

**EEE Department**  
**Details of Annual Report 2022**

1. List of faculty member who have completed M.Tech/Ph.D. in 2022.

Faculty members who have completed Ph.D. are

- i. Dr. Sunil Kumar Pandey

2. List of faculty member pursuing M.Tech /Ph.D.

Faculty members pursuing Ph.D. are

- i. Mr. Udyan Kumar Jha  
ii. Mr. Ashok Goyal  
iii. Mr. Sheersh Kumar Garg  
iv. Mr. Jitender Lather  
v. Ms. Poonam Juneja  
vi. Ms. Supriya Sharma  
vii. Ms. Shashibala Aggarwal  
viii. Ms. Monika Bhardwaj  
ix. Mr. Ravi Sharma  
x. Mr. Lalit Agarwal  
xi. Ms. Neha Aggarwal  
xii. Mr. Chandrakesh Shukla

3. List of publications of faculty and students in 2022

**Research paper published after 31 august 2021 to 31 August 2022**

S. No.	Name	National/International/Patent	Conference/Journal/Patent	Conference/Journal Name/Patent	Number of publication with detail
1	Prof Rajveer Mittal	International	Journal	International Journal of Scientific Research in Engineering and Management	Substation Monitoring and Controlling Using Microcontroller, Dec 2021, ISSN:2582-3930
2	Prof Satvir Deswal	International	Journal	Physical and Engineering Sciences in Medicine, Springer	Threshold Voltage Sensitivity Analysis of Surrounding Gate MOSFET for Bio sensing Applications <a href="https://doi.org/10.21203/rs.3.rs-1287832/v1">https://doi.org/10.21203/rs.3.rs-1287832/v1</a>
3	Prof Satvir Deswal	International	Journal	IEEE Sensors Journal, vol. 21, no. 15, pp. 16731-16743, 1, August 2021	Dielectric Modulated Junction less Bio tube FET (DM-JL-BT-FET) Bio-Sensor,

4	Dr. Monika Gupta	International	Conference	2nd International Conference on Signals, Machine & Automation (SIGMA) 2022, Netaji Subhas University of Technology, 5 – 6 Aug, 2022, New Delhi, India	Energy Management System of Standalone DC Microgrid
5	Dr Neelu Nagpal	International	Journal	International Journal of Scientific Research in Engineering and Management	IoT Based Smart Parking and Green Charging System, Jan2022, ISSN:2582-3930
6	Dr Neelu Nagpal	International	Journal	IEEE Transactions of Industrial Informatics August 2021, 10.1109/TII.2021.3107396	Decentralised Stochastic Disturbance Observer-Based Optimal Frequency Control Method for Interconnected Power Systems with High Renewable Shares
7	Dr Sunil Pandey	International	Conference	IEEE International Conference on Computing , Communication and Automation (Online) held on Dec17-19, 2021	Single Phase PV-BES Small Hydro System for Critical Loads with Synchronization Capability 10.1109/ICCCA52142.2021.9666262 Acc. No. 214569
8	Dr Laxya Singla	International	Conference	International Conference on Advance Computing and Innovative Technologies in Engineering, held on April28-29, 2022 at Greater Noida, India	Voltage-mode Low -loss Filter Using FTFNT
9	Dr Laxya Singla	International	Conference	International Conference on Recent Development in Control Automation and Engineering, Greater Noida, India, pp. 392-398.	A Study on Development of CNTFET Based Analog and Digital Circuit
10	Dr Laxya Singla	PATENT	Germany Patent	Ein System Zur Entwickling physischen intelligenten VLSI- Chip IPC : G06F 30/30	Urkunde Uber Die Eintragung des Gebrauchsmusters Nr. 20 2021 106 865 15/02/2022
11	Ms. Neha Agarwal	International	Conference	International Conference on Innovative Computing and Communication, New Delhi, India	Dynamic State Estimation of a Multi-Source Isolated Power System Using Unscented Kalman Filter. Feb 2022
12	Mr. Ravi Sharma	International	Conference	IEEE International Conference on Industrial Electronics Research and Applications held on Dec19-20, 2021 at Delhi, India.	Design of a Hybrid Renewable Energy Operated Commercial Establishment. 10.1109/ICIERA53202.2021.9726744
13	Mr Jitender Lather	International	Conference	9th International conference on Microelectronics' Circuit & System held on 25-26 June,2022 in Jaipur, Rajasthan	Analog /RF performance Analysis for cylindrical Gate Stacked Junction- Less Accumulation Mode MOSFET

14	Mr Jitender Lather	International	Conference	9th International conference on Microelectronics, Circuit & System held on 25-26 June, 2022 in Jaipur, Rajasthan	Design of Low Pass & High Pass Active Filters using 20nm cylindrical Gate Stacked Junction- Less Accumulation Mode MOSFET
15	Ms. Poonam Juneja	International	Journal	International journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering	Cost Minimization of Charging stations Using PV Array, March 2022, DOI: 10.17148/IJIREEICE.10311
16	Ms. Supriya Sharma	International	Conference	2nd International Conference on Signals, Machine & Automation (SIGMA) 2022, Netaji Subhas University of Technology, 5 – 6 Aug, 2022, New Delhi, India	Energy Management System of Standalone DC Microgrid
17	Ms. Monika Bhardwaj	International	Conference	International Conference on Smart Energy and Advancement in Power Technologies, National Institute of Technology, 6 – 8 Sept, 2021 Jharkhand, India	Performance analysis of a Micro grid system connected to a Grid using EHO Optimization Technique, 10.1109/ICCCIS48478.2019.8974480