



Dr. Shikha Gupta

Ph. D. in Computer Science and Engineering.
M.Tech. in Computer Science and Engineering
B.E. in Information Technology.

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Designation: Associate Professor in the Computer Engineering Department.

Experience: Educational: 16 years 10 months.

Teaching Experience:

1. Associate Professor in Computer Engineering Department at Rajiv Gandhi Institute of Technology, Mumbai from February 1, 2023 till date.
2. Assistant Professor in the Computer Engineering Department at Lokmanya Tilak College of Engineering, Navi Mumbai from July 2010 to January 2020.
3. Lecturer in the Computer Engineering Department at RCET, Bhilai ,Chhattisgarh from 13 August 2007 to 16 July 2010.
4. Lecturer in the Computer Engineering Department at RIT, Raipur ,Chhattisgarh from 10 July 2006 to 12 August 2007.

Areas of Interest: IoT, Big Data, Neural Network, AI

Patent:

1 granted Patent.

Title : An Empirical System For Risk Assessment Of Mental Illness Disorders Using Neural Network Diagnostic.

Granted date : 25 May 2022

Book Authored

Title: Artificial Intelligence In Cyber Security

Publisher : Book Rivers

Publication Year: 2022

Minor Research Grant Fetched:

Title: Internet of Things For Monitoring Leakage Detection Of Water Distribution Network Using GSM Technology .

Funding Agency : Mumbai University.

Year: 2016-17

Amount :20,000

Publications

Journals:

1. Cyber Security for Internet of Things, International Journal for Research in Applied Science & Engineering Technology, October2022, SJ Impact factor:7.538
2. Reality Check On Counterfeit News , IJAIR, New Delhi (India) Volume 8, Issue 4 (IX) pg no. 36-42, October -December 2021, Impact Factor:7.36
3. "Data Analysis, Visualization, and Leak Size Modeling for Water Distribution Network". In: Wang J., Reddy G., Prasad V., Reddy V. (eds) Soft Computing and Signal Processing. Advances in Intelligent Systems and Computing, vol 898. **Springer**, Singapore. First online 14 Feb 2019.
4. "Automatic and Intelligent Integrated System for Leakage Detection in Pipes for Water Distribution Network Using Internet of Things". In: Satapathy S., Joshi A. (eds) Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 1. ICTIS 2017. Smart Innovation, Systems and Technologies, vol 83. **Springer, Cham**.
5. Implementation of Alcohol and Collision Sensor in a Smart Helmet" in 2019 International Conference on Nascent Technologies in Engineering (ICNTE), 2019, pp. 1-5, doi: 10.1109/ICNTE44896.2019.8945979.**(IEEE)**
6. "Experimental Study Of Huffman Algorithm Of DataCompression With LZW Technique ",Excel international journal of technology, engineering & management., FAB2015
7. Analysis of different techniques for locating leaks in pipes in water distribution system using WSN, 2014 Innovative Applications of Computational Intelligence on Power, Energy and Controls with their impact on Humanity (CIPECH), 2014, pp. 173-177, doi: 10.1109/CIPECH.2014.7019082.**(IEEE)**

Conference:

1. "Aids Reporting System Using Steganography and Cryptography" 5th National conference on Advancement in Engineering and Science ,LTCE, Koparkhairane, 18th March2017
2. "Student Performance Analysis Using Data Mining Techniques "National conference on Advancement in Engineering and Science ,LTCE, Koparkhairane, 18th March2017
3. "Simplified CVSS 2.0 for End user" , National conference, organized by LTCE in March 2016 .
4. "Study Of Memory SinkHole In X86 Architecture", National conference, organized by LTCE in March 2016 .
5. "Wireless Sensor Network and its Routing Protocol: Concept and Research Issue" , National conference , Organized by CCEM, Raipur, sep14-15, 2014
6. "Web Usage Mining: An Approach To Promote Personalized Recommendation To End User", National conference, Organized by Velammal Engineering College, Chennai, April 11,2014

7. “An Approach towards Personalization through Web Usage Mining” International conference organized by MCCIA,Pune, 25th May 2013
8. “Communication: A Problem & solution for Hearing Handicapped Person(Deaf & Dumb)” International conference organized by YadavRao Tasgaokar Institute of Engineering. 6-7 March 2013.
9. “Determination Of Congestion Control in Multicasting” ,National conference organized by MPC CET,Bhilai 14th March2009
10. “Evaluation Of IP Multicast Technology” ,National conference organized by BIT,Durg, 7-8Nov. 2008

Professional Bodies Association:

- Life Member of ISTE

Worked as a Reviewer:

1. 3rd International Conference on Advanced Computing Technologies and Applications (ICACTA 2023) organized by SVKM’s Dwarkadas J. Sanghvi College of Engineering.
2. IEEE- International conference on Advances in Science and Technology (IEEE Bombay Section)Year: 2nd and 3rd Dec. 2022.
3. IEEE Conference on Technologies for future cities 2021.
Year: 8th -9th October 2021
4. *Track signal and image processing for ICCICT 2021 (IEEE Bombay Section)*
Year: 25-27 June 2021
5. Reviewer for IEEE Transactions on Industrial Informatics. Year: 2017

Workshop/ STTP / Seminar organized /Attended:

1. Workshop on React JS (1Week) duration 5 th july 2021 to 10 th july 2021.
2. Webinar on Infosys Springboard briefing on Certification courses, Aug 9, 2022.
3. Webinar on Resume Preparation, 29th Jan2022.
4. Webinar on Guidance on Placement Preparation , 22nd Jan 2022.
5. 1 week national level FDP on “Augmented and Virtual Reality” organized by Vishwakarma Institute of Technology. Kondhawa,Pune from20-24th Feb 2023.
6. 5days online FDP on “Amazon Web Services' ' organized by AVSEC from 27 Feb-3rd March20223.
7. AICTE-ISTE Approved One Week orientation Programme on “Cyber Risk and Security” conducted by RAIT, D. Y. Patil deemed to be University, Nerul , Navi Mumbai from 14th to 20th December 2021.
8. Participated in AICTE-AQIS Sponsored One Week Short Term Training Programme (STTP) on “Moral Values, Ethics and Behaviourial Science ” conducted during 14 to 19 June 2021 organised by Thakur college of Engg, & Tech.
9. Participated in “IT for Sustainability” on 15/6/2020 to 26/6/2020 organized by Thakur Institute of Management Studies, Career Development and Research .
10. Participated in 3 days FDP (Jointly under IQAC) on “Trends in Machine Learning and Data Science” during 28th to 30th June 2021 by LTCOE, Koparkhairne, Navi Mumbai.
11. Participated in six days FDP on “R programming ” held on 27th April 2020 to 2nd by Padmabh May Vasantdada Patil Pratishthans College of Engineering.
12. Participated in 5 days FDP on “Python ” held on 4th May 2020 to 8th May 2020 by Universal College of Engineering.
13. Participated in 5 days FDP on “AI ” held on 22nd May 2020 to 26th May 2020 by Universal College of Engineering.

14. Participated in 3 days FDP on “ Exploring Research Challenges and Opportunities in science and Technology” held on 27nd May 2020 to 29th May 2020 by Lokmanya Tilak College of Engineering.
15. Attended the webinar on “Python in Depth using Keras & Tensorflow” held on 16/5/2020 by Lokmanya Tilak College of Engineering.
16. Attended the webinar on “Blockchain Technology & its Application ” held on 18/5/2020 by Lokmanya Tilak College of Engineering.
17. Attended the webinar on “Future Prediction Using Machine Learning Algorithm ” held on 21/5/2020 by Lokmanya Tilak College of Engineering.
18. Attended Leadership Talk with Dr. Pramod Chaudhry and Dr. Abhay Jere, Chief Innovation Officer MHRD held on 16th may 2020 .
19. Attended the webinar on “Role of Online Teaching Pedagogy and ICT tools in Outcome Based Education ” held on 30/5/2020 by Lokmanya Tilak College of Engineering

QUIZ

1. Got certificate of merit on”Intellectual Property Right(Basics and its types) ”held on 7/5/2020 organized by Shree L R Tiwari College of Engineering
2. Successfully completed “COVID-19 Awareness Quiz” held on 7th may 2020 conducted by Nagpur Institute of Technology, Nagpur.