

Ravindranadh Chowdary Vankina



Designation : Assistant Professor
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Contact at : Department of Electrical and Electronics Engineering,
 SAHE University, Kanuru, Vijayawada,
 Andhra Pradesh 520007.

Education

(Ph. D) (Electrical and Electronics Engineering)

NITA Agartala

AICTE QIP PG Diploma (Machine Learning and Cyber Physical Systems)

IIT Tiruchirapalli, Tamil Nadu

M.Tech (Power and Energy Systems)

2013, NITK Surathkal

B.Tech (Electrical and Electronics Engineering)

2011, VIT Vellore

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2021-Present	Assistant Professor	SAHE University	In-charge of Time Tables, EES Lab Incharge, Robotics Club Incharge, E-yantra program (IITB) co-ordinator, AQAR Criteria 1 Incharge, AQAR Criteria 2 Incharge, Campx and CMS Coordinator, Department Minors Coordinator , Department CBCS Coordinator, Councelling Incharge .
2018-2021	Research Assistant	IIT Mumbai	Research publications, Worked on mode transition for

			hybrid ACDC microgrids
2014-2017	Assistant Professor	GITAM University	Research publications, Teaching, Established AEMP student chapter, Established Measurements Lab and Electrical Networks Lab, Prepared "EnrgEE", a monthly newsletter of EEE Department.
2013-2014	Teaching Associate	NITUK, Srinagar Garhwal	UG guidance, Research publications, Teaching, Assisted in Establishment of Power System Lab

Research Interests

Broad Area of Research:

Distributed Energy Resources, Micro grids, Energy Markets and Pricing, Converter topologies and Control, Real time simulation and emulation, Multi-objective Optimization using heuristic Methods and Machine learning algorithms and their applications to power system.

Honors and Awards

- Secured a Topper Certificate in the NPTEL – SWAYAM course titled "Introduction to Internet of Things" during Jan-Apr, 2024 with a score of 94 %.
- Secured a Topper Certificate in the NPTEL – SWAYAM course titled "Cloud Computing" during Jan-Apr, 2024 with a score of 86 %
- Secured a Topper Certificate in the NPTEL – SWAYAM course titled "Database Management Systems" during Jan-Apr, 2025 with a score of 68 %
- Appointed as STUDENT ADVISOR of "Association of Energy Management Professionals (AEMP) - Student Chapter" at GITAM University, Bengaluru campus.
- Received "Merit Scholarship" three times continuously for academic performance in the years 2011-2010, 2009-2010, 2008-2009 at VIT University, Vellore.
- Secured "994th" rank in Electrical Engineering (EE) paper in GATE2010 with a gate score of 571

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Renewable energy Systems	UG
2	Solar Photovoltaic's	UG
3	Universal Human Values	UG
4	Python Programming	UG
5	Programming using C	UG

6	Basic Electrical Engineering	UG
7	Power Generation and Transmission	UG
8	Power Systems Analysis	UG
9	Power System Protection	UG
10	Electromagnetic Field theory	UG
11	High voltage engineering,	UG
12	Electrical Utilisation and Traction	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?user=TRdGHigAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57222734971
ORCID	https://orcid.org/0000-0002-6691-7263
Publons	https://publons.com/researcher/4416950/ravindranadh-vankina/
Research Gate	https://www.researchgate.net/profile/Ravindranadh-Vankina
LinkedIn	https://in.linkedin.com/in/ravindranadh-vankina-161566b1

Recognized Research Supervisor

S.No.	Department	University
01.	NIL	NIL

Funded Research Projects

SNo.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	NIL	NIL	NIL	NIL	NIL	NIL

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	In-charge of Time Tables	SAHE University	2022- present	The Time-Table In-Charge Duties include collecting course and faculty requirements, allocating classrooms and lab slots, resolving scheduling conflicts,

				and ensuring balanced workloads for faculty and students.
2	EES Lab Incharge,	SAHE University	2022- present	Different modules which includes Induction Motors, AC/DC Drives, LV Switch Gear are present in the lab
3	Robotics Club Incharge and E-yantra program (IITB) co-ordinator,	SAHE University	2024- present	Key duties include organizing training sessions, and competitions; guiding students in designing and building robotic projects; managing club resources, equipment, and budgets; and encouraging participation in intercollegiate events and hackathons.
4	NBA Committee Member	SAHE University	2021- present	Prepares and maintains compliance with NBA Criteria 1
5	NAAC Committee Member	SAHE University	2022- present	Prepares and maintains compliance with NAAC Criteria
6	AQAR Criteria 1 & Criteria 2 Incharge,	SAHE University	2024- present	Prepares and maintains compliance with AQAR Criteria 1 and 2
7	Campx and CMS Coordinator,	SAHE University	2022- present	Prepares and maintains compliance with CAMPX and CMS Software
8	Department Minors Coordinator ,	SAHE University	2023- present	Responsibilities include scheduling and offering minor courses, guiding students in selecting suitable minors, ensuring prerequisite and credit requirements are met, and coordinating with other departments for interdepartmental minors.
9	Department CBCS Coordinator,	SAHE University	2023- present	Key duties include guiding curriculum design and credit allocation, coordinating elective offerings and student registrations,

				maintaining records of credits and grades, and ensuring smooth conduct of internal assessments and examinations
10	Counselling Incharge	SAHE University	2021- present	Maintains counselling details of all students in the department
11	AEMP faculty Advisor	GITAM University	2016-2017	The Faculty Advisor guides and supports students enrolled in the AEMP specialization or club. Duties include mentoring students on academic and project work and workshop activities, and facilitating industry interactions or internships.
12	Measurements and Networks lab Incharge	GITAM University	2015-2017	Established measurements and networks lab and maintains the lab records

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Introduction to Internet of Things	NPTEL	4 Months	Jan – Apr, 2024
2.	Cloud Computing	NPTEL	4 Months	Jan – Apr, 2024
3	Joy of Computing using Python	NPTEL	4 Months	Jan – Apr, 2024
4	Database Management Systems	NPTEL	4 Months	Jan – Apr, 2025
5	eLSI: Basics of Embedded Systems and Robotics	eYantra, IITB	2.5 Months	Jan – Mar, 2025

Consultancy / Industry Projects

Completed	00
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On-going	00
Applied	00

Patents

S.No	Title	Status	Application No.	Year
1.	NIL	NIL	NIL	NIL

Ph.D

Awarded	00
Guiding	00

Invited Talks

No. of Invited Talks	00
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Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	19
International / National Level Seminars	0/0
International / National Level Conferences	13/0
Workshops	27
Instructor Led / Self-Paced Courses	7
Webinars	2

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	M-1818427	Institute of Engineers IE(I)
2.	97317624	Institution of Electrical and Electronics Engineers (IEEE)
3	-	Association of Energy Management Professionals (AEMP)
4	510075	International Association for Engineers(IAENG)

Ravindra V

(16-09-2025)