

CURRICULUM VITAE

Permanent Address:

Name: **PREETI AGARWAL MITTAL**

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WORK EXPERIENCE

Institute	Designation	Duration
H. B. T. U., Kanpur	Guest Faculty	July, 2013- till date
Motilal Nehru National Institute of Technology, Allahabad (MNNIT, Allahabad)	Senior Research Fellow	Dec. 1, 2008-Jul. 10, 2009
B. B. S. College of Engineering & Technology, Allahabad	Lecturer	Sep. 21, 2007 – Nov. 26, 2008

EDUCATION

Examination	Passing Year	University/ Board	Percentage/CPI
Ph. D.	March, 2015	MNNIT, Allahabad	8.5/10
M.Tech. (Power Electronics & ASIC Design)	2011	MNNIT, Allahabad	9.30/10 (Gold Medalist)
B. Tech. (Electronics & Communication Engg.)	2007	U. P. T. U, Lucknow	74.44%

- **Gold Medal was awarded during M. Tech for standing first in academics.**

International Journals:

- 1) **Preeti Agarwal**, Anshul Agarwal and Vineeta Agarwal, “High Frequency Power Generation Using Cycloinverter with SVM”, *International Review of Electrical Engineering IREE* 2012, vol.7, no. 6, pp. 6005-6013.
- 2) **Preeti Agarwal** and Vineeta Agarwal “A Novel Approach of Space Vector Modulation for Cycloinverter Using Genetic Algorithm”, *IET Power Electronics*, vol. 6, no. 8, May 2013, pp. 1723-1731.
- 3) Mayank Kumar, **Preeti Agarwal** and Vineeta Agarwal, "A Novel Soft Switched Cycloinverter," *IEEE Transactions on Industrial Electronics*, vol.62, no.1, Jan. 2015, pp.153-162.
- 4) **Preeti Agarwal**, Vineeta Agarwal, Anshul Agarwal, “FPGA Based Space Vector Pulse Width Modulated Single-Phase to Three-Phase Converter” published in *Electric Power Component and Systems Taylor Francis* doi 10.1080/03772063.2017.1384333.
- 5) Preeti Agarwal Mittal, “Novel approach of High Frequency Power Generation using Space Vector Modulation technique with Solid State Transformer” published in *International research Journal of Science Engineering and Technology , Research Gateway*, vol. 10, issue 1 Jan 2020.
- 6) Vasu Dixit, **Preeti Agarwal Mittal**, “A Comparative Analysis of ANN Algorithms Performance for Maximum Power Point Tracking in Solar PV System” communicated in *International Journal for Research in Applied Science and Engineering Technology*.

International Conferences: 04

PATENT DETAILS

“AN APPARATUS OF POWER CONVERTER FROM SINGLE PHASE TO THREE PHASE AND METHOD THEREOF” application no. 201611035744, Patent no. 380494 awarded in (October 2021) Indian Territory.

PERSONAL INFORMATION

Spouse Name : **Mr. Arpit Mittal**

Nationality : **Indian**