

DR. B. RUPA VENKATESWARA RAO



Designation : Assistant Professor
E-Mail ID : rupaphysics@gmail.com
Contact at : S&H-I 309, Department of Physics,
Velagapudi Ramakrishna Siddhartha School of Engineering,
Siddhartha Academy of Higher Education,
Deemed to be University,
Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Physics)

2014, Acharya Nagarjuna University, Guntur

M.Sc (Physics)

2005, University of Madras, Chennai

B.Sc (M.P.C)

2002, Acharya Nagarjuna University, Guntur

Experience

Period	Designation	Institution / Organization	Period
2008-2022	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC)	2008-2022
2005-2008	Assistant Professor	Koneru Lakshmaiah College of Engineering (KLCE)	2005-2008

Research Interests

Broad Area of Research:

Glass Science and Technology, Nano Materials, Phosphors and Material Science

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S.No	Course Name	Level (UG/PG)
1	Engineering Physics	UG
2	Applied Physics	UG
3	Physics For Engineers	UG
4	Circuit Theory/Network Analysis	UG

Google Scholar	https://scholar.google.com/citations?user=3xNapvMAAAAJ&hl=en
Scopus	https://www.scopus.com/freelookup/form/author.uri?orcidId=0000-0001-9912-0114
ORCID	https://orcid.org/0000-0001-9912-0114
dblp	-----
Publons	https://publons.com/researcher/1332864/rupa-b/
Research Gate	https://www.researchgate.net/profile/Rupa_V_rao
LinkedIn	https://www.linkedin.com/in/dr-rupa-v-rao-b-b704021a9/

S.No.	Department	University
01.	Physics	Siddhartha Academy of Higher Education

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Physics Lab In-charge	VRSEC	2021-2025	Lab Management, Budgeting and Procurement, Equipment Maintenance, Lab Organization, Curriculum Development, Inventory Management, Record Keeping
2	Course Coordinator	VRSEC	2018-till date	Course Planning, Curriculum Development, Course Materials, Assessment and Evaluation
3	NAAC/NBA Coordinator	VRSEC	2008-till date	Documentation, File Management, Record Keeping and Quality Assurance
4	Curriculum development	VRSEC	2008-till date	Course Structure, Designing Learning Objectives and Content Development
5	AQAR Coordinator	VRSEC	2020-2024	Coordinating Documentation and Dissemination of Information
6	Proctor and Class Teacher	VRSEC	2008-till date	Academic Guidance, Student Tracking, Mentorship, Attendance Monitoring, Behavioural Support, Collaboration with Teachers and Parent-Teacher Meetings
7	Member in Institution Discipline committee	VRSEC	2014-2022	Maintaining Discipline, Investigating Incidents, Decision-Making, Enforcing Rules and Student Support
8	Member in College Annual Day, AFOSEC committee	VRSEC	2008-till date	Event Planning, Coordination, Activity Management and Student Participation

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Inculcating Universal Human Values in Technical Education	AICTE	1Week	2020
2.	Quantum Mechanics	Coursera	4Wweek	2020
3	Semiconductor Physics	Coursera	4Wweek	2020
4.	NEP2020 Orientation & Sensitization Programme	UGC	10Days	2024

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

S.No	Title	Status	Application No.	Year
1.	Self-Assembling Organic Nanomaterials for Targeted Drug Delivery	Published	202341032906A	2023
2.	Decoding of Nanomaterials Statistical tools for XRD and FTIR data interpretation	Published	202541056147A	2025

Ph.D

Awarded	-
Guiding	1

Invited Talks

No. of Invited Talks	-
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Professional Service / Reviewer

- 1 Reviewer, Engineering Physics Journal, Science Publishing Group, New York, USA
- 2 Reviewer in Macromolecular Symposia, WILEY
- 3 Reviewer in Indian Journal of Pure & Applied Physics, CSIR-NISCAIR
- 4 Reviewer in Material Science Research India
- 5 Reviewer in Boson Journal of Modern Physics
- 6 Reviewer in Oriental Journal of Physical Sciences
- 7 Editorial Member in International Journal of Computational Mathematical Ideas

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	10
International / National Level Seminars	10 / 12
International / National Level Conferences	11 / 07
Workshops	18
Instructor Led / Self-Paced Courses	04

Webinars	23
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Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LMB4091	Materials Research Society of India (MRSI)
2.	176249	International Association of Engineers (IAENG)

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