Madarvoni Srivatsava,

Plot no 40, my homes,
Mp patelguda road,
bongulur (v),ibrahimptnam(m)
Ranga reddy(dist),T.S,501510



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Contact No:+919005514499

Carrier Objective

Seeking to obtain responsible position in any organization where acquired knowledge can be useful for growth of the organization and personal development.

Professional Teaching Experience

Aug 2021 – Present (2Years 10 months)	**Guest Faculty,** *IIT-BASAR* *Department of Mechanical Engineering*
FEB 2015 – JUNE 2017 (2 Year 5 Months)	**Assistant Professor,** *Guru Nanak Institutions Technical Campus* *Department of Mechanical Engineering*

Academic Profile

Course	University / Board	Year of Passing	Percentage
M.Tech (Advanced manufacturing system)	JNTUH University, Hyderabad	2014	68.5%
B.Tech (Mechanical)	Nalla Malla Reddy Engineering College, Ranga Reddy JNTUH University, Hyderabad	2011	62.4%
Intermediate (M.P.C)	Board of Intermediate Education, A.P	2007	70%
S.S.C	Board of Secondary Education, A.P	2005	81%

Academic Activity

- Worked as AICTE In charge at Department level.
- Worked as Attendance Coordinator
- Supported weekly PRODUCTION, WORKSHOP, MACHINE TOOL AND METROLOGY, HEAT TRANSFER, CAD lab sessions, contributing to student engagement, comprehension, and learning objectives.
- Mentored students and communicated internship and employment opportunities.
- Experience in Moodle LMS

Research Interest

- Polymer composites
- Nano materials
- Welding

Project Guidance

- Undergraduate (B.Tech) Projects: 08

Teaching Engagements

- Robotics,
- Introduction to MEMS
- Rapid Manufacturing process.
- Automation in Manufacturing
- Non-Traditional Manufacturing Process,
- Production Planning and Control,
- Engineering Drawing,
- Machine drawing
- Design of Transmission elements
- Workshop Technology

Skills

Technical Skills:

- Programming: Python, C++, Java
- CAD Software: SolidWorks, AutoCAD, Creo, Catia
- Microcontroller Programming: Arduino, Raspberry Pi
- Robotics Platforms: ROS, Gazebo, Roboanalyzer
- Other: Geogebra, 3D Printing, Circuit Design

Teaching Skills:

- Curriculum Development

- Classroom Management
- Student Assessment
- Project-Based Learning
- Differentiated Instruction

Soft Skills:

- Strong Communication
- Leadership
- Teamwork
- Problem-Solving
- Creativity
- Adaptability

Researcher Skills:

- Solvers: DIGIMAT, ANSYS, Abaqus
- Hands-on and Development Experience:
  - Pin-on-Disc, Scratch Tester, Dynamic Mechanical Analysis, Rheometer, Micro-Vickers Hardness, Impact Testing, Universal Testing Machine handling experience
- Operating Systems: Windows, Linux
- Miscellaneous Tools: MATLAB, Origin, Minitab, SigmaPlot

Membership of Professional Bodies

- International Association of Engineers (IAENG) :- 205703
- Reviewer for Materials Today : Proceedings

Paper Publication

	All	Since 2019
Citations	67	66
h-index	6	6
i10-index	1	1

SCIE Publications

1. ***M Srivatsava,*** *PSR Sreekanth "Mechanical Characterization of Graphene—Hexagonal Boron Nitride-Based Kevlar–Carbon Hybrid Fabric Nanocomposites"* ***Polymers****, Volume 14 Issue 13, ISSN 2073-4360, 2022*
2. ***M Srivatsava,*** *PSR Sreekanth "Dynamic mechanical behaviour of graphene, hexagonal boron nitride reinforced carbon-kevlar, hybrid fabric-based epoxy nanocomposites"* ***Polymers and Polymer Composites****, Volume 30, ISSN: 1478-2391,2022*

Patent Publication

M Srivatsava, *PSR Sreekanth "A NOVEL HYBRID WOVEN FABRIC WITH CARBON (WEFT) AND KEVLAR (WRAP) WITHNANOFILLERS FOR HIGH STRENGTH", Application No.202241029727 A, Publication Date: 03/06/2022*

Scopus publications

3. ***M Srivatsava**, Nilesh Dalai "Comparison study of various properties of jute reinforced composites with different nanofillers" **Materials Today: Proceedings** Volume 48.2022*
4. ***M Srivatsava**, Nilesh Dalai "Enhancement of surface & bulk mechanical properties of Flax reinforced composites with different carbon allotropes" **Materials Today: Proceedings,** Volume 48.2022.*
5. ***M Srivatsava**, Nilesh Dalai "Study of thermo mechanical properties of surface modified graphene on E-glass composite" **Materials Today: Proceedings** Volume 47.2021.*
6. ***M Srivatsava,** PSR Sreekanth "*Experimental *characterization of dynamic mechanical properties of hybrid carbon-Kevlar reinforced composite with sandwich configuration" **Materials Today: Proceedings**, Volume 27, Part 2, 2020, Pages 931-935, ISSN: 2214-7853, 2020.*
7. *K.NandiniDora, KanchanKumari, **M.Srivatsava**, NileshDalai "A review on various techniques for municipality waste management & product development" **Materials Today: Proceedings***
8. *M.VishalKumarRao,B.SaiKrishnaPatro,KanchanKumari,**M.Srivatsava**,DuryodhanSahu,Nilesh Dalai "Study of thermo mechanical properties of surface modified graphene on E-glass composite" **Materials Today: Proceedings***
9. *SandipKu.Khatu,PritamKu.Sahoo,KanchanKumari,**M.Srivatsava**,DuryodhanSahu,Nilesh Dalai "Behavioural study of graphene oxide/functionalized graphene on bamboo fiber reinforced composite" **Materials Today: Proceedings***

Internationals Journals:

10. *V.Shyamu Gopal Vanga **, M.Srivatsava** "Rectification of Various Problems Associated with Hot Forging Dies (Edger, Blocker& Finisher) for Connecting Rod Forging Using DEFORM Software" International Journal of Innovative Research in Science, Engineering and Technology, Volume 6 Issue 5,2017*
11. *G. Narendra Santosh Kumar **M.Srivatsava**, Gopal Vanga "Experimental Study of Mechanical Properties of 5083 Aluminium Alloy Using Gas Tungsten Arc Welding" International Journal of Innovative Research in Science, Engineering and Technology, Volume 5 Issue 5,2016*
12. *G. Narendra Santosh kumar GopalVanga, **M. Srivatsava** "Evaluation of Tensile Properties and Microstructural Properties of Friction stir welded AL-CU Lap Joints" International Journal of Innovative Research in Science, Engineering and Technology, Volume 5 Issue 5,2016*
13. ***M.Srivatsava**, Sneha.H.Dhoria, B.Sandeep, G.Narendra Santosh Kumar "Design of Back stopper Mechanism for Automobiles" International Journal of Engineering Trends and Technology.*

Workshops / Training Programmes Attended

- *Attended a FDP on "**IPR & Patent Prosecution" on 24-28 May– 2021** organized by Department of Computer Science and Engineering in association with Institution Innovation Council (IIC), **Maturi Venkata Subba Rao (MVSR) Engineering College** Hyderabad.*
- *Attended a FDP on "**Intellectual Property Rights and its Process for Academicians" on 26-27 April– 2021** organized by Innovation and Incubation Centre (IIC), **VIT-AP University** Andhra Pradesh.*

- *Attended a Atal FDP on "**3d Printing & Design" on** 15**-21 Feb– 2 0 2 1** organized by Department of Mechanical Engineering, **Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology** Hyderabad.*
- Attended *a Atal FDP on "**Green Technology & Sustainability Engineering" on** 8**-12 Dec– 2 0 2 0** organized by Department of Mechanical Engineering, **National Institute of Technology** Raipur*
- *Attended an International Conference on **"Advanced Light-Weight Materials & Structures (ICALMS-2k20)"** held on **6th-7th March, 2020** organized by **CMR Technical Campus** at Hyderabad.*
- *Attended an FDP on **"Composite Materials: "An Emerging Alternative to Engineering Applications"** held on **1st-6th July, 2019** organized by **Vignan Institute of Technology & Science** at Hyderabad.*
- *Attended an **"Short Course on Applied Rheology"** held on **5th Feb, 2019** organized by **Osmania University** at Hyderabad.*
- *Attended a FDP on "**3d Printing Technology in Engineering Education" on 10-15 July– 2 0 1 7** organized by Department of Mechanical Engineering, **National Institute of Technology** Warangal*

Personal Details

Father's Name:	**Mr. M Mallikarjun**
Mother's Name:	**Mrs. M Aruna**
Date of Birth:	10/ 11/1991
Nationality:	Indian
Languages Known:	Hindi, English & Telugu.
Marital status:	Single

Declaration

I Madarvoni Srivatsava, hereby declare that the information written above is true to the best of my knowledge.



Date: 06.06.2024

Place: Hyderabad (Madarvoni srivatsava)