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AREAS OF EXPERTISE

Electrical and Electronic Engineering

Energy Management, Control and Instrumentation

EDUCATION

M.Tech 2013

Delhi Technological University

B.Tech 2008

Maharaja Agrasen Institute of Technology

PROFESSIONAL EXPERIENCE

Maharaja Agrasen Institute of Technology 2011 - Present

Assistant Professor

Bhagwan Parshuram Institute of Technology 2008 - 2010

Assistant Professor

North West

HONOURS AND AWARDS

Appreciation Certificate for publishing research paper in 2024-25 2025

Awarded by: Maharaja Agrasen Institute of technology

Appreciation Certificate for publishing research paper in 2023-24 2024

Awarded by: Maharaja Agrasen Institute of technology

Appreciation Certificate for publishing research paper in 2022-23 2023

Awarded by: Maharaja Agrasen Institute of technology

PROFESSIONAL MEMBERSHIPS

International Association of Engineers (IAENG) 2021

Member

PATENTS

BIOMORPHIC ECG SMART PENDANT

Inventor(s): Ms. Supriya Sharma; Dr. Poonam Juneja; Ms. Karuna Middha; Dr. Simmi Sharma; Dr. Neha Khanduja

Assignee: Ms. Supriya Sharma; Dr. Poonam Juneja; Ms. Karuna Middha; Dr. Simmi Sharma; Dr. Neha Khanduja |

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PUBLICATIONS

1. **Development of an ANH control algorithm for improved power quality in EV-PV microgrids**

Supriya Sharma, Pankaj Gupta

Sadhana , Vol. (2025) , pp.

2. **An Insight into the Advancement of Energy Management of Electricity Islands**

Supriya Sharma, Pankaj Gupta

International Conference on Signal, Machines, Automation, and Algorithm , Vol. (2023) , pp.

3. **A Blockchain Based Energy Management System for Microgrids**

Anshita Rawat, Manav Arora, Gaurav Bhadula, Supriya Sharma

International Journal for Research in Applied Science \& Engineering Technology , Vol. 11 (2023) , pp. 1313

4. **'Energy Management System of Standalone DC Microgrid '**

'Sharma, Supriya Gupta, Pankaj '

International Conference on Signals, Machines, and Automation , Vol. (2022) , pp. '113--121 '

5. **Electronic Eye for Security System**

Poonam Juneja and Supriya Sharma and Devayanshu Mittal and Lokesh Kumar

International Journal of Latest Technology in Engineering Management \& Applied Science , Vol. 6 (2017)

6. **Travesafe: An Electronic Security Monitoring System Using GPS-GSM and RF Communication**

Poonam Juneja and Supriya Sharma and Shubham Jain and Rajat Anand and Sahil Sharma

International Journal of Latest Technology in Engineering Management \& Applied Science , Vol. 6 (2017)