

Dr.N.Vijaya Sai



Designation : Professor & Head of the Department
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Contact at : ME219, Department of Mechanical Engineering,
 Velagapudi Ramakrishna Siddhartha Engineering College,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Mechanical Engineering)

2008, JNTU, Hyderabad.

M.Tech (Machine Tool Engineering)

1986, I.I.T, Kharagpur

B.E (Mechanical Engineering)

1985, College of Engg., Andhra University

Experience

Period	Designation	Institution / Organization
2015 to till date	Professor & Head	Dept. of Mechanical Engineering, V.R. Siddhartha Engineering College, Vijayawada.
Feb 2015 to May 2015	Professor & Head, COE	Dept. of Mechanical Engineering, V.R. Siddhartha Engineering College, Vijayawada.
Aug 2009 to Feb 2015	Professor & Controller of Examinations	Dept. of Mechanical Engineering, V.R. Siddhartha Engineering College, Vijayawada.
April 2006 to June 2010	Professor & Head	Dept. of Production Engineering, V.R. Siddhartha Engineering College, Vijayawada.
July 2005 to April 2006	Asst. Professor & Head	Dept. of Production Engineering, V.R. Siddhartha Engineering College, Vijayawada.
Oct 1994 to July 2005	Asst. Professor	Dept. of Mechanical and Production Engineering, V.R. Siddhartha Engineering College, Vijayawada.
Dec 1986 to Oct 1994	Lecturer	Dept. of Mechanical Engineering, V.R. Siddhartha Engineering College, Vijayawada.

Research Interests

Broad Area of Research :

Metal Matrix Composites, Polymer Matrix Composites, Powder Metallurgy, Optimization Techniques.

Honors and Awards

- Recognized master trainer/Resource person, Mentor and Evaluator for **National Board Accreditation (NBA)**, New Delhi, on **Outcome based Education** since 2012 and visited more than 20 institutions in the country.
- Nominated as **Margadarshak** for guiding **NBA Accreditation process for Engineering colleges** by AICTE, NewDelhi

Courses Taught

- Computer Integrated Manufacturing
- Metrology
- Metal cutting & Machine Tools
- Manufacturing Process
- CNC Machines
- CAM
- Engineering Mechanics

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=oZ3FgKsAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=56460387300
ORCID	https://orcid.org/0000-0003-1321-0165
Research Gate	https://www.researchgate.net/scientific-contributions/2159850197_Vijaya_Sai_Nimmagadda
LinkedIn	https://www.linkedin.com/in/vijaya-sai-nimmagadda-23945b1b0/

Recognized Research Supervisor

S.No.	Department	University
01.	Mechanical Engineering	JNTUH, Hyderabad
02.	Mechanical Engineering	JNTUK, Kakinada
03.	Mechanical Engineering	ANU, Guntur

Funded Research Projects

Completed	1. AICTE sanctioned an RPS Project titled “Experimental Investigations on Preparation and Characterization of Copper alloy- Fly ash Composites by Powder Metallurgy” with a budget amount of Rs.9.3 lakhs. 2. DRDO sanctioned an Project titled “Analysis and Fabrication of a Bracket of a space vehicle using FRP composite material” with a budget amount of 8.9 lakhs as co-investigator
On-going	AICTE Sanctioned a grant of Rs. 15,29,000/- (Fifteen Lakhs Twenty Nine Thousand Only) for Modernization of the Metrology Laboratory under ‘Modernization and Removal of Obsolescence Scheme
Applied	

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

Granted	Enhancement of fuel efficiency of an IC engine using oxy-hydrogen as fuel. (Ref.No. / Application no. 201641010976)
Published	
Applied	

Invited Talks

No. of Invited Talks	20
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Professional Service / Reviewer

- Reviewer & Guest Editor for Materials Today Proceedings
- Reviewer & Guest Editor for ICRAMMES

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	06
International / National Level Seminars	18
International / National Level Conferences	03
Workshops	17
Instructor Led / Self-Paced Courses	-
Webinars	-

Professional Bodies Membership Details

MIE	M113671-7
MISTE	LM20117

(Dr.N.Vijaya Sai)
