Dr Ch. Nagaraju

Designation	: Professor
E-Mail ID	: nagarajuch@vrsiddhartha.ac.in
Contact at	: Department of Mechanical Engineering,
	Velagapudi Ramakrishna Siddhartha School of Engineering
	Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Mechanical Engineering)

2010, Jawaharlal Nehru Technological University, Kakinada

M.E (Production Engineering)

1993, University College of Engineering, Osmania University, Hyderabad

B.Tech (Mechanical Engineering)

1990, NIT (REC), Warangal

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2009 – present	Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, Ph.D./PG guidance, research publications, academic leadership, NBA/NAAC coordination.
2006-2008	Associate Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Research publications, academic leadership, NBA/NAAC coordination.
2002-2006	Sr. Lecturer	Velagapudi Ramakrishna Siddhartha Engineering College	Teaching
1993-2002	Lecturer	Velagapudi Ramakrishna Siddhartha Engineering College	Teaching

Research Interests: Manufacturing, Vibrations

Courses Taught:

S.No	Course Name	Level (UG/PG)
1	Operations research	UG
2	Theory of Metal Cutting	UG
3	Optimization Technique	PG
4	Machine Learning	PG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=nagaraju+cherukuri
Scopus	https://www.scopus.com/freelookup/form/author.uri?st1=nagaraju&st2=cherukuri
ORCID	https://orcid.org/0000-0002-9343-6254
Research Gate	https://www.researchgate.net/profile/Nagaraju-Cherukuri

Recognized Research Supervisor

S.No.	Department	University
01.	Mechanical Engineering	Jawaharlal Nehru Technological University, Kakinada

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	RPS	Fault Diagnostics in Rotor Bearing System.	Completed	AICTE	750000	2 Years

Seminar /workshop/FDP   Organised

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	year
1	Seminar	Advanced Fault Detection and Signal Processing	Completed	DST	50,000	2009
2	Seminar	Detection of Malfunctioning in Rotor Systems: Power Plants & Aircraft Systems.	Completed	DST	50,000	2010
3	Seminar	Finite Element Formulation for Nano Structures	Completed	DST	40,000	2011
4	FDP (2 weeks)	Machine Condition Monitoring & Fault Diagnostics	Completed	AICTE	4,20,000	2012

Administrative Roles

S.No.	Role	Institution	Responsibilities
1	PG Coordinator	V R Siddhartha Engineering College	Curriculum design, Ph.D./PG guidance, research publications, NBA/NAAC coordination.
2	convener	Siddhartha Academy of Higher education	Framing the strategic plans to enhance academics and institutional growth in aligned with accreditation standards

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Introduction to Operations Research	NPTEL	12 Weeks	2018
	Business Statistics	NPTEL	12 Weeks	2019
	Mathematical Modelling of Manufacturing Processes	NPTEL	12 Weeks	2019

	Financial Mathematics	NPTEL	12 Weeks	2020
2.	Deep Learning	NPTEL	12 Weeks	2023
	Data Analytics with Python	NPTEL	12 Weeks	2023
	Machine Learning for Engineering and Science Applications	NPTEL	12 Weeks	2024

PhD Guided :2

1. Scholar: **Dr. Ch. Hari Krishna**, Associate Professor, Department of Mechanical Engineering, Shri Vishnu Engineering College for Women Bhimavaram-534202,
   Title: Experimental and finite element investigations on formability of AA2014 billets under simple upsetting
   Institute: NIT Warangal
   Month & Year: February 2015.
2. Scholar: **Dr. Syam Prasad Ammineni**, Assistant Professor, Department of Mechanical Engineering, MVSR Engineering College, Hyderabad
   Title: Mechanical Performance Degradation and life Estimation of Nitrile Butadiene with Time and temperature.
   Institute: JNTU Kakinada
   Month & Year: September 2023.

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