

Dr. Srinivas Prasad Sanaka



Designation : Professor
E-Mail ID : drssp1974@gmail.com
Contact at : Department of Mechanical Engineering
 V R Siddhartha School of Engineering,
 Siddhartha Academy of Higher Education
 (Deemed to be University), Kanuru,
 Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Mechanical Engineering)

2013, Osmania University, Hyderabad

M.Tech (Turbo Machinery)

2002, NIT Bhopal

B.Tech (Mechanical Engineering)

1999, Institution of Engineers, India

Experience:23 years

Period	Designation	Institution / Organization	Key Responsibilities
2016-Till Date	Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Teaching, Ph.D./PG guidance, Research Projects and Publications, Consultancy and Competency building
2014-2016	Professor	Nova College of Engineering & Technology, Vijayawada	Principal, Teaching
2012-2014	Professor	MLR Institute of Technology, Hyderabad	HOD, Teaching
2004-2012	Assistant Professor and Associate Professor	Mallareddy College of Engineering & Technology, Hyderabad	HOD, Teaching
2002-2004	Academic Consultant	Osmania University, Hyderabad	Teaching

Research Interests

Broad Area of Research:

Solar Energy, Green Hydrogen, Fuel cells, Nano fluids, CFD, Thermal systems, Aerospace, Turbo Machinery

Software Packages: ANSYS, FLUENT, CFX (Hands on Experience)

Honors and Awards

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Basic Thermodynamics	UG
2	Advanced Thermodynamics	UG
3	Mechanics and Hydraulic Machinery	UG
4	Heat Transfer	UG
5	Hybrid electric Vehicles	UG
6	Engineering Mechanics	UG
7	CFD	UG
8	FEM	UG
9	Aerodynamics	UG
10	Aerospace Propulsion	UG
11	Applied Thermodynamics	PG
12	Renewable energy systems	PG
13	Gas Turbines and Jet Propulsion	PG

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?hl=en&user=qUhi77MAAAAJ&view_op=list_works&sortby=title&gmla=AJsN-F7iKXIFFX97GGXmoALKKYWGUEHnLsRH5Q8S4bMABDkd1cxEhJYRJRNIIFObx8g4oJ2Evph4oYCBS6ndeaHrEcE7TdONCo5JuOjfbZbSYaAq68kVwYI&sciund=2972249531396373899
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195196073
ORCID	https://orcid.org/0000-0002-4850-7340

Recognized Research Supervisor

S.No.	Department	University
01.	Mechanical Engineering	Jawaharlal Nehru Technological University, Kakinada
02.	Mechanical Engineering	Siddhartha Academy of Higher Education, Vijayawada

Funded Research Projects

S.No	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Sponsored Research	Hydrodynamic and Acoustic Analysis of a metallic and Composite Marine Propeller	Completed	NSTL Vishakapatnam	600000	1Years
02.	Sponsored Research	Fabrication and Performance Analysis of ventilation Assist unit	Completed	Avantel Hyderabad	10,00000	1 Year
03.	Consultancy	Pipeline and Pump Capacity study from Tank to Truck and Truck to Tank	Completed	HPCL	50000	6 Months

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	HOD	MRCET Autonomous	8 years	
2	HOD	MLRIT Autonomous	2 Years	
3	Principal	Nova College of Engineering	2 Years	

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Nueromorphic Engineering	Online	12 Weeks	2024
2	Quantum computing	Online	4 Weeks	2025

Consultancy / Industry Projects

Completed	01
On-going	0
Applied	03

Patents

S.No	Title	Status	Application No.	Year
1.	3D PRINTING WOOD - PLA COMPOSITE FOR HVAC APPLICATION	Published	202341064083	2023
2	DEVELOPMENT OF BANANA FIBER/PLA GREEN COMPOSITE THERMAL INSULATION PANELS FOR COLD STORAGE	Published	202341064077	2023

Ph.D

Awarded	01
Guiding	01

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

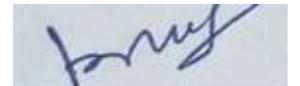
- Reviewer for Elsevier and Springer Journals

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	15
International / National Level Seminars	4/ 0
International / National Level Conferences	45 / 04
Workshops	10
Instructor Led / Self-Paced Courses	4
Webinars	10

Professional Bodies Membership Details

S.No.	Society Name
1.	American Society for Mechanical Engineers(ASME)
2.	Bamboo Society of India (BSI)



2/12/2025
