

## Profile

Dr,P.Snehalatha Associate Professor Department of Mechanical Engineering School of Engineering and Technology Sri Padmavati MahilaVisvavidyalayam Tirupati – 517502	Contact: +91 8328362263 Email: snehamtech@gmail.com	
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### Academic Qualifications:

Class	Board/University	Year of Passing	Specialization/Area
Ph.D.	Acharya Nagarjuna University, Guntur	2018	Composite Materials
M.Tech.	Bapatla Engineering College	2008	CAD/CAM
B.Tech.	Bapatla Engineering College	2004	Mechanical Engineering

<b>Ph. D Thesis Title:</b>	<b>EVALUATION OF MECHANICAL AND EROSION PROPERTIES OF CERAMIC FILLERS BAMBOO-GLASS FIBER REINFORCED POLYMER COMPOSITES</b>
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**Total Experience:** 12 + years

Organization	Position	From	To	No. of Years
Sri Padmavati MahilaVisvavidyalayam, Tirupati	Associate Professor	June 2018	Till date	2
Eswar College of Engineering, NarasaraoPet	Associate Professor	December 2014	June 2018	4
St. Ann's College of Engineering & Technology, Chirala	Assistant Professor	December 2008	November 2014	6

**List of Subjects Taught:**

METALLURGY& MATERIAL SCIENCE  
CAD/CAM  
MACHINE DRAWING  
OPERATIONS RESEARCH  
PRODUCTION PLANNING AND CONTROL  
METROLOGY  
MACHINE TOOLS  
INDUSTRIAL ROBOTICS  
ENGINEERING GRAPHICS.

**Areas of Research Interest:**

Composites, Metal Matrix Composites, Nano materials, Tribology and Polymer Composites.

**Number of Ph.D scholars Registered : Nil**

**Number of PG Projects Guided : 03**

**Number of UG Projects Guided : 08**

**Faculty Research Publications:**

1. K. Mohan<sup>1</sup>, P.Sneha latha<sup>2</sup>, P.Aravinda keerthi<sup>3</sup>, P.Vindya<sup>4</sup> (2020), **“Enhancing tool life and surface finish by supplying cool air in dry machining of MS and AISI-202”**, International Journal of Mechanical and Production, Engineering Research and Development (IJMPERD), ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 10, Issue 3, Jun 2020, 1693–1700.
2. P. Vindhya<sup>1</sup>, P. Aravinda Keerthi<sup>2</sup>, P. Snehalatha<sup>3</sup> & K. Mohan<sup>4</sup> (2020), **“ Performance Analysis of Diesel engine with waste cooking oil And SC5D additive”**, International Journal of Mechanical and Production, Engineering Research and Development (IJMPERD), ISSN(P): 2249–6890; ISSN(E): 2249–8001, Vol. 10, Issue 3, Jun 2020, 1693–1700.
3. Prasanna Nagasai Bellamkonda a\* , Manjula Pavalla b , V. Vana Kiran Kumar c , Snehalatha Pulivarthi d, (2019) **“Titanium Diboride Reinforced Aluminium Metal Matrix Composites”**: A Review Paper. UGC CARE JOURNAL

4. **Latha, P. S., Rao, M. V.,(2017) “Investigation into Effect Of Ceramic Fillers on Mechanical and Tribological Properties of Bamboo-Glass Hybrid Fiber Reinforced Polymer Composite”, SILICON (SPRINGER). (SCI INDEXED).**
5. **Latha, P. S., Rao, M. V., (2017), “Erosion Wear Behavior of Bamboo-Glass Hybrid Fiber Reinforced Polymer”, International Journal of Innovative Research in Science, Engineering and Technology Vol. 6, Issue 2, February 2017 , (An ISO 3297: 2007 Certified Organization) .(IJIRSET)**
6. **Latha, P. S., Rao, M. V., (2017) “Comparison of Mechanical Properties of The ZrO<sub>2</sub> and TiO<sub>2</sub> Filler Epoxy Composite”, International Research Journal of Engineering and Technology (IRJET), ISSN: 2395 -0056 Volume: 04 Issue: 01 Jan -2017 -ISSN: 2395-0072. Page 1086.**
7. **Latha, P. S., Rao, M. V., Kumar, V. K.,(2016), “ Study The Effect Of ZrO<sub>2</sub> Filler Addition on Tensile and Flexural Properties of Bamboo-Glass Hybrid Epoxy Composite”, International Journal Of Advanced Research In Engineering Technology & Sciences, ISSN: 2394-2819.**
8. **Latha, P. S., Rao, M. V., Kumar, V. K., & Ojha, S. (2016), “Evaluation of Mechanical and Tribological Properties of Bamboo–Glass Hybrid Fiber Reinforced Polymer Composite”., *Journal Of Industrial Textiles*, Vol. 46 No. 1 3-18. (SCI JOURNAL)**

**List of Conferences attended:**

1. **Latha, P. S., Rao, M. V., Kumar, V. K., “Evaluation of Tribological Properties Of Bamboo–Glass Hybrid Fiber Reinforced Polymer Composite” PES University, Bangalore, National Tribology Conference (NTC-2014).**
2. **Latha, P. S., Rao, M. V., Kumar, V. K., “Investigation into Tribological Properties Of Bamboo–Glass Hybrid Fiber Reinforced Polymer” Mallareddy College Of Engineering And Technology, Hyderabad, International Conference On Emerging Technologies In Mechanical Sciences, 2015.**
3. **Latha, P. S., Rao, M. V., Kumar, V. K., “Study Of Environmental Effect on Mechanical Properties of TiO<sub>2</sub> and ZrO<sub>2</sub> Composites” Madanapalle Institute of Technology & Science, Madanapally, National Conference On Innovations In Mechanical Engineering (NCIME’15).**
4. **Latha, P. S., Rao, M. V., Kumar, V. K., “Effect of TiO<sub>2</sub> Filler on Tribological Properties of Bamboo- Glass Hybrid Fiber Reinforced Polymer Composites”,**

National Institute Of Technology, (NIT) Jalandar. An International Conference on Redefining Textiles Cutting Edge Technology of The Future, 2016.

5. K.Mohan1, **P.Sneha latha2**, “Enhancing tool life and surface finish by supplying cool air in dry machining of MS and AISI-202”, Two Day National Conference on Recent Advances in Mechanical Engineering–2020 (NCRAME – 2020).

#### **Achievements:**

- Received **BHARAT VIKAS AWARD** from **INSTITUTE OF SELF RELIANCE** at BHUBANESWAR, ODISHA, for Outstanding performance in the field of COMPOSITE MATERIALS, on the Occasion of National seminar Diversity of Culture and Social Environment, 19<sup>th</sup> November,2017.
- Ratified twice as an Asst. professor by the JNTU Kakinada.
- Got NPTEL Certificate with ELITE in the field of Introduction to Composites.

**No.of Webinars Attended :20**

#### **List of Events (Seminars/Workshops/FDPs/Training Programs/...) attended:**

1. Attended **Quality Improvement Programme** on “**STUDENT EVALUTION**” by **NITTTR, Chennai** at **St. Ann’s College of Engineering and Technology, Chirala**.
2. Attended **Quality Improvement Programme** on “**INSTRUCTIONAL DESIGN AND DELIVERY SYSTEM**” by **NITTTR, Chennai** at **St. Ann’s College of Engineering and Technology, Chirala**.
3. Attended short term programme on “**Lesson Planning, Learning and Teaching in Engineering Education**” by **Research & Development Cell** at **St. Ann’s College of Engineering and Technology, Chirala**.
4. Attended One Day **National Level Seminar** on “**Non Conventional Energy Sources-REENERGY-2K10**” at **St. Ann’s College of Engineering and Technology, Chirala**.
5. Attended One Week **Faculty Development Programme** on “**Recent Innovations in Automobile Engineering**” organized by **Department of Mechanical Engineering** at **Narasaraopet Engineering College, Narasaraopet, Guntur(dt)**.
6. Attended One Week **Faculty Development Programme** on “**Learning Process & Learning Styles**” jointly organized by **Departments Computer Science**

**Engineering and Electronics & Communication Engineering at Narasaraopet Engineering College, Narasaraopet, Guntur (dt).**

7. **Attended One Week Faculty Development Programme on “Finite Element Analysis and its Applications using ANSYS” organized by Department of Mechanical Engineering at Narasaraopet Engineering College, Narasaraopet, Guntur(dt).**
8. **Conducted One Week Faculty Development Programme on Research Methodology and Technical Paper Writing as a Convener at Eswar College Of Engineering, Narasaraopet.**
9. **Attended Two Week Faculty Development Programme on “APPLIED ROBOTIC CONTROL LAB 1.0” organized by. APSSDC & EUROPEAN CENTRE FOR MECHATRONICS, GERMANY@ Aachen RWTH UNIVERSITY, GERMANY.**
10. **Attended Four days Faculty Development Programme on “APPLIED ROBOTIC CONTROL LAB 2.0” organized by. APSSDC & EUROPEAN CENTRE FOR MECHATRONICS, GERMANY@ VIT UNIVERSITY, AP.**
11. **Attended one Week Faculty Development Programme on “NATIONAL BOARD OF ORGANISATION (NBA) ” organized by NITTTR CHANDIGARH @SRI PADMAVATHI MAHILA VISVAVIDYALAYAM, TIRUPATI.**
12. **Attended one day Faculty Development Programme on “SCI LAB ” organized by IIT BOMBAY @SRI PADMAVATHI MAHILA VISVAVIDYALAYAM, TIRUPATI.**
13. **GOT NPTEL CERTIFICATE ON SMART MATERIALS AND INTELLIGENT SYSTEMS .**
14. **GOT NPTEL & FDP CERTIFICATE ON INTRODUCTION TO COMPOSITES.**
15. **Attended one day Faculty Development Programme on “ C & C++ Organised by IIT, Bombay @ SRI PADMAVATHI MAHILA VISVAVIDYALAYAM, TIRUPATI.**
16. **Recent advances in Mechanical Engineering (RAME)”, two day STTP, on 12th & 13th June 2020, S V College of Engineering, Tirupati.**
17. **Attended one Week Online Faculty Development Programme on Modelling and optimization techniques for materials and manufacturing processes , on 18/05/2020 to 22/05/2020 ,at LBRCE,MYLAVARAM.**

18. Attended one Week Online Faculty Development Programme on “Emerging Technologies in Mechanical Engineering” held during 26-05-2020 to 30-05-2020 @VEMU INSTITUTE OF TECHNOLOGY.
19. Attended one Week Online Faculty Development Programme on “Innovation and Research Trends in Mechanical Engineering (IRTME)”,on 18th-22nd May, 2020 @KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur.
20. Attended one Week Online Faculty Development Programme on STADDPRO, ON 26-05-20 to 06-06-20, by APSSDC.
21. Attended one Week Online Faculty Development Programme on Building Drafting Using Autocad ,On 26-05-20 to 06-06-20, by APSSDC.
22. Attended one Week Online Faculty Development Programme on Disruptive Technologies In Mechanical Engineering, from 08-06-20 to 13-06-20, @ Sreenidhi Institute Of Science & Technology , Hyd.
23. Two Day workshop on "Auto CAD:Powerful tool for Engineers",on 27-06-20 to 28-06-20, @ Gujarat Technological University.
24. Attended one Week Online Faculty Development Programme on Role Of Teachers In Quality Enhancement & Accreditation, from 05.06.2020 to 11.06.2020, Santhiram Engineering College, Nandyal.
25. National level FDP on tools for online classroom post COVID-19, from 19-05-20 to 20-05-20, P.B.Sidhartha college of Arts & Science, Vijayawada.

#### **Lectures Presented:**

- Delivered a Guest Lecture on CAD/CAM for Mechanical Engineering Students at Chirala Engineering College, Chirala on 24-08-2018.
- Acted as a chair Person for the session on Research Report and Thesis Writing @ Eswar College of Engineerong, on 22-09-2017.

#### **Events organized:**

- Organised one week Faculty Development Program on “Research Methodology and Technical Paper Writing” as a Convenor @Eswar College of Engineering.
- To create awareness on the **latest innovations** among students and closer to industry, which are being used in the industry, Conducted an EXPO on Innovation on Wheels by APSSDC for Mechanical Engg. Students @ SoET-SPMVV.

- Conducted two Guest lectures by IIT- Tirupati and NIT-Warangal Experts for II ,III and IV Year Mechanical Engineering Students @ SoET-SPMVV.

**Additional Responsibilities:**

- Acted as a MOOCs Coordinator
- Actively participated in Board of Studies Work.

**Memberships in Professional Bodies**

- International Association of Engineers (IAENG) - 204291

**Membership in Scientific and Professional Societies**

- the IAENG Society of Mechanical Engineering and
- the IAENG Society of Operations Research.