

Dr. Shefali Sharma

Assistant Professor(SG)

Education: B.E, M.E. Ph.D.

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Contact No. : Ext. - 125

Areas of Interest: Computer networking, Microprocessors and microcontrollers, Digital Image Processing, Biometrics.

Brief Profile:

Dr. Shefali Sharma has completed her B.E in Electronics from Maharana Pratap College of Engineering & Technology, in 2000 and M.E in Communication from BITS, Pilani in 2002. She has 15 years of teaching experience and before joining JIET,Guna, she has worked in SEACET,Bangalore for 2 years , in Galgotias College of Engg.& technology for 4 years and in ITM ,Gwalior for 1 year.

Member of Professional Bodies: Life member Indian Science Congress

Ph.D. Supervision

Pursuing - 1. Rishika Chauhan (193A002)- Working in the field of Neural Networks

Publication@JUET

[Publication details google profile link](#)

1. Rishika Chauhan, Shefali Sharma, Rahul Pachauri, Pankaj Dumka and Dhanjay R. Mishra "Experimental and theoretical evaluation of thermo physical properties for moist air within solar still by using different algorithms of artificial neural network" J. Energy storage, vol 30,pp 101408, March 2020
2. Shefali Sharma, Shiv Ram Dubey, Satish Kumar Singh, Rajiv Saxena, Rajat Kumar Singh, "Identity verification using shape and geometry of human hands", Expert Systems with Applications. Vol.42, No.2, pp. 821-832, Feb 2015. [Citation Index: SNIP: 2.362, SJR: 1.49, Impact Factor: 1.965, H- Index: 85]
3. Shefali Sharma, Satish Kumar Singh, Rajiv Saxena , "Centroid-Shape-Signature-Wavelet Descriptor based Hand Biometric System" The Mediterranean Journal of Electronics and Communication, Vol. 11, No. 1, pp. 800-809, Jan 2015.
4. Shefali Sharma, Ashutosh Kumar Singh, Rajiv Saxena, "Hand shape coding: A robust approach for human identity verification" i-manager's Journal on Pattern Recognition, Vol.1, No. 3,pp. 8-17, September - November 2014.

Workshops and FDP Attended

(i)One week Faculty development program on "VLSI Design using Open source -Methodologies & Challenges in Digital Integrated Circuits and Memory design" organized by E&ICT

Academies of IIT (Roorkee, Guwahati), MNIT Jaipur, NIT Patna, 16th Dec.- 20th December, 2019.

(ii) One week Faculty development program on " Deep Learning and Applications " organized by E&ICT Academies of IIT (Roorkee, Guwahati), MNIT Jaipur, NIT Patna, 9th Dec.- 13th December, 2019.

(iii) Three days Faculty Development Program on "Student Induction" organised by All India Council for Technical Education (AICTE), JUET, 16th Sept.- 18th September, 2019.

(iv) One week Faculty development program on "Deep Learning and Applications" organised by E&ICT Academies of IIT (Roorkee, Guwahati), MNIT Jaipur, NIT Patna and IIITDM, Jabalpur, 27th May- 31st May, 2019.

(v) Two days national workshop on "Application of MATLAB in Science and Engineering" organized by department of Electronics and Communication Engineering department, JUET, Guna, 11-12th February, 2017.

(vi) Three days national workshop on "High Performance VLSI Architecture for Digital Signal Processing Applications: Design and Implementation" organized by MPCST and JUET, Guna, 9-11th September, 2016.

(vii) Three days national workshop on "VLSI Design" organized by JUET, Guna, 14-16th July, 2015.

(viii) Three days national workshop on "Advancements in network communication & security (ANCS-2013)", organized by DRDO, MPCST, CSI at JUET, Guna, 19-21st December, 2013.

(xi) One day workshop on "Ethical Hacking" by Ankit Fadia organized at JUET, Guna, 21st April, 2013.

(x) One week National workshop on "Application oriented Networking" organized by IUCEE at Jaypee University of Engineering and Technology, Guna, 9th - 13th July, 2012.

(xi) One week National workshop on "Image Processing and Digital Communication" organized by IUCEE at Jaypee University of Engineering and Technology, Guna, 6th - 10th June, 2011. (by Prof. Gaurav Sharma, Rochester University, USA).

(xii) One week National Workshop on, "Digital signal and image processing", organized by ECE Department, Jaypee University of Engineering and Technology, Guna, 5th -10th July, 2010.

Other Administrative Experiences

(i) Hostel Warden, Girls Hostel, Jaypee University of Engineering and Technology, Guna for Five Years. (ii) Member of University Alumni Committee. (iii) Member, Jaypee Youth Club (JYC), Jaypee University of Engineering and Technology, Guna.