

**1. Name: Prerna Kakkar**

**2. Education:**

- **Ph.D:** “ A Portable Imaging System For Clinical Applications ”. Electrical Engineering Department, Jamia Millia Islamia, New Delhi, INDIA.(Pursuing)
- **Master of Engineering:** Electronics & Communication, Manav Rachna International University (NAAC A Grade) FET, Faridabad, Haryana ,INDIA, 2011.
- **Bachelor of Engineering:** Electronics & Communication Engineering, Maharishi Dayanand University, INDIA, 2009.

**3. Academic experience:**

- Manav Rachna Institute of Research and Studies MRIIRS (NAAC A Grade) FET, Faridabad, Haryana, India. Assistant Professor in ECE department (9<sup>th</sup> July 2011 to till date) Full Time.

**4. Non-academic experience:** Nil

**5. Certifications or professional registrations:** Nil

**6. Current membership in professional organizations:** IAENG (International Association for Engineers) and MHRD -GIAN

**7. Honors and awards:** Nil

**8. Service activities (within and outside of the institution):**

- Guided various B.Tech Projects
- Project Coordinator of ECE department
- Project Lab Coordinator of ECE department
- Class Mentorship
- Training Supervisor of ECE department

**9. publications:**

- ‘Failure Prediction Method Using Alarm Management System In Hybrid /Optical Networks’, Shilpa dua, Prerna Kakkar,IEEE conference ,Manav Rachna International university ,September 2011.
- ‘A Novel Approach To Recognition Of English Characters Using Artificial Neural Network’, Prerna kakkar, Umesh dutta , IJAREEIE ,JUNE 2014.  
[http://www.ijareeie.com/upload/2014/june/33\\_ANovel.pdf](http://www.ijareeie.com/upload/2014/june/33_ANovel.pdf)
- ‘Network link planning and designing fundamentals using a computer based tool’.Anu Tonk , Prerna kakkar, CISR Chandigarh, April 2016.
- “Designing of Optimized Combinational Circuits Using Particle Swarm Optimization Algorithm”, Ila Choudhary, Garima Grover, Prerna Kakkar, Advances in Computational Sciences and Technology, July-2017  
[https://www.rpublication.com/acst17/acstv10n8\\_18.pdf](https://www.rpublication.com/acst17/acstv10n8_18.pdf)

## **10. Recent professional development activities:**

- Participated in an ICT based AICTE recognized Short Term Training Program on “Embedded Systems” organized by Department of Electronics & Communication Engineering, NITTTR, Chandigarh from 19 March- 23 March, 2018.
- Participated in an ICT based AICTE recognized Short Term Training Program on “Wireless Communication” organized by Department of Electronics & Communication Engineering, NITTTR, Chandigarh from 30 October- 3 November, 2017.
- Participated in Workshop on “Preparation of Quality Self-Learning Support Material for MOOCs” organised during September 28-29, 2017 in I-Block Auditorium.
- Participated in ICT based training programme on ‘Strategic Management and SWOT Analysis for Institution Excellence’ conducted by EDIC Department, NITTTR Chandigarh from 21 - 25 August 2017 at MREI campus (Remote Center).
- Organizing member of ‘International Conference on Soft Computing Techniques and Implementations’ held during 8th till 10th October 2015. The Conference was technically supported by IEEE and ISI Kolkata.
- Attended ‘Professor Summit on ATMEGA 168PB and SAMD21 MCUS Embedded system design using AVR and ARM based MCUs on 29.9.15 and 30.6.15
- Member of core Team ‘IEEE INDICON 2015 International Conference’ held at Jamia Millia Islamia, New Delhi, December-2015.
- Member of core Team of MHRD GIAN Course on “Advances in neurotechnology for building the brain machine interface” held at Jamia Millia Islamia, New Delhi, December-2015.