

Research contribution

Patents Published:

S.No.	Name of Faculty member	Title of patent published	Patent/ Copyright Application Number
1	Mrs. Anuradha	A SYSTEM FOR SOLAR PV FORECASTING USING MACHINE LEARNING INTERFACE AND METHOD	Published in JournalNo.53/2021
2	Mrs. Anuradha	A SYSTEM FOR FINDING EFFECT OF FUEL REPLACEMENT ON PERFORMANCE OF HYBRID ENERGY SYSTEM”	Published in JournalNo.02/2022
3	Mrs. Kavita Jaiswal	ACONTROL SYSTEM BASED ON AI& ML FOR AN INHALING DEVICE AND METHOD THEREOF	Published in Journal No:- 202231001901

RESEARCH PROJECT :

Title-Hybrid Renewable Energy at Remote Areas of Uttarakhand – A Techno Economic Analysis

PI: Mrs. Anuradha,

Co-PI :Dr. S.P.Gupta

External Co PI:Dr. Sanjay Sinha

Funding Agency:TEQIP-3

RESEARCH PAPERS:

2021

1. Mrs. Anuradha, Dr. A.S.Yadav, Dr. Sanjay Sinha, attended and presented a paper entitled, "SOLAR -WIND BASED HYBRID ENERGY SYSTEM: MODELING AND SIMULATION" IEEE conference RDCAPE 21 on October 6-7, 2021.
2. Fidah Sheikh, Govind Rai Goyal, Aadesh Kumar Arya, BhanuPratapSoni, "Contingency Ranking for Voltage Stability in Power System," IEEE International Conference on Electronics, Computing, and communication Technologies (IEEE CONECCT 2021), Organized by Indian Institute of Science, Bangalore, July 9-11, 2021. [Status: Accepted for forwarding for publication in the Proceedings of 2021 IEEE CONECCT on IEEE Xplore subsequently]
3. Govind Rai Goyal, and Shelly Vadhera, "Multi-interval programming based scheduling of appliances with user preferences and dynamic pricing in residential area," Sustainable Energy, Grids and Networks (2021): 100511. (SCI, Scopus)
4. Uddeshya Kumar, Sam Joseph Paul, Siddharth Jain, "Biochar: A source of nano catalyst in transesterification process" Materials Today: Proceedings, 2020, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2020.09.248>.
5. Sam Joseph Paul, Uddeshya Kumar, Siddharth Jain, "Photovoltaic cells cooling techniques for energy efficiency optimization", Materials Today: Proceedings, 2020, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2020.09.197>.

2020

1. Aadesh Kumar Arya, Ashwani Kumar and Saurabh Chanana. "Assessment of Deployment of DGs and D-STATCOMs in Distribution Network using Gravitational Search Algorithm" International Journal of Recent Technology and Engineering

2. Abhishek Verma, Ashutosh Shukla, Ashwani Kumar, “Heart disease prediction using machine learning Techniques & artificial intelligence” International Journal of Scientific Research in Engineering and Management (IJSREM)

Ansil Sharma, Govind Rai, “Optimal setting of parameters of power system controllers using PSO technique for economic load dispatch”, Proc. TEQIP III sponsored International Conference on Science and Computing (ICSC 2021), Vivekananda Institute of Technology, Jaipur, Organized by Rajasthan Technical University, Kota, 23rd -25th Jan. 2021, RTU_VIT_CONF/INT/2020-21/46