



Name – Mr. Kuwar Pratap Singh  
Assistant Professor

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**Area or Subject:** Computer Science & Engineering

**Affiliation:** Department of Computer Science & Engineering, DELHI NCR Campus, SRM Institute of Science and Technology

## Education

PhD Pursuing.	Real time Image processing using Machine Learning	SRMIST
M. Tech	CSE	Jaypee University of Information Technology,2013
B. Tech	I.T	UPTU,2011

## Other Details

### Courses

C programming, Python Programming, Computer Network, Operating System, Machine Learning

### Research Interests

Machine Learning, Image Processing.

## Selected Publications

- Kumar Nishant, Pratik Sharma, Vishal Krishna, Chhavi Gupta and **Kuwar Pratap Singh** (March 2012): Load Balancing of Nodes in Cloud Using Ant Colony Optimization. 14th international conference on computer modeling and simulation (UKSim), at Cambridge.
- **Kuwar Pratap Singh**, P.K.Gupta, G.Singh (May 2013): Performance evaluation of Enhanced Interior Gateway Routing Protocol in IPV6 Network. International Journal of Computer Applications (0975 – 8887) volume 70-No.5, May 2013.
- **Kuwar Pratap Singh**, Reshu Tyagi, Rakesh Sharma (December 2017): Analysis of Routing protocols OSPF in IPV6 Network. International Conference on Technology & Trust.
- Reshu Tyagi, **Kuwar Pratap Singh** (December 2017): Multi-Objective Genetic Algorithm (MOGA)-A sequential approach to A priori Algorithm for Interesting Rule Mining. International Conference on Technology & Trust.
- **Kuwar Pratap Singh**, Suyash Srivastava, Prakhar Pathak (May 2021): DETECTION OF PLANT DISEASES USING MACHINE LEARNING. International Journal of Scientific Research in Engineering and management (2582-3930) volume:05 Issue:05, May 2021
- **Kuwar Pratap Singh**, Jayesh Sudarshan Tyagi, Udit Sharma (May 2021): Drowsiness Detection System Using Web-App. International Journal of Scientific Research in Engineering and management (2582-3930) volume:05 Issue:05, May 2021
- **Kuwar Pratap Singh**, Bhavya Jain, Arpan Saini (May 2021): F.R.I.D.A.Y–Voice Assistant. International Research Journal of Engineering and Technology (2395-0072) Volume: 08 Issue: 05, May 2021

- **Kuwar Pratap Singh**, Ashwani Kumar (June 2023): The Behavioral and Geographical Features Based Machine Learning Method for Alerting the Drivers.11th International Conference on Recent Trends in Computing (ICRTC 2023).

## Work in Progress

- **Kuwar Pratap Singh**, Ashwani Kumar: A Review on Efficient Detection of Driver Drowsiness, Speed Bumps, and Traffic Signs for Enhanced Road Safety(communicated). [Under Process].
- **Kuwar Pratap Singh**, Ashwani Kumar: Efficient Machine Learning Based Drowsiness Detection for Enhanced Driving Safety: Real Time Implementation(communicated). [Under Process].

## Awards and Achievements

- Achieved second position in Maharajganj district in Xth examination
- NET (National Eligibility Test) qualified in 2020.
- Qualified GATE 3 times Consecutively ( 2011,2012,2013)
- Recipient of MHRD Scholarship during M. Tech. (2011-13).
- Received 25% of Tution fees in B.Tech as scholarship (secured 2nd position in class).
- Awarded NPTEL Online Course ‘Elite’ Certificate on “Problem Solving Through Programming in C”, May 2019.
- Awarded NPTEL Online Course ‘Elite’ Certificate on “Data Base Management System”, May 2019.

## Workshops /Seminars/Conferences

- Participated Two days upskilling Workshop on “The Art of Effective Mentoring: A Sustained Model”, organized by Directorate of Alumni Affairs, SRM Institute of Science and Technology during 19<sup>th</sup> and 20<sup>th</sup> January 2023.
- Attended One week “Faculty Development Programme on Advanced Security Analytics and Machine Learning” organized by SRM IST, NCR Campus from 18-04-2022 to 23-04-2022
- Attended One week “ATAL FDP on Cyber Physical Systems and IoT” organized by SRM IST, NCR Campus from 17-01-2022 to 21-01-2022
- Attended One week “ATAL FDP on Cyber Security” organized by SRM INSTITUTE OF MANAGEMENT TECHNOLOGY from 25-10-2021 to 29-10-2021.
- Attended in one-week AICTE Sponsored online STTP on “**AI-ML**” (Phase-III) organized by Department of Electronics and Telecommunication Engineering, Textile and Engineering Institute, June 2021
- Participated in national Webinar entitled “**Benefits of IPR and Patent Filing Procedures**”, by Shri. M. Ram Jawahar, Asst. Controller of Patent & Designs, IPR Chennai, on June 2021
- Participated Two Week AICTE Sponsored Online FDP on “**Machine Learning and Deep Learning – An Application Perspective**”, organized by Department of Electronics and Communication Engineering, SITMS, A.P, April, May 2021
- Participated Two days DST-SERB Sponsored Online National Workshop on “**Deep Learning for Image Processing Applications**”, organized by Department of Computer Science, Pondicherry University, Puducherry, January 2021
- Attended One week “**ATAL Academy online Faculty Development Programme on Artificial Intelligence** “organized by NITTTR Chandigarh from May 25<sup>th</sup> to May 29<sup>th</sup>,2020.

- Attended One week “**AICTE Recognized online Faculty Development Programme on Big Data Analytics**” organized by NITTTR Chandigarh from May 18<sup>th</sup> to May 22<sup>nd</sup>,2020
- Attended One week “**AICTE Recognized online Faculty Development Programme on Neural Networks and CNN**” organized by NITTTR Chandigarh from May 11<sup>th</sup> to May 15<sup>th</sup>,2020.
- Attended One week “**Faculty Development Programme on Machine Learning**” organized by APPTRONIX TECHNOLOGIES.
- Attended One week “**Faculty Development Programme on IOT**” organized by APPTRONIX TECHNOLOGIES.
- Attended One week “**Faculty Development Programme on Android App Development**” organized by APPTRONIX TECHNOLOGIES
- Attended three days “**Webinar Series on Recent Trends and Research Opportunities in 5G & Beyond**” organized by IE (I), Kattankulathur Local Centre & Department of Electronics & Communication Engineering, SRM Institute of Science and Technology, Kattankulathur from May 25<sup>th</sup> – 27<sup>th</sup>, 2020.
- Attended one day “**Webinar on IOT**” organized by department of computer science & engineering, SRM Institute of Science and Technology, Kattankulathur from May 22<sup>nd</sup>.
- Attended One week “**Faculty Development Programme on Data Base Management System**” organized by department of computer science & engineering, **IIT Kharagpur**.
- Attended workshop on “**Applications of Analytical Tools and Ethics in Academic Research**” In Management Department SRM IST Delhi NCR Ghaziabad Uttar Pradesh, Feb 2019.
- Attended three days “**National Symposium on Intelligent Systems-Technique and Research Applications**” organized by Intelligent Systems Research Group in the Department of CSE & IT, Jaypee Institute of Information Technology, Noida from December 20<sup>th</sup> to December 22<sup>nd</sup>,2018.
- Attended One week “**Faculty Development Programme on Computer Forensics & Cyber Crime**” organized by department of computer science & engineering in association with CSI, Noida, Chapter Sponsored by Dr.A.P.J.AbdulKalamTechnicalUniversity, Lucknow  
Approved by AICTE, Ministry of HRD, Government of India from April 25<sup>th</sup> to April 29<sup>th</sup>,2017.
- Major training with Grade ‘A’ Certificate on "**CCNA**" From ZOOM TECHNOLOGIES Hyderabad.
- Major training with Grade ‘A’ Certificate on "**Linux/Unix**" From ZOOM TECHNOLOGIES Hyderabad.
- Attended two-month course with Grade ‘A’ Certificate on "**C Language** " From Swami Vivekanand Institute of Information & Technology
- Attended One week “**Faculty Development Programme on Computer Forensics & Cyber Crime**” organized by department of computer science & engineering in association with CSI, Noida, Chapter Sponsored by Dr.A.P.J.AbdulKalamTechnical University, Lucknow Approved by AICTE, Ministry of HRD, Government of India from April 25<sup>th</sup> to April 29<sup>th</sup>,2017.

## **Work Experience**

- Having almost Ten-year teaching experience.
- Organization: Jaypee University of Information Technology  
Designation: Teaching assistantship  
Experience: 18 July 2011 to 31 May 2013
- Organization: Institute of Technology & Management (ITM)  
Designation: Assistant Professor  
Experience: 22 July 2013 to 11 July 2015
- Organization: Krishna Institute of Management & Technology (KIMT)  
Designation: Assistant Professor  
Experience: 15 July 2015 to 13 Aug 2016
- Organization: Greater Noida Institute of Technology & Management (GNIOT)  
Designation: Assistant Professor  
Experience: 22 August 2016 to 30 June 2018
- Organization: SRM Institute of Science and Technology (formerly known as SRM University)  
Designation: Assistant Professor  
Experience: 02 July 2018 to Till Now

## **Memberships details**

- Membership of Computer Society of India.
- Membership of IACSIT.
- Membership of International Association of Engineers (Hong Kong )