


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

<p>Name: R.BHOOPATHI</p>	
<p>Designation:</p>	<p>Assistant Professor Grade -II</p>
<p>Qualification:</p>	<p>B.E., M.E., (Ph.D)</p>
<p>Area of Specialization:</p>	<p>COMPUTER AIDED DESIGN & COMPOSITE MATERIALS</p>
<p>Experience:</p>	<p>Teaching- 18 Years 6 Months</p>
	<p>Industry - Nil</p>
<p>Number of Workshops/ FDP/ Conferences Attended:</p>	<p>WORKSHOP - 10</p>
	<p>FDP - 12</p>
	<p>CONFERENCE - 10</p>
<p>Publication:</p>	<p>Journal:</p> <p style="padding-left: 40px;">National : Nil</p> <p style="padding-left: 40px;">International : 14</p>
	<p>Conference:</p> <p style="padding-left: 40px;">National : Nil</p> <p style="padding-left: 40px;">International : 10</p>
<p>Staff Achievement</p>	<p>1. Organised National level Technical Symposium</p> <p>2.Organising FDP in every year</p>

Professional Experience:

Sl. No	College/Organization	Designation	Period From To	Total period	Nature of work
1.	Sri Sairam Engineering, Chennai.	Assistant Professor	03.06.11 to Till date	10.8 Years	Teaching
2.	Muthayammal Polytechnic College	Senior Lecturer	12.12.03 to 31.05.11	7.5 Years	Teaching

International Conferences Attended : **10**

Papers published in the international conferences : **10**

Short Term Course (Refresher courses) Attended : **18**

Faculty/Staff Development /Training Program
(Orientation programmes) Attended : **12**

Resource person In FDP : **02**

Workshops Attended : **10**

Events organized : **01**

Funded Projects :01 TNSCST

Reviewer in Journals/Conferences:

1. Reviewer in Materialstoday Proceedings Journal in ELESEVIER
2. The 9th Global Conference on Materials Science and Engineering (CMSE 2020)

List of publications in international journals:

1. Published a SCIE/WOS Paper Titled “**A Critical Review on Wood-Based Polymer Composites: Processing, Properties, and Prospects**” in the *Polymers*, 31, 2021 & 557-580 and 2073-4360 (EISSN) **Impact Factor: 4.379 (2022)**.
2. Published a SCIE/WOS Paper Titled “*Carbon substrates: a review on fabrication, properties and applications*” in the *Carbon Letters* , 28(8), 2020& 2178-2190 and 1566-2543 (Print) 1976-4259 (Print), **Impact Factor: 2.129 (2020)**.
3. Published a SCIE/WOS Paper Titled “*Influence of Haritaki (Terminalia chebula) nano-powder on thermo-mechanical, water absorption and morphological properties of Tindora (Coccinia grandis) tendrils fiber reinforced epoxy composites*” in *Journal of Natural fibres*, 2021 & 1594-0478 (Print) 1544-046X (Online), **Impact Factor: 5.323 (2020)**, <https://doi.org/10.1080/15440478.2021.1921660>.
4. Published a Scopus Paper Titled “*Optimization of drilling output responses of eggshell fillers reinforced hemp/glass fibres hybrid composites*” in *Materialstoday Proceedings*, 46(9), 2021 & 3245-3250, 2214-7853 (Print) 1544, <https://doi.org/10.1016/j.matpr.2020.11.286>.
5. Published a Scopus Paper Titled “*Influence of eggshell particles on mechanical and water absorption properties of hemp-glass fibres reinforced hybrid composites*” in *IOP Conference Series: Materials Science and Engineering*, 923(1), 2020 & 3245-3250, 1757-899X (online) and 1757-8981(print).
6. Published a SCIE/WOS Paper Titled “**Influence of Eggshell Nanoparticles and Effect of Alkalization on Characterization of Industrial Hemp Fibre Reinforced Epoxy Composites**” in the *Journal of Polymers And the Environment* , 28(8), 2020& 2178-2190 and 1566-2543 (Print) 1572-8919 (Online), **Impact Factor: 2.622 (2019)**.
7. Published a Paper Titled “**Experimental investigation on morphological, physical and shear properties of hybrid composite laminates reinforced with flax and carbon fibers**” in the *Journal of the Chinese Advanced Materials Society*, 6(4), 2019 & 640-654 and 2224-3682 (Print) 2168-1031 (Online)

8. Published a Paper Titled **“Fabrication of Automated Scrap Collector Cum Scrubber for Production Industries”** in the *Lecture Notes in Mechanical Engineering* , **2019** & 149-157& 978-981and Print ISBN : 978-981-13-6373-3Online ISBN: 978-981-13-6374-0
9. Published a Paper Titled **“Mechanical Properties’ Evaluation of Hemp Fibre-Reinforced Polymer Composites”** in the *Advances in Materials and Metallurgy, Lecture Notes in Mechanical Engineering* , 33(4), **2019** & 978-981and ISBN 978-981-13-1780-4.
10. Published a Paper Titled **“Studies on mechanical strengths of hemp-glass fibre reinforced epoxy composites”** in the *IOP Conference Series: Materials Science and Engineering* , 402(1) & 012083, **2018** and ISSN (Print) : 1757-899X.
11. Published a Paper Titled **“Physical Properties of Glass-Hemp-Banana Hybrid Fiber Reinforced Polymer Composites”** in the *Indian Journal of Science and Technology*, Vol 10(7), **February 2017**, ISSN (Print) : 0974-6846 and ISSN (Online) : 0974-5645, DOI: 10.17485/ijst/2017/v10i7/103310.
12. Published a Paper Titled **“Experimental Investigation on Mechanical Properties of Hemp-Banana-Glass Fiber Reinforced Composites”** in the *Applied Mechanics and Materials (Trans Tech Publications)*, Vols 766-767 (**2015**) pp 167-172, ISSN: 1662-7482, doi:10.4028/www.scientific.net/AMM.766-767.167.
13. Published a Paper Titled **“Fabrication and Property Evaluation of Banana-Hemp-Glass Fiber Reinforced Composites”** in the *Procedia Engineering (Elsevier)*, 97 (**2014**) 2032 – 2041,ISSN: 1877-7058, doi: 10.1016/j.proeng.2014.12.446.

List of Papers Presented in International Conferences:

1. Presented a Paper Titled **“Influence of eggshell particles on mechanical and water absorption properties of hemp-glass fibres reinforced hybrid composites”** in the **AICTE SPONSORED International Conference on Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDMES’20)**, conducted by

St.Joseph's College of Engineering, Chennai, Tamilnadu, India from 20th February to 21st February 2020.

2. Presented a Paper Titled ***“Study on Drilling behavior of hemp/glass fiber reinforced epoxy hybrid composites”*** in the **International Conference on Science, Technology, Engineering and Management (ICSTEM'20)**, conducted by KIT - Kalaigarkarunanidhi Institute of Technology, Coimbatore, Tamilnadu, India from 13rd March to 14th March 2020.
3. Presented a Paper Titled ***“Study on Mechanical Behaviour of Natural Fibre Reinforced Polymer Matrix Composites”*** in the **International Conference on Science, Technology, Engineering and Management (ICSTEM'19)**, conducted by KIT - Kalaigarkarunanidhi Institute of Technology, Coimbatore, Tamilnadu, India from 22nd March to 23rd March 2019.
4. Presented a Paper Titled ***“Study on Machining Characteristics of Natural Fibre Reinforced Composites”*** in the **International Conference on Science, Technology, Engineering and Management (ICSTEM'19)**, conducted by KIT - Kalaigarkarunanidhi Institute of Technology, Coimbatore, Tamilnadu, India from 22nd March to 23rd March 2019.
5. Attended a **International Conference on “Future of Advanced Manufacturing”**, conducted by **IIT Madras, Chennai**, Tamilnadu, India on 15th March 2019
6. Presented a Paper Titled ***“Fabrication of Automated Scrap Collector Cum Scrubber for Production Industries”*** in the **3rd International Conference on Advances in Manufacturing Technology (ICAMT 2018)**, conducted by Chennai Institute of Technology, Chennai, Tamilnadu, India from 22nd June to 23rd June 2018.
7. Presented a Paper Titled ***“Studies on mechanical strengths of hemp-glass fibre reinforced epoxy composites”*** in the **2nd International Conference on Advances in Mechanical Engineering (ICAME 2018)**, conducted by SRM University, Chennai, Tamilnadu, India.

8. Presented a Paper Titled “**Mechanical properties evaluation of hemp fibre reinforced polymer composites**” in the *International Conference On Engineering Materials, Metallurgy and Manufacturing (ICEMMM 2018)*, conducted by SSN College of Engineering, Chennai, Tamilnadu, India.
9. Presented a Paper Titled “**Physical Properties of Glass-Hemp-Banana Hybrid Fiber Reinforced Polymer Composites**” in the *International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS 2016)*, conducted by Sri Sai Ram Engineering College, Chennai, Tamilnadu, India.
10. Presented a Paper Titled “**Experimental Investigation on Mechanical Properties of Hemp-Banana-Glass Fiber Reinforced Composites**” in the *International Conference on Advances in Materials and Manufacturing Engineering (ICAMME2014)*, conducted by Sri Sai Ram Institute of Technology, Chennai, Tamilnadu, India.
11. Presented a Paper Titled “**Fabrication and Property Evaluation of Banana-Hemp-Glass Fiber Reinforced Composites**” in the International Conference on *12th Global Congress On Manufacturing And Management (GCMM 2014)*, conducted by VIT University Vellore, Tamilnadu, India.

List of Workshop/Conferences/FDP attended:

1. Attended a **DST & SERB Sponsored Two Days National Seminar on "Role of Smart Materials in Aerospace and Engineering Applications"**, Organized by St.Joseph's College of Engineering, Chennai, from 16th December to 17th December 2019.
2. Attended a One week **ISTE Sponsored, Faculty Development Programme on "Working Culture for Professionals"**, Organized by Sri Sai Ram Engineering College, Chennai from 11th November to 16th November 2019.
3. Attended a One week **AICTE Sponsored, Short Term Training Program on "Natural Fiber Composites for Sustainability and Eco-Friendly Environment"**, Organized by Sri Sai Ram Engineering College, Chennai from 24th June to 29th June 2019.

4. Attended a One week **ISTE Sponsored, Faculty Development Programme** on ***“Robotics”***, Organized by Sri Sai Ram Engineering College, Chennai from 13th May to 18th May 2019.
5. Attended a One week **Anna University, Chennai, Sponsored Faculty Development Program** on ***“ME 8593 Design of Machine Elements”***, Organized by Easwari Engineering College, Chennai from 06th May to 11th May 2019.
6. Attended a two days **Faculty Development Program** on ***“Outcome Based Education”***, Organized by Sri Sai Ram Engineering College, Chennai from 05th April to 06th April 2019.
7. Attended a 12 Weeks **Faculty Development Programme** on ***“Introduction to Composites”*** NPTEL Online Certification Course, Indian Institute of Technology Kanpur, from January to April 2019.
8. Attended a One week **Faculty Development Program** on ***“ME6401 Kinematics of Machinery”***, Organized by Sri Sai Ram Engineering College, Chennai from 27th November to 05th December 2017.
9. Attended a Two weeks **Faculty Development Program** on ***“Bio De-Gradable, Green and Nano Composites for Industrial Applications: Manufacturing Methodologies and Properties”***, Organized by Sri Sai Ram Institute of Technology, Chennai from 20th October to 02nd November 2017.
10. Attended a Two days **DRDO & ARMERB sponsored National level Workshop** on ***“Fabrication and Characterization of Advanced Composites”***, Organized by Selvam College of Technology, Namakkal from 22nd September to 23rd September 2017.
11. Attended a one day **Workshop** on ***“Role of Lean Manufacturing on Organization Competitiveness”***, Organized by Sri Sai Ram Engineering college Chennai on 28th August 2014.
12. Attended a one day **Workshop** on ***“Green Composites”***, Organized by Sri Sai Ram Institute of Technology, Chennai on 27th August 2014.

13. Attended a two day **Workshop on “Industry-Institution Interaction Event on Environment Management in Industrial Sectors-Status and Needs”**, Organized by Sri Sai Ram Engineering College, Chennai on 24th & 25th July 2014.
14. Attended a **International Conference on “Emerging trends in Energy and Environment (ICETEE 2014)”**, Organized by Sri Sai Ram Engineering College, Chennai.
15. Attended a **Faculty Development Program on “Advancement in Materials, manufacturing Processes and Management Systems”**, Organized by Sri Sai Ram Engineering College, Chennai from 4th November to 16th November 2013.
16. Attended a **workshop on “Renewable Energy”** in Sri Sai Ram Engineering College held on 19th JULY 2012.
17. Attended a one day **Workshop on “Renewable Energy”**, Organized by Sri Sai Ram Engineering College, Chennai on 24th Feb 2012.
18. Attended a one day **Workshop on “Art of Journal and Thesis writing”**, Organized by Sri Sai Ram Engineering College, Chennai on 19th January 2012.
19. Attended a **“Basic fire safety and emergency preparedness workshop”** programme organized by Usha fire safety equipments (P) Ltd, held at SSEC, Chennai.
20. Attended a **“Basic fire safety and emergency preparedness workshop”** programme organized by Thilak Safety Associates, held at SSEC, Chennai.
21. Attended a **ISO 9001: 2008 “Quality Management system and Audit”** training during 11th & 12th of October 2011 conducted by Creative Management Consultants, Chennai.

Achievements /Awards Received:

Name of Award	Year for which received	Awarding Body/ Agency
Best Paper Award	2018	SSN College of Engineering, Chennai
Best Teacher Award	2011	Muthayammal Polytechnic College, Rasipuram

Programmes Organised:

Name of the Event	International / National / Year	Institution
Sponsored Faculty Development Programme (NIT Warangal & Sri Sairam Engineering College)	International/ Applications of Artificial Intelligence on Digital Manufacturing February/March 2022	Sri Sairam Engineering, Chennai
Faculty Development Programme	International/ Ethical Practices in Engineering February 2021	Sri Sairam Engineering, Chennai
Faculty Development Programme	International/ Ethical Practices in Engineering May/June 2020	Sri Sairam Engineering, Chennai
India Design Contest (MAVIS 2k19)	National / 2019	Sri Sairam Engineering, Chennai

Membership in Professional Bodies:

3. Life-Time Member in Indian Society for Technical Education [ISTE]
4. Life-Time Member in Institutions of Engineers (India) [IEI]
5. Member in IEEE
6. Member in Society of Robotics and Automation Through IEEE
7. Member in Society of Automotive Engineers [SAE]
8. Life-Time Member in Teaching and Education Research Association [TERA]

BHOOPATHI R
ASSISTANT PROFESSOR Gr.-II