

Name of Faculty Dr. P RAMA LAKSHMI  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 26-02-2014  
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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	14 Years
Research	12 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

Responsibilities held at Institution Level --

Responsibilities held at Department Level  
 1. Member Board of Studies  
 2. Course Co-ordinator for ME (CAD/CAM)

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  
 Post Graduate Level – Failure Analysis and Design, Computational Lab

No. of Papers Published  
 National Journals – 1 International Journals –14  
 National Conference – 3 International Conference – 8

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,

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. 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
2. 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 8<sup>th</sup> to 12<sup>th</sup> March 2021
3. Participated in Outcome Based Education and NBA Accreditation Process – UG, In house , 28<sup>th</sup> May to 1<sup>st</sup> June 2020
4. Participated in Recent Advances in Material Characterization, NITTTTR, Chandigarh, 23<sup>rd</sup> to 28<sup>th</sup> May 2020
5. Successfully completed 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' by IIT Bombay BodhiTree platform, 17<sup>th</sup> May 2020
6. Participated in ANSYS Webinar Series on Engineering simulation in Association with AICTE, 29<sup>th</sup> April to 11<sup>th</sup> May 2020
7. 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 28<sup>th</sup> April to 22<sup>nd</sup> May 2020
8. Participated in one day workshop on "Significance of MATLAB in Applications of Emerging Technologies", EEE, CBIT on 26<sup>th</sup> June 2019
9. 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. Pallela 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>
2. Pallela 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
3. 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. Pallela 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
2. 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 1<sup>st</sup> 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)

3. 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)
4. 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
5. 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", 2<sup>nd</sup> International Conference on New Frontiers in Engineering Science & Technology , organized by Department of Mechanical Engineering, NIT Kurushetra, Haryana, February 18 – 22 , 2019



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