by National Institute of Technical Teachers Training and Research (NITTTR), Kolkata from 4th -8th October 2021.
 123. Dr G Laxmaiah Attended AICTE Sponsored one week online Short-Term Training Program(STTP-4) on “Innovations and Challenges in Industry4.0 Automation and Smart Manufacturing”, organized by Department of Mechanical Engineering, Kallam Haranadha Reddy Institute of Technology, Guntur from 9th to14th August2021.
 124. Dr S Solomon Raj attended one week SERB Sponsored online workshop on “ Recent Advances in Manufacturing Processes for Industrial Applications”, organized by Department of Mechanical Engineering, National Institute of Karnataka, Surathkal from February 21-25, 2022.
 125. Dr S Solomon Raj attended AICTE Sponsored ATAL FDP on “ 3D Printing and Design”, from 25/10/2021 to 29/10/2021 at University College of Engineering, Osmania University, Hyderabad.
 126. Dr S Solomon Raj attended AICTE Sponsored ATAL FDP on “ Novel Materials”, from 22/11/2021 to 26/11/2021 at University College of Engineering, Osmania University, Hyderabad.
 127. Dr S Solomon Raj attended one week Short Term Training Programme on “ Vibration Analysis using MATLAB”, organized by the NITTTR kolkata from 4/10/2021 to 8/10/2021.
 128. Dr S Solomon Raj attended one week Short Term Training Programme on “ CAD/CAM ”, organized by the NITTTR kolkata from 6/9/2021 to 10/9/2021.
 129. Dr S Solomon Raj attended AICTE Sponsored ATAL FDP on “ "Design and Analysis using CATIA/ANSYS ”, from 20/09/2021 to 24/09/2021 at Dr Ambedkar Institute of Technology.
 130. Dr S Solomon Raj Online FDP in association with AICTE on New & Emerging Technology organized by ARK infosolutions Pvt Ltd on “ Using Simulation tools provided by technology partner Ansys software Pvt Ltd”, from 28/06/2022 to 02/07/2022.
 131. Dr S Solomon Raj attended AICTE Sponsored one week Short Term Training Programme on “ Innovations and challenges in Industry 4.o automation and smart manufacturing”, organized by Kallam Haranadhareddy institute of technology.
 132. Mr. V Jaipal Reddy has successfully completed one-month online internship in RESEARCH TRAINING from 05.07.2021 to 05.08.2021 (weekdays only) organised by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC).
 133. Mr. V Jaipal Reddy has successfully completed ISTE Sponsored one week online STTP on “Advances in Materials and Manufacturing Techniques (AMMT)”, organized by Department of Mechanical Engineering, ANNASAHEB DANGE COLLEGE OF ENGINEERING & TECHNOLOGY, Astha, Madhya Pradesh from 1st July 2021 to 7th July 2021.
 134. Dr. Inturi Vamsi has successfully completed a 7-day course on “Design Thinking” organized by Turnip Innovations from 16.05.2022 to 22.05.2022.
 135. Dr. Inturi Vamsi has successfully completed an online short-term course on “Python Programming for Beginners” organized by NIT warangal, from 27.05.2022 to 31.05.2022.
 136. Dr. Inturi Vamsi has participated in the faculty development program on “Scope for Sponsored Projects and its Implementation” organized by Department of Physics, SRM University on 11.05.2022.
 137. Dr. Inturi Vamsi attended a seminar on “Scope for Interdisciplinary Research ” organized by Research Development Centre and Department of Information Technology, CBIT (A) on 06.05.2022.

Guest Lectures delivered / Resource Person:

1. Prof. P. Ravinder Reddy Delivered a talk on Overview on FEA: its usefulness in solving real time problems on 27.12.2021, at AICTE-ISTE Refresher Program on FEA for Solving Real time Problems-27.12.2021 to 01.01.2022, organized by Dept. of Mechanical Engineering, NBKR Institute of Science & Technology, Vidyanagar-524413, SPSR Nellore District, Andhra Pradesh, India.
2. Prof. P. Ravinder Reddy Delivered a talk on Overview on Statics and Modal Analysis using Finite Element Analysis on 28.12.21 at AICTE-ISTE Refresher Program on FEA for Solving Real time Problems-27.12.2021 to 01.01.2022, organized by Dept. of Mechanical Engineering, NBKR Institute of Science & Technology, Vidyanagar-524413, SPSR Nellore District, Andhra Pradesh, India
3. Dr G ChandraMohan Reddy speaker for ASME-CBIT Webinar – on “3D Printing” Additive Manufacturing on 25th July 2021.
4. Dr G ChandraMohan Reddy Resource Person for UGC-Human Resource Development Centre, JNTUH One Week Online Short Course on “Robotics and its Applications” from 20-12-2021to 27-12-2021 on the Topic “Basics and Classification of Robots and Applications of Robots” from 11.45 Am to 1.15 Pm on 20-12-2021 (Monday).
5. Dr G ChandraMohan Reddy Resource Person for UGC-Human Resource Development Centre, JNTUH One Week Online Short Course on “Robotics and its Applications” from 20-12-2021to 27-12-2021 on the Topic “Robot Kinematics” from 3.45 Pm to 5.15 Pm on 21-12-2021 (Tuesday).

6. Dr G ChandraMohan Reddy Speaker on “Smart Digital manufacturing Practices for SME Sector in Global digitalization Era” on 10th February 2022 from 6.30PM to 8.00 PM organized by Hyderabad Management Association.
7. Dr. P. Prabhakar Reddy and Mr. P. Surendar Reddy, visited Ratnapuri Polytechnic College, Near Patancheru, Hyderabad and delivered an awareness and expert talk on “Framework for excellence in Diploma Level Education and Career Planning” on 7 th April 2022.
8. Dr. P Prabhakar Reddy was invited as a jury member for the graduation project external jury – 2022 conducted by F&LA Department, NIFT Hyderabad on 23rd and 25th March 2022.
9. Dr S Solomon Raj, delivered an expert lecture on “ Module-8: Institutional Management and Administrative Procedures”, at CBIT on 25/06/2022 Hyderabad.
10. Dr. Inturi Vamsi has contributed as a Speaker of Eminence at a five day online faculty development program on “Recent Trends in Mechanical Engineering” organized by IcfaiTech, ICFAI University, Jaipur during 20.07.2021 to 24.07. 2021.

Books Published/Chapter in a Book:

1. Dr N Janardhan and Dr. M V S MuraliKrishna published a book titled “Performance of a Semi Adiabatic Diesel Engine Fuelled with Jatropa Bio-diesel”, Chapter 11, Print ISBN: 978-93-5547-480-3, eBook ISBN: 978-93-5547-492-6.
2. Dr.P.Badarinarayana, Dr.Asheesh kumar, Dr.Shantanu kumar das and Dr.S.Narasimha Kumar published a book titled “Hydrogen and storage technologies” by Horizons books ,ISBN No: 978-9391150-12-9
3. P.Ramalakshmi , T Rushyanth and P. Ravinder Reddy, “Estimation of instantaneous shear modulus in neat resin and multi walled nanotube reinforced carbon epoxy composites by finite element analysis ” , “Recent Advances in Computational and Experimental Mechanics, Vol - 1" Book by Springer Nature - Singapore, https://doi.org/10.1007/978-981-16-6738-1_8, online January 1st 2022, pp 97 – 109
4. R. Navaneetha a, , Ch. Indira Priyadarsini a, T. Ratna Reddy, "Study on Corrosion Resistant Materials for Centrifugal Pump Impeller", Print ISBN: 978-93-5547-670-8, eBook ISBN: 978-93-5547-671-5, DOI: 10.9734/bpi/rdst/v5/6135F, DOI: 10.9734/bpi/rdst/v5/6135F, Chapter Published in Research Developments in Science and Technology Vol. 5, May 2022.

Contribution to the outside world:

1. Dr G ChandraMohan Reddy Professor, Department of Mechanical Engineering, CBIT Hyderabad, service rendered as Moderator for IEI Technical Webinar on the theme “Advances in Design & Manufacture of Plastic Injection Moulds” organized by The Institution of Engineers (India), Telangana State Center under the aegis of Production Engineering Division Board on 05/05/2022 from 14:00 hrs to 18:00 hrs
2. Dr G ChandraMohan Reddy - Judge for National Event on Project Expo at National Science day on 28th Feb 2022 organized by MLRIT in Collaboration with AeSI.
3. Dr. P Prabhakar Reddy attended a BoS meeting at MGIT on 27th July 2022
4. .Ipsita Mohanty rendered her services as a member in the panel discussion titled “Entrepreneurship” on world Entrepreneurship Day held virtually during 21-24th August 2021,organized by IIC-CBIT(A) in association with EDC-CBIT(A).

Awards received by the faculty:

1. Dr P Ravinder Reddy received International Scientist Award (HISA 2021) on Engineering, Science and Medicine, 08 Aug. 2021 Pondicherry, India by VDGGOOD Professional Association
2. Dr G ChandraMohan Reddy received Engineer Seva Ratna Award from Engineers Elders Club on 6th Dec 2021 at IEI-TSC from the Chairman, HRC TS.
3. Dr. Rahul received a Best Paper Award under Material Science and Engineering category, for the paper entitled “Effect of Grade 5 Titanium Interlayer on Microstructure and pitting Corrosion Behaviour of AA110/A36 Explosion Welds”, in Material TECH 2022 (Second International Conference on Materials and Technologies), National Institute of Technology Raipur, 28th –29th January, 2022.
4. Dr A Kiran Kumar was awarded INSC Young Researcher Award 2022
5. Dr. P Prabhakar Reddy was nominated as the Convenor, SUDHEE-2022
6. P Surendar Reddy successfully completed all the eight modules of NITTTTR (National Initiative for Technical Teachers Training) and was awarded a certificate from NITTTTR in Sep 2021
7. Dr. Rahul successfully completed all the eight modules of NITTTTR (National Initiative for Technical Teachers Training) and was awarded a certificate from NITTTTR in Sep 2021
8. Mr T.N.Aditya successfully completed all the eight modules of NITTTTR (National Initiative fo Technical Teachers Training) and were awarded a certificate from NITTTTR in March 2022

Other Achievements:

1. An MoU was made with Unacademy on 22.3.2022 which generated an amount of Rs.50000 by the efforts of Dr. N V Srinivasulu

Industry Visits:

1. Dr G ChandraMohan Reddy and Ms P Anjani Devi faculty, MED organized and accompanied 30 Students of Third Year Mechanical Engineering to RenewSys India Pvt Ltd, Fabcity, Tukkuguda on 12th May 2022. The event Coordinated by Dr BVS Rao, MED
2. Dr. BVS Rao and Dr.Ch. Indira Priya Darshni faculty, MED organized and accompanied 60 Students of Third Year Mechanical Engineering to BHEL, RC Puram on 12th May 2022.
3. Dr. BVS Rao, Dr V.V. R. Seshagiri Rao, Dr.Ch. Indira Priya Darshni and Dr R. Peraiah Chowdary faculty, MED organized and accompanied 30 Students of Third Year Mechanical Engineering to RenewSys India Pvt Ltd, Fabcity, Tukkuguda on 13th May 2022.
4. Dr. BVS Rao, Dr. A. Kiran Kumar and Ms. V. Sandhya faculty, MED organized and accompanied 45 Students of Third Year Mechanical and Production Engineering to Pennar Industries Limited, Patancheru on 19th May 2022.
5. Dr. Ashutush Sahu, Smt. D.S. Madhuri and Ms. R Navaneetha faculty, MED organized and accompanied 30 Students of Third Year Mechanical Engineering to Deccan Auto Limited, Patancheru on 19th May 2022.

Academic year 2020-21

- Total 139 number of Research papers were published by various faculty members in National and International Journals from Academic Year 2020-21.
- Total of 22 National/International conferences attended by various faculty members from Academic Year 2020-21.
- Total of 82 seminars/workshops attended by faculty from Academic Year 2020-21.
- Total number of 182 FDP'S attended by all the faculty members from Academic Year 2020-21.
- Total 6 Number of Faculty got Guideship in Osmania University to Guide Ph.D. Scholars recently.

Awards Received:

- Dr. P. Ravinder Reddy, Professor & Director R&D has won International Scientist Award (HISA 2021) on Engineering, Science and Medicine, 26 & 27 Feb. 2021 Hyderabad, India by VDGGOOD Professional Association.
- Dr. N.V Srinivasulu Professor, has got Best Paper Award for the paper entitled "Influences of functionalized multiwalled carbon nano tube on the tensile and flexural properties of okra cellulose nano fibres/Epoxy nano composites" in the International conference on innovations in mechanical engineering (ICIME) on 26th and 27th Feb 2021.
- Dr B.V.SRao, Assistant Professor has published a Patent on Machine Learning based ball throwing Machine on 2nd Oct 2020.
- Dr. P. Ravinder Reddy, Professor & Principal has Participated in Indo American Artificial Heart Program (IAAHP), 25th - 29th January, 2020, on 25th Jan 2020 at AI Hospital, on 26th Jan 2020 at Laxven systems, on 27th Jan 2020 visit to Palampur and Sipra Labs, on 28th Jan 2020 to Vasantha and Karthik moulds, on 29th Jan. 2020 at Lumbini Lakeview, Hyderabad.
- Dr. Md. Aleem Pasha, Associate Professor Department of Mechanical Engineering, has been selected to Organise a 2 WEEKS FDP from AICTE in the Area of Research Methodology and Statistical Data Analysis worth Rs. 4,89,533.
- Dr. Ch. Indira Priyadarsini, Assistant Professor has successfully completed PhD defense from Osmania University and press note was released on 4-9-2020.
- Dr S.Narasimha Kumar, Assistant Professor has published a Patent on CNG/Natural gas kit design for two wheelers on 28/08/20.
- Dr. P. Ravinder Reddy, Professor & Principal has got Best Paper Award for the paper I'd AIP-46 entitled "Numerical Investigation of Cavitating Flows in the Step Nozzle" in the International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2020) organized by Department of Aeronautical & Mechanical engineering, held on 24th & 25th July 2020, MLR Institute of Technology, Hyderabad, Telangana State, India
- Dr. N.V Srinivasulu, Professor Department of Mechanical Engineering, has been selected to Organise a ATAL FDP from AICTE in the Area of Molecular Manufacturing.
- Dr. P. Ravinder Reddy, Professor & Principal has won NATA EXCELLENCE AWARD by North American Telugu Association (NATA) for outstanding services in Engineering on 6th July 2018 at Philadelphia convention centre, Philadelphia, USA and Distinguished leader award by Venus International Foundation for contribution and achievement in discipline of Engineering on 5th Jan 2019
- Dr. P. Ravinder Reddy, Professor & Principal is the Principal Investigator for the Development of the components of Artificial Heart-IndoUSA, in collaboration with Pittsburg University, USA, Cornell University, USA and ShareIndia.
- Dr. Rama Lakshmi won Best Prize in e-poster presentation and Rs. 5000/- cash Award at ADMAT (Advanced Materials and Process for Defense Applications) 2019 Conference Organized by DRDO Hyd, India at Marriott Hotel, Hyd from 23th - 25th September, 2019.