

Name: Er. Sanjay Kumar Sharma

Designation: Assistant Professor-I

Department: Computer science and engineering

Date of Joining 20.07.2007

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01991-285524 ,2312

Experience: 23 years

Educational Qualifications:

M.Tech(Communication & IT)

B.E (Computer Science)

Teaching Experience 23 years

Total Experience 23 years

1. Assistant Professor in Shri Mata Vaishno Devi University from August 2007 till date
2. Adhoc Lecturer in GCET(Govt College of Engg &Technology), Jammu from 12th of Jan,1999 to Sept, 2005.
3. Academic Counselor in IGNOU's Study Centre 1231P, GCET, Jammu (2000-05)

Areas of Interest / Specialization:

1. **Network security ,Image Processing**
2. **Java,Python programming languages**

Brief Bio-data:

M.Tech in Communication &IT from NIT,Srinagar, Kashmir. B.E Computer Science from Dr Baba Sahib Ambedkar Marathwada University, Aurangabad(MS).

My areas of interest are computer network security, Image processing. Have taught Network security, Java, python, C&C++ programming languages for more than 23 years.

Participation in Various conferences, workshops, short training courses

1. Wipro Mission 10 X workshop 1 Week Dec 2009
2. Introduction to MATLAB 1 Week 27-31 Dec 2010
3. Paper presentation at JK science congress conference Oct 2011
4. ISTE Akash for education 2 days Nov 2012
5. Coordinator workshop of two week workshop on research methodologies 25th, Jun-4th, July 2012
6. General orientation course UGC 4 weeks at Jammu University Sept-Oct 2012
7. Refresher course on IT 2/3 weeks at Jammu university 4th -26th Dec, 2013
8. Two week ISTE workshop on DBMS May 2013
9. Network security and firewalls 1 week workshop Nov 2013
10. ICT Workshop on optimization using MATLAB Oct 2016
11. ICT workshop on cloud computing Dec 2016
12. Faculty Coordinator(CSE) for Industrial trip to Infosys, Chandigarh, May, 2012

Various committee members

1. Student Seminars regularly each academic year
2. Career counseling being placement committee member and I/C(CSE) at deptt. Level till 2016.
3. Incharge Alumni affairs Committee at deptt, level till 2017.
4. Member of different committees of four convocation ceremonies
5. Member of Board of studies for past 13 years
6. Member Induction program cell university level for conduct of induction program 2019-21
7. Member of short listing/ screening committee for various technical posts like STA, LA.
8. Member of Project evaluation committee for B.Tech and M.Tech
9. Member of Placement brochure committee
10. Session chair at NCITBA 2017
11. Admission committee member M.Tech
12. Admission committee B.Tech 2020
13. Chairman Students Gown Robbing Committee

Professional Memberships

1. Member, IEEE computer

MOOC Certifications

1. NPTEL Online certification on Machine Learning (Elite) Aug-Oct, 2023
2. NPTEL/IISc Bangalore Online certification on foundation of Cryptography Jan-April, 2023
3. NPTEL Online certification on Cloud Computing (Elite) Aug-Oct, 2021
4. NPTEL Online certification on Python for data science (Elite) Jan-Feb, 2021
5. NPTEL Online certification on Patent drafting for engineers, July-Aug, 2019
6. NPTEL Online certification on Joy of computing using Python (Elite) Jan-April, 2019

List of Publications:

1. Histopathological Classification Using Fine-Tuned Deep Learning Models for Lung and Colon Cancer, in the Congress on Smart Computing Technologies(CSCT-2023) Organized by Soft Computing Research Society at SAU center for Research and Innovative Learning(SCRIL), South Asian University, India(Dec -2-03-2023)
2. Mehvish Firdous, Sanjay Sharma, Anuj Mahajan “Breast Cancer Detection from Mammograms using Deep Learning and Bio-Inspired Optimization Algorithm”.
3. Mehvish Firdous, Sanjay Sharma “A Review on the techniques used for Breast Cancer Detection and Prognosis”.
4. “Heart Arrhythmia Detection using Deep Learning (LSTM) ” pP.971-974 IEEE 12th International Conference on Communication Systems and Network Technologies (CSNT) **Scopus**
5. Satyam kastwal, sanjay Sharma “A contemplation of cloud security menaces and mitigation techniques”
6. Abhjay Bhat , Sanjay Sharma, Garima Chopra “Performance Analysis of V2V communication using NOMA for High Density Scenario”. ISBN No. 978-81-924893-6-0 9th International Conference on Advancements in Engineering and Technology, ICAET-2021 , June 25-26,2021,BGIET, Sangrur, Punjab
7. Aman Kumar, Sanjay Sharma “Detection of a Human Body and object Sanitization using Deep Neural networks with Thermal Imaging”. ISSN 2321 -9017 .Volume 8, No.6, October - November 2020 *International Journal of Bio-Medical Informatics and e-Health* . Aman Kumar *et al.*, *International Journal of Bio-Medical Informatics and e-Health*, 8(6), October – November 2020, 1- 9
8. Adhira Gupta, Sanjay Sharma “A Review: Food Recognition for Dietary Assessment/Calorie Measurement using Machine Learning Techniques” *International Journal of Engineering Research & Technology (IJERT)* ISSN: 2278-018, ICACT – 2021 Conference Proceedings . Volume 9, Issue 8.
9. Ramanjeet kour, Sanjay Sharma “Techniques for plant Disease Detection using leaf Images: A Review” at International conference on computational Methods in science and technology(ICCMST-2020) at Chandigarh Engineering College Punjab,2020. ISSN-2394-5125. Vol 7, Issue 7,2020 (published in journal of critical reviews in Scopus indexed journal).
10. Jasiya Fayaz, Sanjay Sharma “Video Based Steganography using DCT&LSB- A Survey”. NCSACT-2019 ISSN No: 1076-5131, JASC 2019.
11. Aakanksha Kapoor, Sanjay Sharma “ The Survey of the Automatic Transient Fingernail Nail Authentication”. ijoes.vidyapublications.com/vol27. 2018.
12. Sneha, Sanjay Sharma “Face Recognition Using BPNN Based Generalized Optimized Wavelet Transform” . 3rd International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM 2018) ISBN: 978-93-87433-25-0. 27th May, 2018.

13. Sneha, Sanjay Sharma “Face Recognition Techniques: A Survey”. (NCRACIT) International Journal of Scientific Research in Computer Science, Engineering and Information Technology © 2018 IJSRCSEIT | Volume 4 | Issue 1 | ISSN : 2456-3307. April,2018.
14. Aasia Ali, Sanjay Sharma “ Content Based Image Retrieval using Feature Extraction with Machine Learning” International Conference on Intelligent Computing and Control Systems. 978-1-5386-2745-7/17/\$31.00 ©2017 IEEE ICICCS 2017.
15. Aasia Ali, Sanjay Sharma “A Review: Content Based Image Retrieval Architecture and Technique”. (IJARCET) Volume 6, Issue 9, ISSN: 2278 – 1323, September 2017.
16. Zubair Ahmad Lone, Aaqib Iqbal Wani, Sanjay Sharma “A Similarity Score based Link Prediction system using Hierarchical Clustering”. Volume 6, Issue 6, ISSN: 2278 – 1323, June 2017.
17. Lone, F.R and Sharma S, 2014. “BER Analysis of BPSK and QAM Modulation Schemes using RS Encoding over Rayleigh Fading Channel”. International Journal of Computer Science and Business Informatics. ISSN: 1694-2108|Vol.14.No.2 pp. 37-45. August/September,2014.

6th National Conference & Exhibition on “Emerging and Innovative Trends in Engineering Technology” (NCEEITET) being held on **March 15th-16th, 2019** at **GCET Campus, Jammu**. 6th NCEEITET is being organized by **GCET, Jammu in technical collaboration with IIT Kharagpur**.

I would be obliged if you could spare your valuable time for chairing the Technical session of Computer Engg. Department on 15th March, 2019 at around 1:30 pm.

Your presence in Inaugural function of the Conference on 15th March, 2019 at around 10:30

PG Research Supervised

1. “Quality Analysis of image transmission over communication channels using different error detection and correction techniques” (12mms09) M.Tech May,2014 Completed
2. “A similarity score based link prediction system with hierarchical clustering”(15mms005) M.Tech July 2020 Completed
3. “Content Based Image Retrieval using Feature Extraction with Machine Learning” completed
4. “ Face Recognition Using BPNN Based Generalized Optimized Wavelet Transform”
5. “Information hiding in video steganography using LSB and logical operator” (17mms018)2020 completed

6. “Combining sift features with key points and multilayer neural network as a transient biometrics”(16mms010)completed
7. “Food Recognition for Dietary Assessment/Calorie Measurement using Machine Learning Techniques” completed
8. “Techniques for plant Disease Detection using leaf Images
9. A contemplation of cloud security menances & mitigation(Satyam Kastwal 20-22)
10. Breast Cancer Detection from mammograms using deep Learning and Bio-Inspired Optimization algorithm(22-23).

Date 20.02.2024

Er. Sanjay Kumar Sharma