

Dr B Venkateswara Rao



Designation : Associate Professor
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Contact at : EE217, Department of Electrical and Electronics Engineering,
V R Siddhartha School of Engineering,
Siddhartha Academy of Higher Education,
Kanuru, Vijayawada, Andhra Pradesh- 520007.

Education

Ph. D (Electrical Engineering)

2015, Jawaharlal Nehru Technological University, Hyderabad

M.Tech (Electrical Power Engineering)

2007, Jawaharlal Nehru Technological University, Hyderabad

B.E (Electrical and Electronics Engineering)

2000, College of Engineering GITAM, Andhra University, Visakhapatnam

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2016-Till date	Associate Professor	Velagapudi Ramakrishna Siddhartha School of Engineering, Siddhartha University, Vijayawada	Associate Dean Academics Research Programs Policy development Committee Member Academic Council Member PBAS Verification Committee Member Anti Ragging Squad Member Department Ph.D Program Coordinator PG Coordinator DAB Member NBA Criterion 5 Coordinator NAAC Criterion 3 Coordinator
2012-2016	Assistant Professor	GITAM University, Visakhapatnam	NPTEL Coordinator for EEE department Research Coordinator for EEE department

2008-2012	Associate Professor	Thandra Paparaya Institute of Science and Technology, Bobbili	Head of the Department
2003-2008	Assistant Professor	Thandra Paparaya Institute of Science and Technology, Bobbili	Time Table In-charge
2001-2003	Hardware and Network Engineer	CMC Ltd, Hyderabad	worked in the Chief Ministers office for the maintenance and upkeep of the network and IT infrastructure available with different departments

Research Interests

Broad Area of Research:

Power System, Optimizaion Techniques

Honors and Awards

- Awarded with certificate of OUTSTANDING FACULTY IN ENGINEERING (Specialization- Electrical and Electronics) at Venus International Faculty Awards - VIFA 2017 on July 8, 2017.
- "Certificate of outstanding contribution in reviewing" award, 2015, issued by IJEPES, ELSEVIER.
- "Certificate of outstanding contribution in reviewing" award, 2017 from Ain Shams Engg. Journal, ELSEVIER.
- BEST Paper award (ICIPDIM -2019&ICIPDIM -2021,National Institute of Technology-Rourkela, Odisha)
- Received a certificate of appreciation for being recognized as NPTEL Computer Science and Engineering Discipline Star, JAN-APR 2025.
- Received an Elite + Silver and Top 5% NPTEL online certificate for successfully completing the course "Introduction to Internet of Things" with a consolidated score of 88%.
- Received an Elite + Silver and Top 2% NPTEL online certificate for successfully completing the course "Cloud Computing" with a consolidated score of 83%.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Reactive Power Control and FACTS	PG
2	HVDC Transmission	PG
3	Optimization Techniques in Power Systems	PG
4	Utilization of Electrical Energy	UG
5	Power Systems – I	UG
6	Power System – II	UG
7	Electrical Distribution Systems	UG
8	Optimization Techniques	UG
9	Renewable energy systems	UG
10	Network Analysis – I	UG
11	Network Analysis – II	UG
12	Basic Electrical Engineering	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?user=la5vXU0AAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=35771668100
ORCID	https://orcid.org/0000-0003-4281-8831
dblp	https://dblp.uni-trier.de/pers/hd/r/Rao:B=_Venkateswara
Publons	https://publons.com/researcher/1449858/bathina-venkateswara-rao/
Research Gate	https://www.researchgate.net/profile/Bathina_Rao
LinkedIn	https://www.linkedin.com/in/b-venkateswara-rao-2b46701b0/

Recognized Research Supervisor

S.No.	Department	University
01.	Electrical and Electronics Engineering	Siddhartha Academy of Higher Education
02.	Electrical and Electronics Engineering	Annamalai University, Annamalai Nagar, Tamilnadu
03.	Electrical and Electronics Engineering	Jawaharlal Nehru Technological University, Kakinada

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Artificial Intelligence Based Personal Assistant for Seminar Halls using Raspberry PI	Completed	IEI - R&D Division - Kolkata	15,000	6 months
02.	Funded	Cybernation of Home Appliances Using Raspberry PI	Completed	IEI - R&D Division - Kolkata	17,700	6 months

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Associate Dean- Academics	Siddhartha Academy of Higher Education	2025 - Present	Steering the academic initiatives of the University.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Machine Learning for Engineering and Science applications	NPTEL	12 Weeks	2025
2.	Software Testing	NPTEL	4 Weeks	2025
3.	Introduction to Internet of Things	NPTEL	12 Weeks	2024
4.	The Joy of Computing using Python	NPTEL	12 Weeks	2024
5.	Python for Data Science	NPTEL	4 Weeks	2024
6.	Design Thinking - A Primer	NPTEL	4 Weeks	2024
7.	Cloud Computing	NPTEL	12 Weeks	2023
8.	Recent Advances in Transmission Insulators	NPTEL	4 Weeks	2018
9.	Outcome Based Pedagogic Principles for Effective Teaching	NPTEL	4 Weeks	2018

Consultancy / Industry Projects

Completed	00
On-going	00
Applied	00

Patents

S.No	Title	Status	Application No.	Year
1	Solar Powered Autonomous Seed Sowing Machine	Published	202341010538	2023
2	Solar Home Automation And Security System	Published	202241074118	2022
3	Photovoltaic Solar Power Generation with Maximum Power Point Tracking	Published	202241067475	2022
4	Electric Field Distribution Factor for Optimization of Gas Insulated Bus Duct	Published	202241016653 A	2022

Ph.D

Awarded	01
Guiding	04

Invited Talks

No. of Invited Talks	03
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Professional Service / Reviewer

- Reviewer for the International Journal of Electrical Power and Energy Systems, Elsevier
- Reviewer for the Electrical Power System Research, Elsevier
- Reviewer for the ISA Transactions, Elsevier
- Reviewer for the Sustainable Energy Technologies and Assessments, Elsevier
- Reviewer for the Computers & Electrical Engineering, Elsevier
- Reviewer for the Ain Shams Engineering Journal, Elsevier
- Reviewer for the Symmetry, MDPI
- Reviewer for IJCM in Electrical and Electronics Engineering, COMPEL
- Reviewer for IET Renewable Power Generation
- Editorial Board Member for A R Research Publications & Conference world.
- Editor-in-Chief of the Journal of Advances in Electrical Devices for the year 2021- 2022.
- Editorial Board Member for **Journal of Control Systems and Converters**

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	21
International / National Level Seminars	04 / 32
International / National Level Conferences	36 / 06
Workshops	10
Instructor Led / Self-Paced Courses	09
Webinars	08

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	M 157270-3	Institution of Engineers (IE)-Chartered Engineer
2.	LM 116382	Indian Society for Technical Education (ISTE)
3.	LM/2231/2017	Solar Energy Society of India (SESI)



11-09-2025

(Dr B Venkateswara Rao)
