

DEPARTMENT OF MECHANICAL ENGINEERING: VRSEC

FACULTY PUBLICATIONS

AY 2023-24

	SCI Indexed Journals	SCOPUS Indexed			Others	International Conferences
		Journals	Conference Proceedings	Lecture Notes		
No. of Publications	10	16	12	1	8	15

BOOKS/ CHAPTERS IN A BOOK

- 1. Authors:** Dr. B. Ramesh, **Dr. G. Dilli Babu**, Dr. J.V. Sai Prasanna Kumar, Dr. D. Apparao, Dr. P. Prabhu, Dr. S. Gopinath.
Book Name: MANUFACTURING TECHNOLOGY,
Publisher: COSMAS SCIENTIFIC PUBLICATIONS, Published February 1, 2024, Version v1, <https://doi.org/10.5281/zenodo.10606761>.
- 2. Authors:** Alias Paul , **Dr. M. Balaji**, Dr. Sivakumar Karthikeyan, Dr. G Ramya.
Book Name : Design of Machine Elements.
Publisher:Scientific International Publishing House (SIPH), Published on July 2023
ISBN NO: 978-93-5757-252-1.
- 3. Authors:** G. V. Krishna Pradeep, **Dr.M. Balaji**, Vivek Narula, V. Nirmala, I. John Solomon, M. Sudhakar
Chapter Name: Study on Nano Robotic Systems for Industry 4.0: Overcoming Challenges and Shaping Future Developments. DOI: 10.4018/979-8-3693-5767-5.ch017.pages: 242-266. (Chapter 17)
Book Name : [Multidisciplinary Applications of AI Robotics and Autonomous Systems](#), EISBN 13: 9798369357699, June 2024.
Publisher : IGI Global.
- 4. Authors :** **A.N. Phani Deepthi**, A. Krishna Keerthi,
Book Name : “Mechanical Engineers as grieving heirs in India: Journey of Mechanical Engineer from 70’s to now, Kindle edition, June 2024, ISBN 9798329352801.

Lecture Notes:

1. M. Sumalatha, B. Supraja Reddy, M. B. Chennaiah, Shaik Shoaib, V. V. S. Kesava Rao, "Experimental Investigation on Combined ABS and PLA Materials Using 3D Printing FDM Machine", Recent Advances in Mechanical Engineering , Vol2, Lecture notes in Mechanical Engineering, June 2024. **SCOPUS**

International Journals:

1. Srinivas Prasad sanaka, R.K.Sharma, GV Ramana Murthy, K. Durga Rao, "Re-entry vehicle performance analysis under the control of lateral jet", The Aeronautical Journal, August 2023. ISSN : 2059-6464, **SCIE, Q2**.
2. Ethireddy Radhika, Shashi Priya Balmuchu, V. Sridhar, Pamu Dobbidi, " Effect of ZnO on structural and dielectric properties of AlN ceramics", Journal Of Materials Science-Materials In Electronics, 2023 34:1799, ISSN : 0957-4522, **SCIE, 2.8, Q2**.
3. Phani Prasanthi, Haritha Akkineni, V. V. Venu Madhav, Nakul Gupta, Ch. Vidya, Ch. Sri Chaitanya, Kuldeep K. Saxena, Naveenkrishna alla, Rakesh Chandrashekhar, Vinayak Malik, Dilsora Abduvalieva, " Progressive Deformation Analysis in Carbon and Glass Fiber Reereinforced Hybrid Composites Using Finite Element Method", Indian Journal of Engineering & Material Sciences, ISSN: 0971-4588, Vol. 30, December 2023, pp. 757-765 DOI: 10.56042/ijems.v30i6.528, **SCIE, Q3**
4. Satish R More, Jyoti V. Menghani, Akash Vyas, "Effect of Ni Addition on the Metallurgical and Mechanical Properties of WC – 10Co – 4Cr Laser Cladding Surfaces on Mild Steel", Metal Science and Heat Treatment, ISSN : 1573-8973, Volume 65, pages 635–644, (2024) February 2024, <https://doi.org/10.1007/s11041-024-00982-x>, **SCIE, IF 0.6, Q3**
5. Syam Prasad Ammineni, D. Lingaraju, Ch. Nagaraju, " Estimating shelf life and degradation mechanism of nitrile butadiene rubber for viscoelastic dampers", Journal of Elastomers&Plastics, ISSN: 0095-2443,2024, vol 0(0) 1-20, <https://doi.org/10.1177/00952443241243378> , March 2024, **SCIE, IF 1.7 Q3**.
6. Santoshkumar V. Wagh, Satish R. More, V. V. Venu Madhav, Kuldeep K. Saxena, Din Bandhu, B.D.Y. Sunil, Revathi V, Md Irfanul Haque Siddiqui, "Effects of low-power laser hardening on the mechanical and metallurgical properties of biocompatible SAE 420 steel", Journal of Materials Research and Technology, ISSN: 2238-7854, Vol 30, p. 1611-1619, May-June 2024. <http://dx.doi.org/10.1016/j.jmrt.2024.03.153> **SCI, IF 6.2, SCIE, Q1**.
7. S. Srinavasa Prasad, V. Rama Krishna, K. Ramanaiah,"Hydro- acoustic and structural analysis of marine propeller using two way fluid structure interaction", Journal of Marine Science and Tcehnology, ISSN : 1437-8213, Volume 29, pages 418–43 , April 2024, <https://doi.org/10.1007/s00773-024-00996-3> , **SCIE, IF 2.7, Q1**.
8. M. Bala Chennaiah, Abraar, S.A.M., Arun, M. T. Vishnu Vardhan, K. Velusamy, A. Madhan Kumar, S. Gurumoorthy, Ammar H.Elsheh, B. Ramesh, "Development of Biocomposite Food Packaging Coating Material with Silane-treated Nanosilica and Grape Seed Oil Blended Vinyl Ester", *Silicon* (2024),

ISSN : 1876-9918, vol 16, issue 7, June 2024, <https://doi.org/10.1007/s12633-024-03054-0>, **SCIE, IF: 2.5., Q2.**

9. P Phani Prasanthi, T Srinag, Vallabhaneni Venkata Venu Madhav, Manoj Kumar Agrawal, Indradeep Kumar, Kuldeep Kumar Saxena, "Prediction of pipe geometry influenced by various suction pressure", [Indian Journal of Engineering and Materials Sciences \(IJEMS\)](https://doi.org/10.56042/ijems.v31i1.586), ISSN : 0975- 1017, vol 31, No 1, April, 2024, <https://doi.org/10.56042/ijems.v31i1.586>, **SCIE, IF 0.92, Q3.**
10. G. Sulochana, Ch.Venkata Prasad, SK Bhatti, V.V.Venu Madhav, Kuldeep K. Saxena, Muhammad Ijaz Khan, Chander Prakash, Muhammad Imran Khan, "Impact of multi-walled carbon nanotubes (MWCNTs) on hybrid biodiesel blends for cleaner combustion in CI engines", *Energy*, Vol 303, 131911, June 2024, <https://doi.org/10.1016/j.energy.2024.131911>, **SCI, Q1**
11. Venkata Ranga Surya Prasad Alla, Nageswara Rao Medikundu, Prakash Babu Kanakavalli, Vijaya Prakash Ravulapalli, "Design and development of mixed integer programming model for scheduling tasks through artificial intelligence" *International Journal on Interactive Design and Manufacturing*, **September 2023**. ISSN 1955-2505, **SCOPUS, Q2.**
12. T.Srinag , R.Suresh Kumar , CH. Lakshmi Srinivas , Bharat Singh , P. Phani Prasanthi , V. V. Venu Madhav , Din Bandhu , Ashish Saxena , Sherzod Shukhratovich Abdullaev, "Flexural and impact response of bamboo and pineapple leaf fiber reinforced composites using experimental and numerical techniques" *International Journal on Interactive Design and Manufacturing*, ISSN 1955-2505, October 2023, **SCOPUS, Q2.**
13. Sudheer Kumar Veernapu , Nagaraju Cherukuri , K.Venkatrao , "Optimization Of Input Parameters In Rotor Bearing System:Using Taguchy Method And Anova", *Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/Journal of Tianjin University Science and Technology* , ISSN(Online):0493-2137 , E-Publication:Online Open Access , Vol: 56 , Issue: 10:2023 , DOI:10.5281/zenodo.8433559, October 2023, **SCOPUS, Q2.**
14. Srinivas Prasad sanaka, Ramanaiah Kandula, Balajee Landa, Bala Manikanta Chittineni, Dhanya Lahari Gandham, G. Naga Srinivasulu. "Parametric Analysis on PEM Fuel Cell for Mobility Applications." 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA), pp. 625-630. IEEE, October 2023, <https://doi.org/10.1109/ICIDeA59866.2023.10295235>, **SCOPUS**
15. Srinivas Prasad Sanaka, Ramanaiah Kandula, NVS Sainath Garikapati, Balaji Chinatada, Ameer Mahamad, and Ganesh Gaddam. "Transient Thermal Analysis on Li-ion Battery Pack used for Evs using Comsol." 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA), pp. 639-644. IEEE, October 2023, <https://doi.org/10.1109/ICIDeA59866.2023.10295222>, **SCOPUS.**
16. Vemuloori Vasu, G. Naga Srinivasulu, K. Nagamalleswara Rao, " Experimental study on Active Direct Methanol Fuel Cell (ADMFC) performance with and without porous layer at anode", *International Journal of Ambient energy*, ISSN 2162-8246, November 2023, **SCOPUS, Q2**
17. P. V. Nandankar, M. Balaji, P. Hemachandu, S. Cheerla, M. K. Pradhan and A.

- P. Dabral, "Implementation of the Tapered Fiber Sensor, for Measuring Failures Induced by Vibration in Rotary Electric Motors Using the ANSYS Simulator," *2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)*, Salem, India, 2023, pp. 1722-1728, doi: 10.1109/ICPCSN58827.2023.00289., **SCOPUS**
18. Ch .Hari krishnah, Ch Nagaraju, N. Malleswararao Battina, Obula reddy Kummitha, "Hardness prediction in the upsetting process of Al% ZrO₂—an approach to machine learning using regression and classification models." *Transactions of the Canadian Society for Mechanical Engineering*, ISSN : 0315-8977, November 2023, <https://doi.org/10.1139/tcsme-2023-0063>, **SCOPUS, Q3**.
 19. G. Jamuna Rani, Chaitanya Sai Teja Konda, Srivalli Gollamudi, and Naveen Babu Lakshmipuram, "Development of Organic Reinforcement Composite Materials for Brake Pads", No. 2023-28-0069. SAE Technical Paper, ISSN: 0148-7191, November 2023, <https://doi.org/10.4271/2023-28-0069>, **SCOPUS, Q3**
 20. Praveen Anchupogu, Krupakaran, R. L., G. Jamuna Rani, Ratna Kumari Petla, "Performance Emission Parameters Behavior of a DI Diesel Engine Using Al₂O₃ and TiO₂ Nano Additive Biodiesel Blends", (No. 2023-28-0127). SAE Technical Paper , ISSN: 0148-7191, November 2023, **SCOPUS, Q3**
 21. R. L .Krupakaran, Ratna Kamala Petla, Praveen Anchupogu, Vidyasagar Reddy Gangula, Jamuna Rani Ganipineni, and Raghurami Reddy Doddipalli, "Experimental Investigations on NO_x Reduction Using Antioxidant Additives in Conjunction with SCR in a Diesel Engine Powered by Ricinus Communis Biodiesel", No. 2023-28-0059. SAE Technical Paper, ISSN: 0148-7191, November 2023, **SCOPUS, Q3**
 22. Phani Prasanthi , Ch Mohan Sumanth, VV Venu Madhav, Bharat Singh, Kuldeep K. Saxena, C. Labesh Kumar, Vinayak Malik, Ch Sri Chaitanya, and Sherzod Shukhratovich Abdullaev. "Modelling and mechanical properties evaluation for lap joint of natural composites using finite element method." *International Journal on Interactive Design and Manufacturing (IJIDeM)* (2023): 1-12. ISSN: 1955-2505 (2023): 1-1, November 2023, **SCOPUS, Q2**
 23. Vezhavendhan, R., Prakash Babu Kanakavalli, Sri Harsha Arigela, A. Chandrashekhar, R. Sathish, Sanjeev Kumar Joshi, And J. Samson Isaac. "Nanofluids In Production Of Sustainable Biofuels And Bioplastics." *Oxidation Communications* ISSN : 0209-4541, 46, no. 2 (2023), PP 499-508, **SCOPUS, Q4**
 24. P.Phani Prasanthi, V. Raghavender, V. V. Venu Madhav, Pankaj Sonia, Ch Sri Chaitanya, Din Bandhu, Ashish Saxena, and Sherzod Shukhratovich Abdullaev. "Experimental and simulation study for mechanical properties characterisation of green natural reinforced composites." *International Journal on Interactive Design and Manufacturing (IJIDeM)* ISSN: 1955-2505 (2023): 1-1, December 2023. **SCOPUS, Q2**.

25. Sanat Das, Prakash Babu Kanakavalli, Sreevardhan Cheerla, Sujubili Narzary, Priyanko Protim Gohain, Kunal Chakraborty, Samrat Paul, "Electron Transport Layer Material Optimization for Cs₂AgBiBr₆ Based Solar Cell Using SCAPS", Journal of Nano- and Electronic Physics, ISSN: 2077-6772, volume 16, No 2, March 2024. **SCOPUS**, Q4
26. M. Peeraiah, K. Nagamalleswara Rao, B. Blakrishna, "Experimental Investigation for Enhancement of Heat Transfer Coefficient in Car Radiator by Using Multiwall Carbon Nanotube (MWCNT) Nanofluid", Automotive experiences, ISSN : 2615-6636, Vol 7, No 1, , <https://doi.org/10.31603/ae.10455>, March 2024 **SCOPUS**, Q4
27. P.Phani Prasanthi, MSR Niranjana Kumar, V. V. Venu Madhav, "Fabrication of natural fiber-mixed natural matrix composite-infused indoor air purifier with health impact simulation, [Innovation and Emerging Technologies](#), ISSN:2737-5994, [Vol. 11, 2440005 \(2024\)](#), special issue, <https://doi.org/10.1142/S273759942440005X>, March 2024, **ESCI**.
28. P.Phani Prasanthi, Koteswara Rao. U, V. V. Venu Madhav , B. Kiran Kumar, "Effect of tapered natural fiber on elastic properties of sisal fiber-reinforced composite: An experimental and micromechanics approach", [Innovation and Emerging Technologies](#), ISSN:2737-5994, [Vol. 11, 2440006 \(2024\)](#), <https://doi.org/10.1142/S2737599424400061>, March 2024, **ESCI**.
29. M.Balaji, R.Naveen, GVM Abhiram, MD Irshad,"Making Natural Adsorbent using Banana trunk for Treatment of Dye effluent", YMER, ISSN : 0044-0477, Vol 22, issue 8, August 2023.
30. G. Sulochana, Venkata Prasad Ch, T. Koteswara rao, SK. Bhatti, " Fabrication and Evaluation of Mechanical properties of Jute and Coconut Coir Reinforced Polymer Matrix", International journal of analytical and experimental modal analysis, ISSN NO : 0886-9367, Volume XV, Issue II, December 2023.
31. D. Akhil, A. Naveen Kumar, M. Chaitanya Krishna, A. Meenamrutha Meghana, V. Vasu, " Experimental investigation of drying times of garments during cold weather conditions", YMER, ISSN : 0044-0477, vol 23, Issue 01, PP 1013-1027, Jan 2024.
32. Ramya Ch, Sai keerthi. Ch, V. Balakrishna Murthy, "Micromechanical Analysis of GFRP Composite with Micro-Level Defects", Materials Science Forum, ISSN: 1662-9752, Vol 1112, PP 49-63, <https://doi.org/10.4028/p-YO2a2V>, Feb 2024.
33. G. Sulochana, Venkata Prasad Ch, Y.Suvarna Kumar, SK. Bhatti, " The effect of performance on Four-stroke single cylinder Diesel Engine with hybrid biodiesel", International journal of analytical and experimental modal analysis, ISSN NO : 0886-9367, Volume XVI, Issue III, March 2024.
34. M. Peeraiah, K. Nagamalleswara Rao, B. Blakrishna,, "Convective heat transfer by nanofluid jet impingement cooling on automobile radiator with nozzle plate spacing", Vietnam journal of science, technology and Engineering, ISSN : 2615-9937, vol 66, no-2, [https://doi.org/10.31276/VJSTE.66\(2\).10-18](https://doi.org/10.31276/VJSTE.66(2).10-18), June 2024.

Conference Proceedings

1. Guruswamy Dilli Babu, Mallapuram Bala Chennaiah, Dooba Siva Sankar, Kondapalli Sivaji Babu, "Experimental investigation and optimization of IRB6700 ABB robot spot welding process parameters", Materials Today: Proceedings, ISSN: 2214-7853, Available online 7 July 2023, ISSN: 2214-7853, **SCOPUS, Q3**.
2. Syam Prasad Ammineni, D. Lingaraju, Ch. Nagaraju," Aginig Characterization and degradation of Nitrile Butadiene Rubber for viscoelastic damping applications , Materials Today: Proceedings, ISSN: 2214-7853, Available online August 2023, **SCOPUS,Q3**.
3. N. Ravi Kumar, P. Geetha Satya sai sree, "Evaluation of tribological properties of aluminum 5154 /SiC/ TiB₂ metal matrix composites", Materials Today: Proceedings , ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2023.09.090>, September 2023, **SCOPUS, Q3**.
4. K. Siva Prasad, G. Chaitanya "Influence of abrasive water jet machining process parameters on accuracy of hole dimensions in glass fiber reinforced polymer composites"Materials Today proceedings, ISSN: 2214-7853, **SCOPUS, October 2023, Q3**.
5. Medikondur, N. R., V. Sankara Rao, Jaya Raju Gandepudi, K. Prakash Babu, A. Harsha, and B. V. Dharmendra. "Improve the performance of complex system through artificial intelligence." In *AIP Conference Proceedings*, vol. 2821, no. 1. AIP Publishing, ISSN: 0094-243X , November 2023, <https://doi.org/10.1063/5.0158471>, **SCOPUS, Q4**.
6. Harsha, A., Mohammad Arshad, V. Sankara Rao, K. Prakash Babu, N. R. Medikondur, and B. V. Dharmendra. "Data mining application in task scheduling system." In *AIP Conference Proceedings*, vol. 2821, no. 1. 070013, AIP Publishing, ISSN: 0094-243X, November, 2023, <https://doi.org/10.1063/5.0158472>, **SCOPUS, Q4**.
7. A. Sri Harsha, P. Vijaya Kumar, Arumalla Nagaraju, K. Prakash Babu, N. R. Medikondur, and B. V. Dharmendra. "Mining knowledge for NP-complete scheduling problems." In *AIP Conference Proceedings*, vol. 2821, no. 1. 070014, AIP Publishing, ISSN: 0094-243X, November, 2023, <https://doi.org/10.1063/5.0158474>, **SCOPUS, Q4**.
8. N. R. Medikondur, Olive Meduri, K. Prakash Babu, Kona Ram Prasad, A. Harsha, and B. V. Dharmendra. "A data mining based heuristic algorithm implementation for intelligence system." In *AIP Conference Proceedings*, vol. 2821, no. 1. 070015, AIP Publishing, ISSN: 0094-243X, November, 2023, <https://doi.org/10.1063/5.0158475>, **SCOPUS., Q4**.
9. Medikondur, N. R., Kona Ram Prasad, Olive Meduri, K. Prakash Babu, A. Harsha, and B. V. Dharmendra. "Data mining-based prediction for operational completion time and mean flow time." In *AIP Conference Proceedings*, vol. 2821, no. 1. AIP Publishing, ISSN: 0094-243X, November 2023, <https://doi.org/10.1063/5.0158476>, **SCOPUS, Q4**.

10. Srinivas Prasad Sanaka, N. Pardhasaradhi, K. Durga Rao, and Sravani Vemuri. "Analysis on structural and acoustic response of marine propeller." In *AIP Conference Proceedings*, vol. 3006, no. 1. AIP Publishing, ISSN: 0094-243X, December, 2023, <https://doi.org/10.1063/5.0186097>, SCOPUS, Q4.
11. Ramanaiah, K., Srinivas Prasad Sanaka, Chilaka Moses Aravind, and K. Hemachandra Reddy. "Experimental and numerical investigation of sustainable thermal insulation competence of natural fiber reinforced composite." In *AIP Conference Proceedings*, vol. 3006, no. 1. AIP Publishing, ISSN: 0094-243X, December, 2023, <https://doi.org/10.1063/5.0186081>, SCOPUS, Q4.
12. R, Narasimha Rao, and Sri Chaitanya Ch. "Topology Optimization of the Bell Crank Lever." In *2nd Australian International Conference on Industrial Engineering and Operations Management*. 2023, <https://doi.org/10.46254/AU02.20230071>.

International Conferences:

1. Supraja Reddy.B, Sumalatha.M, Ram Gopal Reddy. B, Avinash.P, Yeshurun.P, “ Experimental Investigation of Mechanical and Metallurgical Properties on Aluminum (AA3003-H14) and Mild Steel (St 52) Friction Stir Welded Joints”, Recent advances in Sustainable materials (GC-RASM 2023), 27-28, July 2023, Namakkai, Tamil Naidu, India.
2. Mallipuram Bala Chennaiah, A.Meenaamurtha Meghana, “Investigation on microstructural influence and synergistic effect of zinc and magnesium nanoparticles on mechanical properties of AL6063-T6”, 29th international Conference on processing and fabrication of advanced materials, 6th-8th September 2023, IIT Tirupathi, India.
3. Sai Kumar. T, Balakrishna Murthy. V, Ramesh Babu. A, “ Static and Buckling Analysis of FRP Composite Shell for Underwater Application” fourth international conference on Emerging research in Civil, aeronautical and Mechanical Engineering , organized by Nitte Meenakshi institute of Technology, Bengaluru, on 22nd-23rd September 2023.
4. Srinivas Prasad Sanaka , Ramanaiah Kandula , N V S Sainath Garikapati, Balaji Chinatada , Ameer Mahamad, Ganesh Gaddam, “Transient thermal analysis on Li-ion battery pack used for Evs using Comsol” 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA 2023)” organized by Electrical Engineering Department, NIT Manipur in association with IEEE Student Branch, NIT Manipur on 29th - 30th Sep 2023.
5. Srinivas Prasad Sanaka, Ramanaiah Kandula, Balajee Landa, Bala Manikanta Chittineni , Dhanya Lahari Gandham, Naga Srinivasulu G, “Parametric analysis on PEM fuel cell for mobility applications”, 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA 2023)” organized by Electrical Engineering Department, NIT Manipur in association with IEEE Student Branch, NIT Manipur on 29th - 30th Sep 2023.

6. VV Venu Madhav, Ch Sri Chaitanya, P Phani Prasanthi, AVSSKS Gupta and VV Spandana , "Influence Of Biofiber Reinforcement Materials On The Mechanical Strength Of The Hybrid Composite Materials" 8th European Congress on Advanced Nanotechnology and Nanomaterials,organized by Coalesce Research group, London, UK, October 12th-13th 2023.
7. Koteswara Rao .U, Bangaru Babu P, Nagaraju Ch, Anil Kumar P, “ Passive vibration control of structures by shape modification based on mode shape patterns”, 3rd international conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2023), Organized by Birla Institute of Technology & Science, Pilani, Dubai, UAE, November 20-23, 2023.
8. K. Ramanaiah, A.V. Ratna Prasad, K. HemaChandara Reddy, R. Surendra “3 D printed natural fiber reinforced composites for automotive applications”. 5 th International Conference on Processing and Characterization of Materials (ICPCM 2023) organized by Department of Metallurgical and materials Engineering, NIT Rourkela , 08-10th December, 2023.
9. K. Ramanaiah, A.V. Ratna Prasad, K. HemaChandara Reddy, K.Rahul Kumar, M.Sasi Kiran, S.Surya, K.Mohan Raju “Development of 3 D printed wood-polylactic acid composite materials for acoustic and thermal insulation automotive industry applications”. 5 th International Conference on Processing and Characterization of Materials (ICPCM 2023) organized by Department of Metallurgical and materials Engineering, NIT Rourkela , 08-10th December, 2023
10. Aparna G, V. Sudheer Kumar, Sireesha K, V MSarvanaperumal, CS Nivedha, Rajaneesh Kumar Koushal, “ Automatic and efficient sound-based Early fault detection for vehicles based on stacked GRU and LSTM”, International conference on Computer communication and informatics(ICCCI), organized by Sri Shakthi Institute of Engineering and Technology,Coimbatore, 29th to 31st January 2024.
11. Ramanaiah .K, Durga Devi .G, Ratna Prasad. A.V., Hemachandra Reddy, “ Development of an Eco-Friendly, Sustainable 3D Printed Composite Material for Material for Energy Saving Applications”, International Conference on Trends in Chemical, Energy, and Environmental Engineering ChemEEE-2024, organised by Department of Chemical Engineering, Indian Institute of Petroleum and Energy, Visakhapatnam, 19th -21st February 2024.
12. K. Ramanaiah, A. V. Ratna Prasad, K. Hemachandra Reddy, “ Development of sustainable eco-friendly composites for thermal insulation applications from agricultural waste” International Conference on Eco-friendly Fibers and Polymeric Materials- EFPM (Hybrid Mode), organized by KMUTNB university, Bangkok, Thailand, 19th-20th February 2024.
13. K. Siva Prasad, G. Chaitanya, “Analysis of drilling parameters during drilling of GFRP composites using Taguchi Technique”, 5th International conference on Advances in Mechanical Engineering (ICAME 2024)”, Organized by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Tamilnadu, 20th-22nd March 2024.
14. Umanesan R, V,Bapi Raju, V. Sudheer Kumar, Swapnapil Shukla, Surrya Prakash Dillibabu, Venkata Ramana.K, “ A CNN-CLSTM Approach for condition

monitoring and fault diagnosis of Induction motor in Manufacturing”, International Conference on Advanced Data-Driven Intelligence and Engineering, Organized by JAIN deemed to be university, Karnataka, March 7th-9th 2024.

15. T. Hari Krishna, Sagar Chandu B, K Mamatha, Bharanidharan R, Deepak Asrani, Ratan Rajan Srivastava, “ Prediction and optimization of life insurance prediction based on FEA and ANN Hybrid”, International Conference on Electronics communication computing and control Technology (ICECCC 2024) hosted by Department of Electronics and communications Engineering, CMR Institute of Technology, Bengaluru, 2nd and 3rd May 2024.