

# Dr. M. B. Chennaiah



**Designation** : Sr. Assistant Professor  
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**Contact** : Department of Mechanical Engineering,  
 Velagapudi Ramakrishna Siddhartha school of  
 Engineering, Kanuru, Vijayawada,  
 Andhra Pradesh - 520007

## Education

### Ph.D(Mechanical Engineering)

2018, Jawaharlal Nehru Technological University, Anantapur.

### M.Tech(Mechanical Engineering)

2008, Jawaharlal Nehru Technological University, Kakinada.

### B.Tech(Mechanical Engineering)

2005, Jawaharlal Nehru Technological University, Hyderabad.

## Experience

Period	Designation	Institution/Organization	Key Responsibilities
2007-2009	Lecturer	JNTU College of Engineering, Kakinada	academic leadership
2009-2025	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Ph.D./PG guidance, research publications, academic leadership, NBA/NAAC coordination.
2025- Till Date	Sr. Assistant Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Ph.D./PG guidance, research publications, academic leadership, NBA/NAAC coordination.

## Research Interests

### Broad Area of Research:

Design, Vibration Analysis and Micro structural analysis.

## Honors and Awards

- “Young Achiever Award” received from InSc International publishers in the year 2020.

## Courses Taught

S.No	CourseName	Level(UG/PG)
1	DesignofMachineElements	UG
2	DesignofTransmissionElements	UG
3	DesignofICEnginecomponents	UG
4	EngineeringMechanics	UG
5	StrengthofMaterial	UG
6	AdvancedMechanicsofMaterials	UG
7	BasicofMechanicalEngineering	UG
8	Hydraulicsandpneumaticssystem	UG

## Research Profile

### Publications

TherecentpublicationsandresearchcontributionscanbeviewedfromthefollowingURLs

<b>GoogleScholar</b>	<a href="https://scholar.google.com/citations?user=ebtFIgAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=ebtFIgAAAAJ&amp;hl=en&amp;oi=ao</a>
<b>Scopus</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57190260551">https://www.scopus.com/authid/detail.uri?authorId=57190260551</a>
<b>ORCID</b>	<a href="https://orcid.org/0000-0002-8613-8232">https://orcid.org/0000-0002-8613-8232</a>
<b>dblp</b>	--
<b>Publons</b>	<a href="https://www.webofscience.com/wos/author/record/AAX-5049-2021">https://www.webofscience.com/wos/author/record/AAX-5049-2021</a>
<b>ResearchGate</b>	<a href="https://www.researchgate.net/profile/Mallapuram-Chennaiah?ev=hdr_xprf">https://www.researchgate.net/profile/Mallapuram-Chennaiah?ev=hdr_xprf</a>
<b>LinkedIn</b>	--

### Recognized Research Supervisor

S.No.	Department	University
01.	MechanicalEngineering	JNTU,Kakinada.
02.	MechanicalEngineering	SiddharthaAcademyofHigherEducation(Deemed-to-be University), VR Siddhartha School of Engineering.

## Funded Research Projects

S.No	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	UGC - MRP	Investigating the Effect of Heat Treatment on Microstructure and Mechanical properties of Weldments Computer integrated Optical Microscopy.	Completed	UGC-MRP	3,30,000	2 Years
02.	ANR F/IR G/20 24/00 0452	Development of an Epoxy-Based Ternary Nano-Composite Filament Reinforced with Carbon Fiber (CF) and Carbon Nanotubes (CNT) for 3D Printing in Satellite Applications	Applied	ANRF/IRG	51,77,856	5 Years

## Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	JEE-Mains Exam center co-ordinators	Siddhartha Academy of Higher Education (Deemed-to-be	Jan-2025 to June	To get better bright students into the university

		University).		
2	ISO-Department Coordinator	VRSEC	2012-Present	ISOrelatedactivitiesand file Management
3	NBA-Criteia-8 Department Coordinator	VRSEC	2018-Present	NBA-relatedactivitiesand file Management
4	NAAC-Criteia-6 Department Coordinator	VRSEC	2018-Present	NAAC-relatedactivities and file Management

## Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	CloudComputing	NPTEL	8Weeks	2023
2.	AWSCloud Practitioner	Amazon	3yearsvalidity (Global Certification)	2025

## Consultancy/Industry Projects

Completed	01
On-going	00
Applied	01

## Patents

S.No	Title	Status	ApplicationNo.	Year
1.	DevelopmentAndFabrication of Filament' Extruder for 3D PrinterandMaterialRecycling	Publishedon16/02/2024	01-01-2024/170/202441000089	2023-24
2	ANanoroboticArmtto OperateintheEndoscopy	Publishedon16/06/2023	31-05-2023/202341037699	2023-24
3	AutomaticSeatBelt MechanismForAutolmobies.	Published	13-02-2023/15082/202341009392	2023-24
4	3-in-1Waterpurifier,Water coolerandairconditioner.	Published	09-01-2023/2562/202341001723	2023-24
5	IntegratedAirlessWheelfor MotorCycle.(DesignPatent)	Published	26-06-2022/366794-001	2022-23

## Ph.D

Awarded	00
Guiding	01

## Invited Talks

No.ofInvitedTalks	00
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## Professional Service/Reviewer

- Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering-SAGE Journals
- Journal of The Institution of Engineers (India): Series B
- Journal of The Institution of Engineers (India): Series D
- Environmental Progress & Sustainable Energy: Wiley Publications.
- Metallurgical Research & Technology (MRT)

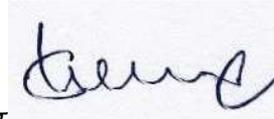
## Professional Development Activities-Participations

Faculty Development and Training Programmes (at least 5 Days)	05
International/National Level Seminars	05/10
International/National Level Conferences	17/02
Workshops	10
Instructor Led/Self-Paced Courses	00
Webinars	20

## Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM-67914	Life Member-Indian Society for Technical Education
2.	LM-169340	Life Member-International Association for Engineers

(Dr MB Chennaiah &



10/09/2025)

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