

Dr. G. DilliBabu



Designation : Associate Professor
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Contact at : Department of Mechanical Engineering,
 Velagapudi Ramakrishna Siddhartha School of Engineering,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Mechanical Engineering)

2014, Jawaharlal Nehru Technological University, Ananthapur

M.Tech (Manufacturing Technology)

2007, National Institute of Technology Calicut, Kerala

B.Tech (Mechanical Engineering)

2005, G Pulla Reddy Engineering College, Kurnool

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2016-Till date	Associate Professor	Velagapudi Ramakrishna Siddhartha School of Engineering	Curriculum design, Ph.D./PG guidance, Research publications, Students Technical Club Coordinator, Skill Development labs In-charge, Department Newsletter Editor, NBA/NAAC coordination.
2007-2016	Assistant Professor	Velagapudi Ramakrishna Siddhartha School of Engineering	

Research Interests

Broad Area of Research :

Manufacturing, Composite Materials, 3D Printing, Mechatronics, Robotics

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Engineering Metallurgy	UG
2	Additive Manufacturing	UG
3	Robotics	UG
4	Metal Cutting and Machine Tools	UG
5	Mechatronics	UG
6	Microcontroller and PLC	PG
7	Robotics and Automation	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=gKut2NMAAAAJ&view_op=list_works&authuser=1
Scopus	https://www.scopus.com/home.uri
ORCID	https://orcid.org/0000-0001-7180-8697
Publons	https://www.webofscience.com/wos/author/record/ABC-6899-2020
Research Gate	https://www.researchgate.net/profile/G-Dilli-Babu
LinkedIn	https://www.linkedin.com/in/dilli-babu-2729595/

Recognized Research Supervisor

S.No.	Department	University
01.	Mechanical Engineering	Jawaharlal Nehru Technological University, Kakinada
02.	Mechanical Engineering	Siddhartha Academy of Higher Education, Vijayawada
03.		
04.		

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Industry research grant	Chassis Fabrication for Hybrid EV Four-wheeler and Energy Management	On-going	Cyber Shakthi Pvt Ltd, Chennai	2,32,000/-	1 Year
02.	Industry research grant	Development of Smart Scissor Lift using Electrical Linear Actuator	Completed	EFFTRONICS SYSTEMS PVT. LTD Guntur	1,00,000/-	1 Year
03.	consultancy order	Design and Development of a Semi-automatic Paper Shredder	Completed	Dr.Pinnamane ni Siddhartha Institute of Medical Sciences & Research Foundation, Vijayawada	1,49,730/-	6 Month
04.	Industry research grant	Design and Fabrication of Smart Hydraulic Lifting Mechanism for data logger rack system lifting and moving	Completed	EFFTRONICS SYSTEMS PVT. LTD Guntur	66,080/-	6 Month
05.	MODROBS	Modernization of the Metrology Laboratory	Completed	AICTE, New Delhi	15,29,000/-	2 Years

Administrative Roles

S.No.	Department level Responsibility
1.	Department Newsletter Editor
2.	NAAC Criteria 2 Department Coordinator

3.	NBA Criteria 5 Department Coordinator
4.	ISO File in-charge
5.	Student club (Robotics & Drone) In-charge

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Digital Manufacturing & Design	The State University of New York, Coursera	8 Weeks	2020
2.	Material Behavior	Georgia Institute of Technology, USA, Coursera	8 Weeks	2020

Consultancy / Industry Projects

Completed	03
On-going	01

Patents

S.No	Title	Status	Application No.	Year
1.	Object Detection in Extreme Dark Conditions	Published	202441050219	2025
2.	A Portable Solar Seawater Desalination Machine	Filed	202441088753	2024
3.	Automatic Seat Belt Mechanism for Automobiles	Published	202341009392	2023
4.	Integrated Airless Wheel Design	Received Patent Certification	355127-001	2021

Ph.D

Awarded	01
Guiding	03

Invited Talks

No. of Invited Talks	01
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Professional Service / Reviewer

- Reviewer for the SCI journals - 'Materials and Design' Elsevier, "Journal of Testing and Evaluation" ASTM International, Materials Today: Proceedings Elsevier, Journal of Industrial Textiles SAGE journals.

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	8
International / National Level Seminars	01 / 02
International / National Level Conferences	05 / 00
Workshops	10
Instructor Led / Self-Paced Courses	02
Webinars	10

(Dr. G. DilliBabu)
