Name of Faculty	Dr. P RAMA LAKSHMI
Designation	Assistant Professor
Nature of Job/Appointment	Regular
Date of Joining	26-02-2014
E-mail	pramalakshmi_mech@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (MECH)	Awarded
PG	M. E (FEA & Fracture Mechanics)	First
UG	B. E. (MECH)	First

Work Experience

Teaching	18 Years
Research	16 years
Industry	--
Others	--

Area of Specialization	Composite materials, Finite element analysis and Fracture Mechanics
Professional Memberships	• Life Member of Indian Society for Technical Education, LM 48331 • Life Member at InSIS - Indian Structural Integrity Society
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Member Board of Studies 2. Course Co-ordinator for ME (CAD/CAM) (2012 – 2021) 3. Mentor for B.E (Mechanical Engg) , Section – 2
Research Guidance	Sanction is accorded by Faculty of Mechanical Engineering at Osmania University to guide Ph.D research scholars
Awards Received	Awarded Best E-poster at International Conference on Advanced Materials and Processes for Defence Applications organized by DMRL (DRDO) , September 23-25, 2019
Courses Handled at Under Graduate / Post Graduate Level.	Under Graduate level - CAD/CAM Theory and Lab, Finite Element Analysis, Computer Aided Engineering Lab, Nano Materials and Technology, Mechatronics and Automation, Robotics and Drones Lab Post Graduate Level – Failure Analysis and Design, Computational Lab
No. of Papers Published	National Journals – 1 International Journals –14 National Conference – 4 International Conference – 9
Projects Carried out	Principal Investigator in TEQIP project entitled " Estimation of interlaminar shear strength and damage factor in glass epoxy composites"
Patents	--
Technology Transfer	--
Invited Speaker	--

No. of Books/Chapter Published with details	1. 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 – I, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-16-6738-1_8, Springer Nature Singapore January 2022. Page 97 -109. 2. “Estimation of fracture behavior in carbon epoxy and CNT reinforced carbon epoxy composites” is published by Archers and Elevators publishing house, Bengaluru with ISBN number 978-93-88805-42-1, 2019
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended and/or Organized**).	1. Attended one week online FDP on “Quality education through OBE” organized by CBIT and IEEE student chapter from 22.01.2024 to 27.01.2024 2. Attended AICTE – ATAL FDP on IoT and Sensor Design for Industry 5.0, organized by Department of Mechanical Engineering at CBIT (A), from 18.12.2023 to 23.12.2023 3. Participated in the Five-Days National Workshop (Virtual Mode) on 3D Printing: State-of-Art and Future Prospects (3DP-2023), organized by the Department of Mechanical Engineering, National Institute of Technology Rourkela, Odisha-769008,during 15-19 July, 2023 4. Participated in Additive manufacturing in medical and emerging applications, by Vasavi College of Engineering, from 27.01.2021 to 02.02.2022 5. Participated in one day webinar on “Polygeneration an Innovative Method for Energy and Power Generation” , by MED, CBIT , 13th November 2021. 6. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Molecular Manufacturing" from 2020-10-19 to 2020-10-23 at Chaitanya Bharathi Institute of Technology 7. Participated in Faculty Development Programme (online mode) on "Recent Trends In Advanced Materials Science and Engineering Technology (RTAMSET-21)" organized by Department of Chemistry, Chaitanya Bharathi Institute of Technology (Autonomous) during 8th to 12th March 2021 8. Participated in Outcome Based Education and NBA Accreditation Process – UG, In house , 28th May to 1st June 2020 9. Participated in Recent Advances in Material Characterization, NITTTR,Chandigarh, 23rd to 28th May 2020 10. Successfully completed 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' by IIT Bombay BodhiTree platform, 17th May 2020 11. Participated in ANSYS Webinar Series on Engineering simulation in Association with AICTE, 29th April to 11th May 2020 12. Participated in IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 13. Participated in one day workshop on “Significance of MATLAB in Applications of Emerging Technologies”, EEE, CBIT on 26th June 2019 14. Successfully completed 5 day online STTP on NBA Accreditation (ICT 01) through ICT mode, CBIT in association with NITTR, Kolkata from 22/04/2019 to 26/04/2019

Details of Journal Publications/ Conferences (National and International)

International Journal

1. **Pullela Ramalakshmi**, Pinninti Ravinder Reddy and Nakshatram Sarthak, "Finite element analysis on MWNT reinforced S – glass composite", Materials Today: Proceedings, Volume 56, Part 3, 2022, Page 1364 – 1368, https://doi.org/10.1016/j.matpr.2021.11.427
2. 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
3. Pullela Ramalakshmi and Kandaloju Akhil, "**Estimation of ILSS in Neat Resin and CNT Reinforced S Glass Composites by Finite Element Analysis",** Journal of Materials Science and Engineering A, 2019, DOI:10.17265/2161-6213/2019.7-8.002
4. P RamaLakshmi, P Anjani Devi, P Ravinder Reddy, K Yamuna and Y Bharathi , "Estimation of interlaminar shear strength in glass epoxy composites by experimental and finite element method", Journal of Physics:Conference Series, Volume 1240, 2019, Published under licence by IOP Publishing Ltd

International Conference

1. **Pullela Ramalakshmi**, T V Vikramaditya and P Ravinder Reddy, "Predicting the interfacial shear modulus in multi – walled carbon nanotube anchored carbon epoxy composite by finite element analysis" is presented at SICE 2022, IIT Hyderabad, December 14 – 16, 2022, Page 96

2. **Pullela Ramalakshmi** and Nakshatram Sarthak "Effect of notch separation on Instantaneous Shear Modulus in Neat and CNT Reinforced S – Glass Epoxy Composites by Finite Element Analysis", abstract is selected at First International Conference on Advances in Mechanical Engineering and Material Science ICAMEMS – January 22 – 24 , 2022
3. **P.Ramalakshmi,** K.Sashikant and P.Ravinder Reddy, ""Prediction of Instantaneous Shear Modulus in Neat and Multi-Walled Carbon-Nanotube Reinforced E-Glass Epoxy Composites by Finite Element Analysis" presented at 1st International Conference on Developments in Sustainable Materials Manufacturing and Energy Engineering organized by Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana, India ,April 3 – 4 ,2021, Page 279 to 285 , (ICDSME-2021)
4. **P Ramalakshmi** and T Rushyanth, "Estimation of instantaneous shear modulus in neat resin and multi walled nanotube reinforced carbon epoxy composites by finite element analysis" , 1 st Online International Conference on Recent Advances in Computational and Experimental Mechanics, IIT Kharagpur, West Bengal , India , September 4 – 6 , 2020, Page133 -134, ISBN 978-93-5416-440-8 ISBN 978-93-5416-440-8 (eBook)
5. **P.Ramalakshmi** and K.Akhil, "Estimation of ILSS in neat resin and CNT reinforced S glass composites by finite element analysis " Page 78, International Conference on Advanced Materials and Processes for Defense Applications organized by Defence Metallurgical Research Laboratory, Hyderabad ,India (DRDO), Hyderabad , Telangana , India , September 23 – 25 , 2019
6. **P Ramalakshmi**, P Anjani Devi, P Ravinder Reddy, K Yamuna and Y Bharathi , "Estimation of interlaminar shear strength in glass epoxy composites by experimental and finite element method", 2nd International Conference on New Frontiers in Engineering Science & Technology , organized by Department of Mechanical Engineering, NIT Kurushetra, Haryana, February 18 – 22 , 2019

National Conference

1. **Pullela Ramalakshmi,** Kongari Akshaya and Pinninti Ravinder Reddy, "Predicting the shear properties in S – glass epoxy composite by finite element analysis" Proceedings of the 5th ISSE National Conference (INAC -05) on Systems Approach for Self-Reliance in Advanced Technologies (SASAT-2023), organized by DRDO, ISRO and College of Engineering, Osmania University, Hyderabad, March 24 – 25 , 2023 , ISBN - 978-93-95038-50-8 , https://doi.org/10.37285/bsp.sasat2023.39 , Page 355 - 361

RESEARCH DAY – CBIT

1. **P.Rama Lakshmi,** B Nagamani, P.Rajesh and A.Rachana , "Prediction of damage factor in glass epoxy composites by finite element analysis" ,is presented at 5th Research Day organized by CBIT on 18.11.2023