

Dr. Mahammad Firose Shaik



Designation : Assistant Professor
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Contact at : EI 447, Dept. of Electronics & Instrumentation Engineering,
 Velagapudi Ramakrishna Siddhartha Engineering College,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Routing protocols in Wireless Body Area Network)

2021, Vellore Institute of Technology (VIT) – Vellore, TN.

M.E (Electronics and Instrumentation in ECE department)

2010, Andhra University, Visakhapatnam

M.Tech (AI & ML Specialization in Deep Learning)

2025, BITS Pilani (WILP), Pilani.

B.Tech (Electronics and Instrumentation Engineering)

2007, Jawaharlal Nehru Technological University, Kakinada

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2013 - Till Date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, PG/UG guidance, research publications, academic leadership, NBA/NAAC coordination.
2011-2013	Assistant Professor	Sir C R Reddy College of Engineering, ELURU	--
2010-2011	Sr Lecturer	Gandhi Institute of Engineering and technology, Orissa.	--

Research Interests

Broad Area of Research:

- Deep Learning, FPGA-based AI Acceleration, Medical Image & Signal Processing, Healthcare Monitoring Systems, and MLOps for Real-time Healthcare Applications.
- Reliable Communication in Wireless Body Area Network
- Autonomous node implementation towards IoT for Wireless Body Area Network

Honors and Awards

- Best Paper Award – IEEE Conference ESPACE, AITAM (2015)

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Problem Solving Using Python Programming	UG
2	AI & ML in Healthcare	UG
3	Electronic Devices and Circuits	UG
4	Network Theory	UG
5	Microcontrollers and applications	UG
6	Computer Networks	UG
7	Analog Electronics and Circuits	UG
8	Linear Integrated Circuits	UG
9	Sensors and Transducers	UG
10	Process Control Instrumentation	UG
11	Bio – Medical Instrumentation	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.co.in/citations?hl=en&user=tGMck7MAAAAJ&view_op=list_works&sortby=title
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57196124818
ORCID	https://orcid.org/0000-0002-6344-7518
Research Gate	https://www.researchgate.net/profile/Mahammad_Shaik3

Recognized Research Supervisor

S.No.	Department	University
01.	EIE	--

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Portable FPGA-Based AI Device for Early Detection of PCOS in Rural Women Using Ultrasound Imaging	Applied	SreePVF	10,00,000	3 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Member of the Institutional IPR, Legal & Ethical Committee	VRSEC	2024-Present	Reviewing faculty/student research work for patentability, copyright, and ethical considerations
2	Campus Discipline Committee (CDCM) Member	VRSEC	2024-Present	Maintaining campus discipline by enforcing institutional policies, resolving student grievances, and fostering a safe academic environment.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Probability and Statistics	NPTEL	8 Weeks	2018
2.	Wireless Communication	NPTEL	12 Weeks	2020
3.	Digital Electronics	NPTEL	12 Weeks	2022
4.	PG certification in AI & DL	IIT-Guwahati	1 Year	2023

Consultancy / Industry Projects

Completed	00
On-going	00
Applied	01

Patents

S.No	Title	Status	Application No.	Year
1.	Wireless Portable Handheld Scanner Device	Under Examination	362265-001	2023

Ph.D

Awarded	00
Guiding	00

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

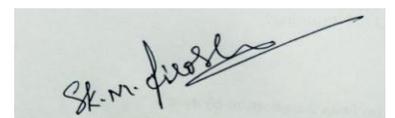
- Reviewer in International Journal of Sensors, Wireless Communications and Control
- Journal of Radiation Research and Applied Sciences

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	12
International / National Level Seminars	01/07
International / National Level Conferences	17/00
Workshops	07
Instructor Led / Self-Paced Courses	06
Webinars	06

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM145214	Indian Society for Technical Education (ISTE)
2.	AMI/25/01482	Artificial Intelligence, Machine Learning, Innovative, Entrepreneurs & Engineers (AMIEE) Association.



(Mahammad Firose Shaik)