Department of Computer Science and Information Technology
School of Technology
Maulana Azad National Urdu University (Central University)
Gachibowli, Hyderabad, Telangana - 500032, India
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PROF. PRADEEP KUMAR || Professor

PRESENT ASSOCIATION	Presently working as a **Professor** at Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India. (09th October 2018)
RESEARCH INTEREST	Software Engineering, Data Science, Data Mining, Soft Computing, Machine Learning

PREVIOUS EXPERIENCE

- **ASSOCIATE PROFESSOR, DEPTARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**
  09th October 2014 – 08th October 2018
  Maulana Azad National Urdu University, Hyderabad, Telangana, India
- **PROGRAM CHAIR, M.TECH. (CSE & SOFTWARE ENGINEERING), SCHOOL OF COMPUTER SCIENCE & ENGINEERING**
  March 2013- September 2014
  Galgotias University Greater Noida, Uttar Pradesh, India
- **ASSOCIATE PROFESSOR & HEAD, DEPT. OF COMPUTER SCIENCE & ENGINEERING**
  August 2010- March 2013
  ICE Group of Institutions, Greater Noida, Uttar Pradesh, India
- **ASSOCIATE PROFESSOR & HEAD, DEPT. OF INFORMATION TECHNOLOGY**
  July 2004- July 2010
  ABES Engineering College (Affiliated to UPTU, Lucknow), Uttar Pradesh, India
- **ASSISTANT PROFESSOR**
  November 2002- June 2004
  Asia Pacific Institute of Management & Information Technology, New Delhi
- **LECTURER**
  July 1999- October 2002
  Institute of Technology and Management (Affiliated to MDU, Rohtak) Gurgaon
- **LECTURER, DEPT. OF COMPUTER SCIENCE**
  September 1997- June 1999
  Sri Muthukumaran Institute of Technology (Affiliated to Madras University) Chennai

VISITING FACTULY

- Institute for Integrated Learning in Management, New Delhi. (Jan 2001- Mar 2001)
- New Delhi Institute of Information Technology, New Delhi. (Apr 2001- Jul 2004)
- Management Development Institute (MDI), Gurgaon. (Nov 2002 – Dec2002)
- Sanlok Institute of Management & Information Technology, Gurgaon. (Dec 2000-Jul 2003)
- Visiting faculty at All India Institute of Management Association, Noida. (May 2003 –2007)
- Visiting Faculty at Accurate Institute of Management, Greater Noida. (Sept.-Nov 2008)

- **DOCTOR OF PHILOSOPHY (Ph.D.)**
  Awarded in: 2014
  School of Information & Communication Technology, Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi, India

- **MASTER OF ENGINEERING (M.E.) in CSE**
  Year of Passing: 2005
  Delhi Technological University (DTU), formerly Delhi College of Engineering (DCE), University of Delhi, New Delhi, India

SOFTWARE
TRAINING

- Oracle and Visual Basic Course from BITECH, Chennai (1998-1999)

URDU
PROFICIENCY

- Certificate Course in Urdu from Department of Urdu, Maulana Azad National Urdu University, Hyderabad with distinction
- Certificate Course in Urdu from Jamia Millia Islamia, New Delhi
- High School from UP Board Allahabad with single subject in Urdu

TEACHING
PROFICIENCY

- Software Engineering
- Software Testing
- Computer Graphics
- Cryptography & Network Security
- Data Base Management System
- Oracle
- Data Structures
- C, C++, Visual Basic, Python
- Data Mining
- Machine Learning

RESEARCH
METRICS

Number of Citation | h-index *(as on 25-09-2022)*

	Citation	h-index
Google Scholar	**295**	**10**
Scopus	**74**	**4**
Web of Science	**17**	**2**

MEETINGS
ATTENDED

Number of publications *(Out of 48: Scopus- **24**, Web of Science- **11**)*

International Journal	26
National Journal	01
International Conference Proceeding	12
National Conference Proceeding	02
Book	03
Book Chapter	04
Patents	02

PUBLICATIONS (INTERNATIONAL JOURNAL)

[1] Iqbal, N., & **Kumar, P.** (2022). **Recent developments in soft computing based techniques for feature selection and disease classification**. *Suranaree Journal of Science & Technology*. (Web of Science- ESCI, Scopus, UGC-CARE) [In Press]

[2] Iqbal, N., & **Kumar, P.** (2022). **Integrated COVID-19 predictor: Differential expression analysis to reveal potential biomarkers and prediction of coronavirus using RNA-Seq profile data**. *Computers in Biology and Medicine*, 147, 105684. https://doi.org/10.1016/j.compbiomed.2022.105684 (e-ISSN: 0010-4825) (Web of Science- SCIE, Scopus, UGC-CARE) [ScienceDirect][PubMed] (IF 6.698)

[3] Ansarullah, S. I., Mohsin Saif, S., Abdul Basit Andrabi, S., Kumhar, S. H., Kirmani, M. M., & **Kumar, P.** (2022). **An Intelligent and Reliable Hyperparameter Optimization Machine Learning Model for Early Heart Disease Assessment Using Imperative Risk Attributes**. *Journal of*

healthcare engineering, *2022*. https://doi.org/10.1155/2022/9882288 (Web of Science-SCIE, Scopus, UGC-CARE) (IF 3.822)

[4]   Ansarullah, S. I., Saif, S. M., **Kumar, P.**, & Kirmani, M. M. (2022). **Significance of Visible Non-Invasive Risk Attributes for the Initial Prediction of Heart Disease Using Different Machine Learning Techniques**. *Computational Intelligence and Neuroscience*, *2022*. https://doi.org/10.1155/2022/9580896 (Web of Science- SCIE, Scopus, UGC-CARE) (IF 3.120)

[5]   **Kumar, P.** (2020). **Predictive analytics for spam email classification using machine learning techniques**. *International Journal of Computer Applications in Technology*, *64*(3), 282-296. https://doi.org/10.1504/IJCAT.2020.111844 (Scopus, Web of Science- ESCI)

[6]   Alshameri, H. M., & **Kumar, P.** (2019). **An Efficient Zero-Knowledge Proof Based Identification Scheme for Securing Software Defined Network.** *Scalable Computing: Practice and Experience*, *20*(1), 181-189. https://doi.org/10.12694/scpe.v20i1.1473 (Scopus, Web of Science- ESCI)

[7]   Ansarullah, S. I., & **Kumar, P.** (2019). **A Systematic Literature Review on Cardiovascular Disorder Identification using Knowledge Mining and Machine Learning Methods.** *International Journal of Recent Technology and Engineering, 7*(6S), 2277-3878. 🗎 (Scopus)

[8]   Iqbal, N., & **Kumar, P.** (2019). **I-NFG: An integrated neuro-fuzzy-genetic based soft computing techniques for feature selection and disease prediction using gene expression**. *Journal of Applied Computing*, *4*(1), 1-8. 🗎

[9]   Ansarullah, S. I., & **Kumar, P.** (2018). **Heart disease prediction and diagnosis by finding the correlation and Significance among different risk attributes through Machine Learning Techniques**. *Journal of Advanced Research in Dynamical and Control System*, 10(2) Special Issue 02. 🗎 (Scopus)

[10]   Ansarullah, S. I., & **Kumar, P.** (2018). **Performance and evaluation of heart disease risk assessment model using machine learning classification techniques.** *Journal of Advanced Research in Dynamical and Control System*, 10(2) Special Issue 02. 🗎 (Scopus)

[11]   Mutaher, H., **Kumar, P.**, & Wahid, A. (2018). **OpenFlow Controller-Based SDN: Security Issues and Countermeasures**. *International Journal of Advanced Research in Computer Science*, *9*(1). https://doi.org/10.26483/ijarcs.v9i1.5498

[12]   **Kumar, P.** (2017). **Soft Computing Approaches for Automated Software Testing.** *International Journal of Computational Engineering Research*, 7(10), 22-34. 🗎

[13]   Nabi, M., Wahid, A., & **Kumar, P.** (2017). **Performance Analysis of Classification Algorithms in Predicting Diabetes**. *International Journal of Advanced Research in Computer Science*, *8*(3). 🗎

[14]   Akhtar, S., **Kumar, P.**, & Wahid, A. (2017). **Quantum key Distribution Simulation**. *International Journal of Advanced Research in Computer Engineering & Technology*, 6(4), 417-420. 🗎

[15]   Ansarullah, S. I., **Sharma, P. K.**, Wahid, A., & Kirmani, M. M. (2016). **Heart Disease Prediction System using Data Mining Techniques: A study.** *International Research Journal of Engineering and Technology, 3(8). e-ISSN*, 1375-1381. 🗎

[16]   Wahid, A., **Kumar, P.**, Nabi, M., & Akhtar, S. (2016). **Cyber Threats to Cashless System of Indian Economy.** *Advanced Journal in Wireless and Mobile Communication, 4(3), 73-83.* 🗎

[17]   **Kumar, P.**, & Wahid, A. (2015). **Performance evaluation of data mining techniques for predicting software reliability**. *International Journal of Computer and Systems Engineering*, *9*(8), 2034-2041. 🗎

[18]   **Kumar, P.**, & Singh, Y. (2013). **Comparative analysis of software reliability predictions using statistical and machine learning methods.** *International Journal of Intelligent Systems Technologies and Applications*, *12*(3/4), 230-253. https://doi.org/10.1504/IJISTA.2013.056529 (Scopus)

[19]   **Kumar, P.**, & Singh, Y. (2013). **Empirical analysis of software reliability growth model for three-tier client-server system.** *International Journal of Industrial and Systems Engineering*, *14*(3), 352-373. https://doi.org/10.1504/IJISE.2013.054285 (Scopus)

[20]   **Kumar, P.**, & Singh, Y. (2013). **A study on software reliability prediction models using soft computing techniques.** *International Journal of Information and Communication Technology*, *5*(2), 187-204. https://doi.org/10.1504/IJICT.2013.053119 (Scopus)

[21] **Kumar, P.**, & Singh, Y. (2012). **An empirical study of software reliability prediction using machine learning techniques.** *International Journal of System Assurance Engineering and Management*, *3*(3), 194-208. https://doi.org/10.1007/s13198-012-0123-8 (Scopus, Web of Science- ESCI)

[22] **Kumar, P.**, & Singh, Y. (2012). **A Step Towards Software Reliability Prediction Using Support Vector Machine (SVM).** *Software Quality Professional*, *14*(2), 35-45. 🖹

[23] **Kumar, P.**, & Singh, Y. (2012). **Assessment of software testing time using soft computing techniques.** *ACM SIGSOFT Software Engineering Notes*, *37*(1), 1-6. https://doi.org/10.1145/2088883.2088895

[24] Singh, Y., & **Kumar, P.** (2010). **Application of feed-forward neural networks for software reliability prediction.** *ACM SIGSOFT Software Engineering Notes*, *35*(5), 1-6. https://doi.org/10.1145/1838687.1838709

[25] **Kumar, P.**, & Singh, Y. (2010). **A software reliability growth model for three-tier client server system.** *International Journal of Computer Applications*, 1(13), 975, 8887. https://doi.org/10.5120/289-451

[26] Singh, Y., & **Kumar, P.** (2010). **Determination of software release instant of three-tier client server software system.** *International Journal of Software Engineering*, *1*(3), 51-62. 🖹

PUBLICATIONS (NATIONAL JOURNAL)

▪ **Sharma, P.**, Perti, A., & Aneja, N. (2010). **Performance Analysis of Misbehaving Nodes in MANET using NS2.** *A National Journal of Vision & Quest*, 1(1), 96-104. ISSN 0975-8410. 🖹

PUBLICATIONS (INTERNATIONAL CONFERENCE PROCCEDDING)

[1] Iqbal, N., & **Kumar, P.** (2022). **From data science to bioscience: Emerging era of bioinformatics applications, tools and challenges**. *Procedia Computer Science*, Elsevier. (Web of Science- CPCI, Scopus, UGC-CARE) [In Press]

[2] Omar, M., & **Kumar, P.** (2021). **Image Features Selection Based on Computer Vision Techniques to Detect Potholes for Intelligent Transport System**. In *2021 International Conference on Information Science and Communications Technologies (ICISCT). IEEE Xplore* **Tashkent University of Information Technologies,** Tashkent, Uzbekistan. DOI

[3] Iqbal, N., & **Kumar, P.** (2021). **Coronavirus Disease Predictor: An RNA-Seq based pipeline for dimension reduction and prediction of COVID-19**. In *Journal of Physics: Conference Series*, (Vol. 2089, p. 12025). IOP Publishing. https://doi:10.1088/1742-6596/2089/1/012025. (Web of Science- CPCI-S, Scopus, UGC-CARE) [Source]

[4] **Kumar P.**, Wahid A. (2021) **Social Media Analysis for Sentiment Classification Using Gradient Boosting Machines**. In: Kumar S., Purohit S.D., Hiranwal S., Prasad M. (eds) Proceedings of International Conference on Communication and Computational Technologies. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-3246-4_70

[5] Mutaher, H., & **Kumar, P.** (2021, March). **ZKPAUTH: An Authentication Scheme Based Zero-Knowledge Proof for Software Defined Network**. In *International Conference on Artificial Intelligence and Sustainable Computing* (pp. 105-120). Springer, Cham. https://doi.org/10.1007/978-3-030-82322-1_8 (Scopus)

[6] Mutaher, H., & **Kumar, P.** (2021, January). **Security-Enhanced SDN Controller Based Kerberos Authentication Protocol**. In *2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence)* (pp. 672-677). IEEE. https://doi.org/10.1109/Confluence51648.2021.9377044 (Scopus, Web of Science- CPCI-S)

[7] Omar, M., & **Kumar, P.** (2020, November). **Detection of Roads Potholes using YOLOv4.** In *2020 International Conference on Information Science and Communications Technologies (ICISCT)* (pp. 1-6). IEEE. https://doi.org/10.1109/ICISCT50599.2020.9351373 (Scopus)

[8] Iqbal, N., & **Kumar, P.** (2020). **A framework for the RNA-Seq based classification and prediction of disease.** In: Kumar A., Paprzycki M., Gunjan V. (eds) *ICDSMLA 2019* (pp. 74-81). Springer, Singapore. *Lecture Notes in Electrical Engineering*, Springer, vol 601. https://doi.org/10.1007/978-981-15-1420-3_8 (Scopus)

[9] Alam, M. S., Husain, D., Naqvi, S. K., & **Kumar, P.** (2018). **IOT security through Machine Learning and homographic encryption technique**. In *International Conference on New Trends in Engineering & Technology (ICNTET), Chennai*. 🗎

[10] Singh, Y., & **Kumar, P.** (2010, December). **Prediction of software reliability using feed forward neural networks.** In *2010 International Conference on Computational Intelligence and Software Engineering* (pp. 1-5). IEEE. https://doi.org/10.1109/CISE.2010.5677251 (Scopus)

[11] Bhowmik, R., & **Sharma, P.** (2010, August). **Building Optimization**. In *International Conference on Contemporary Computing* (pp. 579-587). Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-642-14834-7_54 (Web of Science- CPCI-S)

[12] Perti, A., & **Sharma, P.** (2009, March). **Reliable AODV protocol for wireless Ad hoc Networking.** In *2009 IEEE International Advance Computing Conference* (pp. 675-680). IEEE. https://doi.org/10.1109/IADCC.2009.4809093 (Web of Science- CPCI-S)

PUBLICATIONS (NATIONAL CONFERENCE PROCEEDDING)

[1] Malik, S. A., **& Kumar, P.** (2021). **Batch Processing on Spatial and Temporal-DBSCAN for Big Data.** In 2nd *National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021) ISBN: 978-81-953418-4-9*. 🗎

[2] **Sharma, P.**, Verma, M., & Wahid, A. (2008). **Design of a Web-based Programming Course: A Conceptual study.** In 2008 *National Conference on Information Security & Mobile Computing.* jointly with Computer Society of India (CSI) Ghaziabad Chapter at ABES Engineering College Ghaziabad. 🗎

PUBLICATIONS (BOOK)

[1] **Kumar, P**., & Tiwari, A. (Eds.). (2017). *Ubiquitous Machine Learning and Its Applications*. IGI Global. https://doi.org/10.4018/978-1-5225-2545-5 (Scopus)

[2] Co-authored a book "**Web Scripting Students Handbook**", for class XI published by Central Board of Secondary Education (CBSE), Preet Vihar, New Delhi, 2016. 🗎

[3] Kumar, M., Khari, M., & **Kumar, P.** (2014). **Web Applications: Students Handbook** (Class XII). 🗎

PUBLICATIONS (BOOK CHAPTER)

[1] **Kumar, P.**, Wahid, A., & Venkatesh, N. (2022). **Machine Learning Approaches for Text Mining and Spam E-mail Filtering: Industry 4.0 Perspective**. In Artificial Intelligence and Data Science for Recommendation Systems: Current Trends, Technologies and Applications. Bentham Science, Singapore. (In Press)

[2] Mutaher, H., & **Kumar, P.** (2019). **Entity Authentication.** In *Emerging Security Algorithms and Techniques* (pp. 213-224). Chapman and Hall/CRC. https://doi.org/10.1201/9781351021708-13

[3] **Kumar, P.**, & Wahid, A. (2017). **Investigation of Software Reliability Prediction Using Statistical and Machine Learning Methods**. In *Handbook of Research on Machine Learning Innovations and Trends* (pp. 251-271). IGI Global. https://doi.org/10.4018/978-1-5225-2229-4.ch012

[4] **Kumar, P.** (2017). **Application of Machine Learning Techniques for Software Reliability Prediction (SRP)**. In *Ubiquitous Machine Learning and Its Applications* (pp. 113-142). IGI Global. https://doi.org/10.4018/978-1-5225-2545-5.ch006 (Scopus)

PATENTS:

[1] **An Intelligent Automated Novel Security Conveyer Tunnel to Check Medicinal Duplication in Supply Chain Management**
Abdul Wahid, Pradeep Kumar, Fareeha Rashid
File No.: 2022/02011, Filed Country: Republic of South Africa

[2] **Face Detection Techniques for Security Surveillance under Real-Time Still Face Images**
Dimple Chawla, Munesh Chandra Trivedi, Vikas Somani, Vijender Kumar Solanki, Pradeep Kumar
File No.: 202211051827 A, Filed Country: India

ACADEMIC ACTIVTIES	Number of Conferences | Workshops | FDP | Seminars (Attended/ Presented)	
	Conference	02
	Workshop	06
	Faculty Development Program	01
	Seminar	03
	Short Term course	01
	Orientation Training Programme	01

CONFERENCE ATTENDED
1. Attended 3rd International Conference on Information System Security (ICISS 2007), December 16-20, 2007, organized by University of Delhi in collaboration with Department of Computer Science & Engineering, IIT Delhi, Centre for Secure Information Systems, George Mason University, USA & Systems and Information Infrastructure Security Laboratory, Penn state University, USA.
2. Attended One Day International Conference on Computing: Updated & Trends (CUT-2010) organized by Jaipuria Group of Institutions, Ghaziabad on February 06, 2010 and presented a paper titled "Effects of Misbehaving Nodes on Mobility of Nodes in MANET".

WORKSHOP
1. Workshop on "National case development workshop", organized by School of Management Studies Guru Gobind Singh Indraprastha University Delhi, dated 31st October – 1st November 2003.
2. Workshop on "Essentials of Functional Testing" organized by IBM at ABES Engineering College Ghaziabad dated 22nd September – 24th September 2006.
3. Workshop on "Faculty Development Program" organized by Satyam Learning Centre at IMS Engineering College Ghaziabad, dated 14th October – 16th October 2006.
4. Workshop on "Rational ROBO & DB-2" organized by IBM at ABES Engineering College Ghaziabad dated 21st October 2006.
5. Attended a workshop on "Recent Trends in Software Testing", 17th September, 2010 organized by Department of Computer Engineering, Delhi Technological University (DTU), Delhi.
6. National Level Workshop on Simulation of Wireless Networks using NS2 Organized by Department of ECE, JNTUH College of Engineering, Hyderabad from 26th May 2016 to 28th May, 2016 during summer vacations.

FACULTY DEVELOPMENT PROGRAM
- One-week National Level Faculty Development Program on "Algorithms" held from 20th to 27th September 2016 organized under TEQIP-II by the Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad.

SEMINAR
1. Participated in a seminar on "Ongoing Research & Development Activities (2010)", organized by IEC Group of Institutions, Greater Noida.
2. Attended a national seminar on "Changing Landscape of Management Education – An e-Learning Perspective", organized by Indian Business Academy (IBA) Greater Noida, 19th January 2008.
3. A National Seminar on "Mobile Computing" organized by Institute of Professional Excellence & Management Ghaziabad, dated 17th November 2007.

SHORT TERM COURSE ATTENDED
- All India Council for Technical Education (AICTE) sponsored one-week short-term course on **Mobile Computing for teachers** conducted by National Institute of Technical Teachers' Training & Research, Chandigarh held from 20th - 24th August 2007.

ORIENTATION TRAINING PROGRAM ATTENDED
- All India Council for Technical Education (AICTE) sponsored one-week **Online Orientation Training Programme for Mentor** conducted by National Initiative for Technical Teachers Training (NITTT), Chandigarh held from 22nd - 26th August 2022.

RESOURCE PERSON	Number of Session Chair | Keynotes Speaker | Resource Person | Invited Lecture	
	Session Chair	02
	Keynotes Speaker	02
	Invited Guest Lecture/ Resource Person	25
	Conference Conducted	05
	FDP/ Refresher Course Conducted	03
	Workshop/Seminar/ Webinar Conducted	01

SESSION CHAIR
1. Session Chair at Galgotias University, Greater Noida (UP), 2016
2. Session Chair at 4th International Conference on Communications, Cyber – Physical Engineering (ICCCE-2021), organized by CMR Engineering College, Medchal, Hyderabad, Telangana, India during 9th -10th April 2021.

INVITED LECTURE DILIVERED
1. Delivered an expert lecture as a Resource Person on the topic *Component Based Testing: Issue and Challenges* for specialized Training Course on Software Reusable Methodologies at Research & Development Organization, Research Centre Imarat Hyderabad, Telangana, India during 7th-11th September 2015.
2. Delivered a lecture as a Resource Person on the topic *Regression Testing* in Refresher/ Faculty Development Programme in Computer Science, Bioinformatics & Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 08th - 28th August 2017.
3. Delivered a lecture as a Resource Person on the topic *MATLAB* in Refresher/ Faculty Development Programme in Computer Science, Bioinformatics & Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 08th - 28th August 2017.
4. Resource person for faculty development program on Big Data Analytics & Deep Learning at MJCET, Hyderabad in January 2018.
5. Delivered a lecture as a Resource Person on the topic *IT Software & Services* in Professional Development Programme in ICT organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 31st October – 6th November 2018.
6. Delivered a lecture as a Resource Person on the topic *Data Analysis using Excel* in Professional Development Programme in ICT organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 31st October – 6th November 2018.
7. Delivered a guest lecture as a Resource Person on the topic *Artificial Intelligence* organized by Department of Computer Science and Engineering, Geethanjali College of Engineering and Technology, Hyderabad, Telangana, India on 25th January 2019.
8. Delivered a lecture on the topic *Statistical Package for the Social Sciences (SPSS)* in 2nd Lecture Series of Research Colloquium organized by Department of Social Work, Maulana Azad National Urdu University, Hyderabad, Telangana, India on 13th February 2019.
9. Delivered a lecture as a Resource Person on the topic *Supervision Algorithm using MATLAB* in Refresher/ Faculty Development Programme in Computer Science & Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 25th July -07th August 2019.
10. Conducted a group discussion as a Resource person in **MOOCs/ OERs** on 17-10-2019 at UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 10th October – 23rd October 2019.

11. Conducted a group discussion as a Resource person in **MOOCs/ OERs** on 18-10-2019 at UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 10th October – 23rd October 2019.
12. Delivered a lecture as a Resource Person on the topic *Supervision Algorithm using MATLAB* in Refresher/ Faculty Development Programme in Computer Science & Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 25th July -07th August 2019.
13. Delivered a lecture in two-week Faculty Development Programme on Machine Learning to Deep Learning for Data Analytics using Python organized by Department of Computer Science and Engineering, Vignana Bharathi Institute of Technology, Hyderabad, Telangana, India during 25th November - 09th December 2019.
14. Delivered a lecture as a Resource person on the topic *Internet of Things and Machine Learning* in two-week Faculty Development Programme on **Sensor Networks, Internet of Things and Internet of Everything** organized by Department of Computer Science and Engineering, Vignana Bharathi Institute of Technology, Hyderabad, Telangana, India during 25th November - 08th December 2019.
15. Delivered a lecture as a Resource person on the topic *Python in IoT Development* in two-week Faculty Development Programme on **Sensor Networks, Internet of Things and Internet of Everything** organized by Department of Computer Science and Engineering, Vignana Bharathi Institute of Technology, Hyderabad, Telangana, India during 25th November - 08th December 2019.
16. Delivered a lecture as a speaker on the topic *Machine Learning using Mathematics* in Five-Day Workshop on Some Aspects of Computational Mathematics, organized by Department of Computer Science and Department of Mathematics, Savitribai Phule Pune University, Pune, India in December 2019.
17. Resource person for AICTE Sponsored Two-week Faculty Development Programme (FDP) on Machine Learning to Deep Learning for Data Analytics using Python at Vignana Bharathi Institute of Technology, Aushapur, Hyderabad on 6th December 2019.
18. Delivered a lecture as a speaker on the topic *Machine Learning Algorithms for Classification and Prediction – Python Implementation* in Faculty Development Programme on Artificial Intelligence and Machine Learning: Need of an Hour, organized by Department of Computer Science and Engineering, K. R. Mangalam University, Gurugram, Haryana, India during 26th - 30th July 2021.
19. Resource person for one-week program conducted by the CIT for Research Scholar on descriptive analysis during
20. Resource person for UGC-HRDC Orientation program on Software Testing.
21. Resource person for one-week program conducted by the CIT for Research Scholar on Statistical Analysis using SPSS.
22. Delivered a lecture as a Resource Person on the topic *Use of Technology in Education* in National Education Policy (NEP 2020) organized by Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 10th August 2021.
23. Delivered a lecture as a Resource Person on the topic *Machine Learning* on 22nd July 2022 in Refresher/ Faculty Development Program in Computer Science and Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 21st July -03rd August 2022.
24. Delivered a lecture as a Resource Person on the topic *Hand on Machine Learning and Python* on 23rd July 2022 in Refresher/ Faculty Development Program in Computer Science and Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 21st July -03rd August 2022.
25. Delivered a lecture as a Resource Person on the topic *Knowledge Extraction using Inductive Learning* in Professional Development Program on Applied Artificial Intelligence and Expert Systems organized by Department of CSE (AI & ML), Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India on 13th August 2022.

CONFERENCE CONDUCTED
1. Co-Convener of organizing a *National Conference on Information Security & Mobile Computing* jointly with Computer Society of India (CSI) Ghaziabad Chapter at ABES Engineering College Ghaziabad affiliated to UP Technical University, Lucknow, Uttar Pradesh, India held on 03rd - 04th February 2008.
2. Co-Convener of organizing a *National Conference on Advance Computing & Communication Technology* at ABES Engineering College Ghaziabad affiliated to UP Technical University - Lucknow, India held on 06th - 07th February 2009.
3. Co-Convener of organizing a *National Conference on Advance Computing & Communication Technology* at ABES Engineering College Ghaziabad affiliated to UP Technical University - Lucknow, India held on 26th – 27th February, 2010.
4. Convener of *1st National Conference on Emerging Trends & Issues in information Technology & Communication*, organized by School of Computer Science & Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 17th - 18th March 2018.
5. Convener of **2nd** *National Conference on Computational Methods, Data Science and Applications*, organized by Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 24th - 25th May 2021.

FACULTY DEVELOPMENT PROGRAM/ REFRESHER COURSE CONDUCTED
1. Coordinator of a refresher course on Computer Science, Bioinformatics & Information Technology at UGC-Human Resource Development Centre, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 08th - 28th August 2017.
2. Coordinator of a Refresher/ Faculty Development Programme in Computer Science & Information Technology organized by UGC-HRDC, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 25th July -07th August 2019.
3. Coordinator of One-week ATAL-AICTE Faculty Development Program on **Data Science** has conducted at Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 22nd - 26th November 2021. *(Approved by ATAL-AICTE)*

WORKSHOP/ SIMINAR/ WEBINAR CONDUCTED
- A member of organizing committee for **National Seminar on Emerging Trends in Communications** at ABES Engineering College Ghaziabad affiliated to UP Technical University, Lucknow, Uttar Pradesh, India held on 07th - 08th December 2007.

PROJECTS

Number of UGC | MeitY | MANUU

MANUU	Completed
MeitY	Co-Principal Investigator for the ongoing MeitY project

UGC PROJECT:
- **Minor Research Project titled** "Automated Software Testing Using Soft Computing Techniques"**, has been completed, Ref: MANUU letter No. F.404/2016-17/212, dated 06 December, 2016.**

MeitY PROJECT:
- **Major Research Project titled** "Adaptive Assistive System for the Moderate Mentally Disabled Children", has been approved and sanctioned in the Department of Computer Science & Information Technology, Maulana Azad National Urdu University by the Ministry of Electronics & Information Technology (MeitY).

ACHIVEMENTS
1. **Director's Award** for Significant Contributions to The Working and Development of the College, Session 2007-2008 By Academy of Business & Engineering Sciences, Ghaziabad.
2. **Director's Award** for Teaching Performance Session 2008-2009 By ABES, Ghaziabad.

SUPERVISION	Number of B.Tech. | M.Tech. | MCA | Ph.D.	
	B.Tech.	25
	M.Tech.	16
	MCA	15
	Ph.D.	07 (2 Awarded, 1 Submitted, 4 Ongoing)

1. PhD SCHOLAR: **SYED IMMAMUL ANSARULLAH**
2015-2020 (Awarded)
Topic: "*Heart Disease Prediction using Data Mining Techniques*"
2. PhD SCHOLAR: **HAMZA MUTAHER ABDU ALSHAMERI**
2016-2022 (Awarded)
Research Topic: "*Security Countermeasures of OpenFlow Controller based Software Defined Networks*"
3. PhD SCHOLAR: **NAIYAR IQBAL**
2017-2022 (Submitted)
Research Topic: "*Feature Selection and Disease Prediction using Soft Computing Techniques*"
4. PhD SCHOLAR: **MOHD OMAR**
2018-Ongoing
Research Topic: "*Big Data Analytics and Prediction through Deep Learning for Efficient Intelligent Transportation Systems*"
5. PhD SCHOLAR: **MOHD ARSHAD**
2019-Ongoing
Research Topic: "*An Intelligent Model for Detection and Tracking of Two Wheeler's Traffic Rule Violation*"
6. PhD SCHOLAR: **GEETA PATTUN**
2020-Ongoing
Research Topic: "*Design and Development of an Intelligent Emotion Detection Model*"
7. PhD SCHOLAR: **MOHATESHAM PASHA QUADRI**
2021-Ongoing
Research Topic: "*Computational Linguistics Model for Low Resource Multilingual Translation*"

PROFESSIONAL MEMBERSHIPS

- **Member of Association for Computing Machines (ACM), India**
  Member ID: 9342326
- **Member of Computer Science Teachers Association (CSTA), USA**
  pradeepsharma@csta.acm.org
- **Senior Member of International Association of Engineers (IAENG)**
- **Member of International Association Computer Science & Information Technology (IACSIT), Singapore**
- **Senior Member of Universal Association of Computer and Electronics Engineers (UACEE-SNM101000422) HTTP://UACEE.ORG**

NATIONAL/ INTERNATIONAL RECOGNITION

- Reviewer for IEEE Transactions on Reliability, IEEE Publications wef December 2016
- Reviewer for International Journal of System Assurance Engineering and Management (IJSAEM), Springer Publications.
- Reviewer for International Journal of Computational Economics and Econometrics (IJCEE), InderScience Publishers http://www.inderscience.com/index.php.
- Member of editorial board for International Journal of Research Fellow for Engineers (IJRFE), India
- Reviewer & Member of Program Committee for Third International Conference Dubai
- Reviewer for Confluex 2013, 2014 at AMITY University Noida, Uttar Pradesh, India
- PhD Coordinator at School of Computing Science & Engineering, Galgotias University, Greater Noida
- Member of Board of Studies, M.Tech. (CSE), Galgotias University, Greater Noida

- Expert Panel member for One day National Conference - Gyanodaya 2014 - "NATURAL CALAMITIES AND MITIGATING STRATEGIES: OPTIONS FOR BETTER TOMORROW", at IEC Group of Institutions, Greater Noida, 29th March, 2014.
- Reviewer for 2011 Third International Conference on Machine Learning and Computing (ICMLC 2011) Singapore, February 26-28-2011, reviewer code: VIP-ICMLC-C00931.
- M.Tech. Principal Coordinator at IEC-Group of Institutions, Greater Noida (August 2010– March,2013)
- Technical Expert for "Validation Workshop organized by Computer Science Department, Jamia Milia Islamia University, New Delhi on 21st June, 2008 to review/validate the outcomes namely requirements/design Security assessment frameworks" of a DIT funded Project on Security Assessment Framework for Object Oriented Software
- Program Coordinator of Sequential MTech. (Computer Science & Engineering) of UP Technical University Lucknow at ABES Engineering College Ghaziabad 2005-2010.
- Examiner / Evaluator for various exams at Baba Bhim Rao Ambedkar University Lucknow, MDU Rohtak (HR), Amity University, UPTU Lucknow and Head Examiner in UPTU, Lucknow & MTU Noida
- Paper moderation for the subject Introduction to Information Technology M.Sc. (I.T.) Baba Bhim Rao Ambedkar University Lucknow in year 2008
- Warden, Boys Hostel, Sri Muthukumaran Institute of Technology Chennai (1997-1999)
- Panel Member of Selection Committee at ABES Engineering College, Ghaziabad
- Formal Head, Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 26th September 2017- 25th September 2020.
- Chairperson of Committee for Verification and Validation of Data for NAAC Accreditation of MANUU-2020 at Internal Quality Assurance Cell (IQAC).
- Member of Board of Studies, Department of Computer Science and Engineering, CMR Engineering College, Medchal, Hyderabad
- Observer of Entrance Test at Bangalore on 26th – 27th May 2018.
- Organizing Secretary of DRDO sponsored FDP on Cyber Security and Forensic conducted by Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India during 17th – 18th February 2020.
- Reviewer of The 5th International Conference on Soft Computing and Data Mining 2022 (SCDM 2022) held during 30-31st May 2022.
- Deputy Director, Directorate of Admissions, Maulana Azad National Urdu University, Hyderabad, Telangana, India in 2021-23.

PERSONAL DETAILS

Father's Name   : Sh. Satish Chand Sharma
Date of Birth   : 1st July 1973
Gender   : Male
Marital Status   : Married
Nationality   : Indian
Language Known   : English, Hindi, Urdu

Date: *September 25, 2022*
Place: *MANUU, Hyderabad*

Prof. Pradeep Kumar