

Faculty Profile:



Name : **Vinita Mirdha**
Subject : Physics
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Educational Qualifications:

Examination	Year of passing	University/ Institution	Division
M.Sc. (Physics)	2011	Banasthali University, Tonk	First
B.Sc.	2009	Banasthali University, Tonk	First
Sr. Secondary	2006	RBSE, Ajmer	First
Secondary	2004	RBSE, Ajmer	First

Professional Qualification:

- **CSIR –UGC - NET/ JRF** (Junior Research Fellow) All India Rank -158.
- **SET -2012** (RPSC).
- **GATE** (Graduate Aptitude Test in Engineering) – 2014.
- Ph.D. -2024 on the Topic “**Design and Analysis of Circularly Polarized Planar Microstrip Antennas with Improved Gain for Space Applications**”, Under the Joint Supervision of Prof. Deepak Bhatnagar and Prof. V. K. Saxena from Dept. of Physics, Rajasthan University, Jaipur

Teaching Experience:

- Assistant Professor (Physics) RPSC, Govt. of Rajasthan from 11 Sept. 2018 to till date.
- School Lecturer (Govt. of Rajasthan) Physics, Govt. Sr. Sec. School, Chuntisara, Nagaur,
From June, 2017 to September, 2018.
- Research Associate , Physics(B.Tech., B.Sc., and M.Sc. classes), Banasthali University,
Rajasthan, India, 2014-15.

- Assistant Professor (Guest Faculty), Physics (B.Tech), Govt. Engineering College, Banswara, Rajasthan, India, 2013-14.

Orientation/ Refresher Course Attended:

- Participated in Shikshak Dakshata Samvardhan Orientation Programme Organised by Samrat Prithviraj Chouhan government college, Ajmer held on 1st – 2nd March 2019.
- Attended and completed **Induction**/Orientation programme for “faculty in universities/colleges of higher education” from December 10, 2020 – January 8, 2021 with grade A+ conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, PMMMNMTT.
- Attended and completed Two week **Refresher programme** (Advanced research Methodology) for “faculty in universities/colleges of higher education” from January 22, 2022 – February 05, 2022 with grade A+ conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, PMMMNMTT.

Online Faculty Development Programs Attended:

- Attended TEQIP-III sponsored faculty development program on Recent Trends in Material Science and Engineering (RTMSE-2020) organized by SKIT, RTU (Kota) dated August, 20-21, 2020.
- Attended One Week FDP on “ICT Learning and E-content development” organized by IQAC Cell, Placement and Soft Skill Development Cell in Association with IGNOU regional Centre Lucknow, July 20-26, 2020.

Abstracts & Poster presented in National and International Conferences:

- Poster presentation on "Band structure engineering and lasing characteristics of InGaAlAs-InP square Quantum Well Laser”, in National Symposium on Materials for Advanced Technology” (NSMAT-2011) organized by School of Physical Sciences, Banasthali university during March, 27-29, 2011, Rajasthan, India.
- One Week Short Term Training Program on Writing a Research Paper using LATEX,
(Under TEQIP-II) organized by Govt. Women Engineering College, Ajmer during Oct 28-Nov 1, 2015.
- Participated in “Rastriya Hindi Vigyan Sammelan” organized by University of Rajasthan on 16-17, December, 2016.
- Abstract submitted for paper presentation on the topic “Gain enhanced Circularly Polarized Monopole Antenna with FSS enabled reflector” in ICICCIS-2022, SKIT, Jaipur.
- Presented paper in 1st SSHA International conference organized by PDUSU, Sikar held on 29-30 November, 2019.
- Presented paper in national conference on “Gender equality: Issues and Challenges in India, December 23-24, 2019.
- Participated in One Day National Webinar on “Recent Trends in Physics” organized by Samrat Prithviraj Chouhan Government College, Ajmer held on 30th July, 2020.
- Participated in International conclave on “Contemporary Physics: The New paradigm Shift-II Series” organized by Rajdhani College, University of Delhi, February 27-28, 2021.
- Participated in the National Workshop and hands on training in Microwave Experiments (HTME-2022) Organized by Dept. of Physics, Kanoria PG Mahila Mahavidhyalaya, Jaipur, February 18-19, 2022.

Project work experience

- B.Sc. project on 'Study of Hydrogen Spectrum' and Study of Iodine Vapour' at Banasthal University, Rajasthan, India (2009).
- In statistics, A Project on "Status of Poverty and child Labour in Banasthali University" Using statistical techniques in B.Sc. (2009).
- Summer project in M.Sc. on "Simulation and Modelling of Nano-Structure" at Banasthali University, Rajasthan, India (2010).
- M.Sc. Project on "Band Structure Engineering and Lasing Characteristics of InGaAlAs-InP Square Quantum Well Laser" at Banasthali University, Rajasthan, India (2011).

Computer Skills

- Programming language: Proficient in Basic Knowledge of C.
- Operating systems : Microsoft Windows.
- Certification: Computer programming and applications.

Other Activities

- In charge of NSS Girls wing, Govt. Bangur College, Didwana (Nagaur)
- Member of IQAC Cell.
- Member of CM scholarship committee.

