

Dr Krishan Kumar (B.E., MTech, PhD)

Assistant Professor,
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School of Engineering & Technology
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OBJECTIVE

To merge my enthusiasm, experience and talent for providing quality education to students in order to develop their professional skills and attitude. To enhance my research capabilities by working with organisation with state of art research facilities and opportunities to collaborative research.

PROFESSIONAL CONDENSE

- PhD with title “Privacy Protection in Personalized Web Search” from Suresh Gyan Vihar University, Jaipur, Rajasthan in May 2022.
- Professional with 14+ years of rich experience in Teaching Engineering subjects and generating quality research publications;
- Published 20+ research papers in international peer reviewed journals and conferences.
- GATE 2014 Qualified & CBSE UGC NET December 2014 Qualified.
- GRE with score 1280/1600. New Format Conversion 314/340.
- Guided 9 Post Graduate students in research work;
- Guided more than 15 projects at Under Graduate level;
- Attended more than 20 professional developmental activities;
- Strong understanding of the technology trends with the distinction of instituting best practices in higher education to achieve academic excellence for outcome-based education.

RESPONSIBILITIES HELD

- Member of MAGIC Cell, School of Engineering and Technology, Sushant University which is a single window solution for student grievances.
- Parents Teacher Meeting Coordinator, SET, Sushant University.
- Student Feedback Coordinator, SET, Sushant University.
- Member of Admission Committee of SET, Sushant University.

- Examination Committee member at Amity School of Engineering and Technology, Amity University Haryana (since 2015).
I have experience of handling exam centre for 1000+ students with a team of 10 members.
- Organizer and Coordinator for general Aptitude workshop, enhancing employability skills in Engineering Students for Amity School of Engineering and Technology, Amity University Haryana.
- Organizing Committee of 3rd International conference IC3I held at Amity University Haryana (October 2018).
I was official member of registration committee but was also involved in central management for all other activities.
- Member IET accreditation committee (2017-2018).
Active member during visits of IET committee for accreditation.
- Member Degree Distribution Committee for Convocation (since 2015).
- Mentor / Faculty Coordinator BTech CSE students.
As coordinator I have actively mentored students for their professional and personal upbringings and helped them to achieve their objectives.
- Research (Publications, FDP, Awards etc.) coordination and maintenance for Computer Science & Engineering department/ASET, AUH.
- Sports Coordinator for ASET. Organising and conduction of yearly sports events in Sangathan. (2011-2020)
- Training & Placement Coordinator, Gurgaon College of Engineering for Women (2010-11). As coordinator I was handling all activities related to training and placements for students.
- Discipline Committee Member, Gurgaon College of Engineering for Women (2009-2011). Ensuring discipline at the campus.

SUBJECTS TAUGHT

- Java Programming
- Advanced Java Programming
- Data Structures
- Computer Networks
- Web Developments
- Data Communication & Computer Networks
- Computer Fundamentals and C programming
- Object Oriented Programming using C++
- Software Engineering
- Software Project Management

PROFESSIONAL EXPERIENCE

| From | To | Duration | Designation | Organization |
|------------|-------------|--------------------|------------------------------------|--------------------------------------------------------------|
| Feb 2021 | Till Date | 1 year 3 Months | Assistant Professor | Sushant University Gurugram, Hayarna |
| April 2011 | Jan 2021 | 09 Years 10 Months | Assistant Professor-II (Full Time) | Amity University Haryana, Manesar, Haryana |
| July 2009 | April 2011 | 01 Years 10 Months | Assistant Professor (Full Time) | Gurgaon College of Engineering for Women, Gurgaon, Haryana |
| July 2006 | August 2007 | 1 Year | Lecturer (Full Time) | Somany Institute of Technology & Management, Rewari, Haryana |

PROFESSIONAL MEMBERSHIPS

| S. No. | Professional Body | Role |
|--------|---------------------------------------------------------------------|-------------|
| 1. | International Association of Engineers (IAENG) | Life Member |
| 2. | Institution of Engineering and Technology (IET) | Member |
| 3. | The Society of Digital Information & Wireless Communication (SDIWC) | Member |
| 4. | Interntional Journal of Computer Sciences & Engineering (IJCSE) | Reviewer |
| 5. | Iraqi Journal of Science (IJS) | Reviewer |
| 6. | International Journal of Applied Science and Technology (IJAST) | Reviewer |

EDUCATIONAL QUALIFICATIONS

| S. No. | Examination | University/ Board | College | Year | Percentage/ Grade | Subject |
|--------|------------------|--------------------------------------------------|----------------------------------------------------|------|-------------------|----------------------------------------------------------------|
| 1. | PhD | Suresh Gyan Vihar University, Jaipur | School of Engineering & Technology | 2022 | - | Privacy Protection in Personalized Web Search |
| 2. | M.Tech. | Guru Gobind Singh Indraprastha University, Delhi | University School of Information Technology | 2009 | 66 | Information Technology |
| 3. | B.E. | Maharishi Dayanand University, Rohtak, Haryana | BRCM College of Engineering & Technology, Bhiwani | 2006 | 70 | Information Technology |
| 4. | 12th | Haryana Board of School Education | Golden Valley Senior Secondary School, Bahadurgarh | 2001 | 60 | Physics, Chemistry, Mathematics, Hindi, English |
| 5. | 10 th | Haryana Board of School Education | Sarvodya High School Khanpur Khurd | 1999 | 86 | Mathematics, Science, Hindi, English, Drawing, Social Science. |

RESEARCH PUBLICATIONS

- [1] K. Kumar, V. Birla, A. Sasi, and A. Deep, "Design and development of travel and tourism recommendation system using web-scraped data positioned on artificial intelligence and machine learning," *Int. J. Adv. Trends Comput. Sci. Eng.*, vol. 9, no. 4, pp. 5670–5679, 2020, doi: 10.30534/ijatcse/2020/218942020.
- [2] G. Kumar, R. Kaushik, K. Kumar, and V. Birla, "Design and Development to Face Recognition System by Synthesizing AADHAR Enabled Platform for Online Voting," *Int. J. Innov. Res. Comput. Sci. Technol.*, no. 8, pp. 2347–5552, 2020, doi: 10.21276/ijircst.2020.8.3.36.

- [3] K. Kumar, B. Keswani, and V. Jaglan, "Privacy protection in personalized web search using obfuscation," *Int. J. Emerg. Trends Eng. Res.*, vol. 8, no. 4, pp. 1410–1416, 2020, doi: 10.30534/ijeter/2020/76842020.
- [4] S. Dahiya and K. Kumar, "PN Toolbox Efficacies for Analysis of Data Computation Model," *Int. J. Innov. Res. Comput. Commun. Eng.*, vol. 8, no. 6, pp. 2186–2190, 2020.
- [5] A. Joon, R. Kumar Tyagi, and K. Kumar, "Noise Filtering and Imbalance Class Distribution Removal for Optimizing Software Fault Prediction using Best Software Metrics Suite," in *Proceedings of the Fifth International Conference on Communication and Electronics Systems*, 2020, pp. 1381–1389, doi: 10.1109/icces48766.2020.9137899.
- [6] K. Kumar and S. Dahiya, "Energy Management and Modelling in Wireless Sensor Networks- A Review," *Int. J. Innov. Res. Sci. Eng. Technol.*, vol. 9, no. 6, pp. 4716–4719, 2020.
- [7] R. Chauhan and K. Kumar, "A Comparative Study and Analysis on Biometric Authentication," *Int. J. Innov. Res. Sci. Eng. Technol.*, vol. 9, no. 5, pp. 2964–2968, 2020.
- [8] K. Kumar and S. Dahiya, "Database Security Using Encrypted Private Key," *J. Emerging Technol. Innov. Res.*, vol. 6, no. 5, p. 161, 2019, [Online]. Available: www.jetir.org.
- [9] S. Dahiya and K. Kumar, "Designing of D-Flip Flop under timing considerations for sequential circuit applications," *J. Emerging Technol. Innov. Res.*, vol. 6, no. 5, pp. 158–160, 2019, [Online]. Available: www.jetir.org.
- [10] V. Prakash and K. Kumar, "Issue 6 www.jetir.org (ISSN-2349-5162)," *JETIR1806226 J. Emerg. Technol. Innov. Res.*, vol. 5, no. 6, pp. 731–736, 2018, [Online]. Available: www.jetir.org731.
- [11] K. Kumar and V. Prakash, "Water Resources using GIS: A Survey," *Int. J. Tech. Innov. Mod. Eng. Sci. Impact*, vol. 4, no. 6, pp. 658–667, 2018.
- [12] K. Kumar and S. Dahiya, "Design of Sequential Circuits with Timing Analysis and Considerations," 2017. [Online]. Available: <http://ijesc.org/>.
- [13] K. Kumar, S. Dahiya, and V. Prakash, "A Comparative Study on High Speed and Low Power Radix FFT," *Int. J. Eng. Sci. Comput.*, vol. 7, no. 5, pp. 11753–11755, 2017, [Online]. Available: <http://ijesc.org/>.
- [14] S. Dahiya and K. Kumar, "Drain Current and Radiation Relation for MOSFET," *Int. Res. J. Eng. Technol.*, vol. 4, no. 5, pp. 1509–1511, 2017, [Online]. Available: www.irjet.net.
- [15] N. Sagar, G. Gupta, and K. Kumar, "Comparative Study of Routing Protocols in Wireless Mobile Ad Hoc Networks," *Int. J. Institutional Ind. Res.*, vol. 2, no. 2, pp. 1–6, 2017.
- [16] K. Kumar and S. Dahiya, "Programming Languages: A Survey," *Internatioanl J. Recent Innov. Trends Comput. Commun.*, vol. 5, no. 5, pp. 307–313, 2017, [Online]. Available: <http://www.ijritcc.org>.

- [17] V. Prakash and K. Kumar, "Aperture Coupled Antenna for Wireless Communication," *Int. J. Res. Appl. Sci. Eng. Technol.*, vol. 5, no. V, pp. 1228–1232, 2017, [Online]. Available: www.ijraset.com.
- [18] K. Kumar and S. Dahiya, "COMPARATIVE STUDY OF FFT/IFFT PROCESSOR FOR HIGH THROUGHPUT-RATE APPLICATION," *GE- Int. J. Eng. Res.*, vol. 3, no. 5, 2015, [Online]. Available: www.aarf.asia.
- [19] Y. Dahiya, K. Kumar, and G. Sandhu, "A Study on Challenges Associated in Coverage Problem in WSN," 2015.
- [20] K. Kumar, S. Dahiya, and V. Prakash, "Ruby on Rails IDEs and Text Editors: A Survey," *Int. J. Sci. Res.*, vol. 6, no. 6, pp. 2319–7064, 2015, [Online]. Available: www.ijsr.net.
- [21] Y. Dahiya, K. Kumar, and Geet Sandhu, "International Journal of Computer Science and Mobile Computing A Fault Tolerant Target Coverage Model under Location Deficiencies," *Int. J. Comput. Sci. Mob. Comput.*, vol. 4, no. 6, pp. 235–240, 2015, [Online]. Available: www.ijcsmc.com.
- [22] P. Yadav, K. Kumar, and R. Gupta, "A Review Paper on ZigBee-New Era in Agricultural Monitoring," *Int. J. Comput. Sci. Technol.*, vol. 5.

PROFESSIONAL DEVELOPMENTAL ACTIVITIES

| S.No. | Title/Theme | Type Of Activity | Organised By | Date | No. of days |
|-------|------------------------------------------|-------------------|--------------------------|-----------------------|-------------|
| 1 | Project Management Using Effective Tools | FDP | Amity Unviersity UP | 18.06.2012-19.06.2012 | 2 |
| 2 | Entrepreneurship Development | FDP | Amity Unviersity UP | 05.05.2014-20.05.2014 | 14 |
| 3 | Matlab | FDP | Amity University Haryana | 02.07.14-07.07.14 | 6 |
| 4 | HTML 5 & Cloud Computing | FDP | Amity University Haryana | 23.11.17 – 28.11.17 | 6 |
| 5 | Lasers: Development & Applications | Short Term Course | Amity University Haryana | 13.07.15 – 17.07.15 | 6 |
| 6 | Hands on experience on Labview | Short Term Course | NITTTR, Chandigarh | 25.05.2015-29.05.2015 | 5 |
| 7 | Matlab | Workshop | Amity University Haryana | 28.06.2016-29.06.2016 | 2 |

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|----|------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------|-----------------------|---|
| 8 | Marketing Management Skills | Faculty Development Program | Amity University Haryana | 18.07.2019-18.07.2019 | 1 |
| 9 | Research Methodology | Workshop | Amity University Haryana | 01.03.2019-01.03.2019 | 1 |
| 10 | Teaching and learning Pedagogy | Faculty Development Program | Amity University Haryana | 08.07.2019-12.07.2019 | 5 |
| 11 | Teaching and learning for acceradiation in technical education | Short Term Course | NITTTR, Chandigarh | 27.04.20 - 01.05.20 | 5 |
| 12 | Mathematical Modeling and its application in different fields of study | Faculty Development Program | G L Bajaj Institute of Technology and Management, Noida | 11.05.2020 | 1 |
| 13 | Learn Arduino Step-by-Step | Faculty Development Program | GMRIT, Andhra Pradesh | 15.05.20-17.05.20 | 3 |
| 14 | Data Analytics using PYTHON | Short Term Course | NITTTR, Chandigarh | 18.05.20-22.05.20 | 5 |
| 15 | Cyber forensic | Faculty Development Program | SVIT, Secunderabad | 21.05.20 | 1 |
| 16 | Artificial Intelligence | Faculty Development Program | CMR Engineering College, Hyderabad | 22.05.20-26.05.20 | 5 |

PERSONAL DETAILS

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Father's Name Shri Ishwar Singh
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