Faculty Profile

Name	Dr. Shilpi Shukla
Designation	Assistant Professor & Head of Electronics & Communication Engineering Department
Department	Electronics & Communication Engineering Department
Date of Joining	10/08/2005
Qualifications	B.tech, M.Tech, Ph.D
Research Areas	Signal Processing, Speech & Speech-Emotion recognition, Swarm Intelligence, Computer Vision, Machine learning & Deep learning
e-mail id	hodec@coet.in
Total Experience	Teaching: 19 yrs
	Industry: NIL

List of Publications:

Journals(National/International):

S. No.	Title of the Paper	Name (s) of Author(s)	Name of the Journal	Vol No., Issue no., pp, Year	Publisher
1	Deep ganitrus algorithm for speech emotion recognition	Shukla, S. and Jain, M	Journal of Intelligent & Fuzzy Systems	Vol. 43, no. 5, pp. 5353-5368, 2022	IOS Press
2	A novel stochastic deep conviction network for emotion recognition in the speech signal	Shukla, S. and Jain, M	Journal of Intelligent & Fuzzy Systems	Vol. 38, no. 4, , pp. 5175-5190, 2020	IOS Press
3	A novel stochastic deep resilient network for effective speech recognition	Shukla, S. and Jain, M	International Journal of Speech Technology	Vol.24, pp. 797–806, 2021	Springer
4	A novel system for effective speech recognition based on artificial neural network	Shukla, S. and Jain, M	International Journal of Speech Technology	Vol.22, no.4, pp.959-	Springer

S. No.	Title	Author(s)	Journal	Vol/pp/year	Publisher
	and opposition artificial bee colony algorithm			969, 2019	
5	Accurate speech-emotion recognition using Brain-Inspired Decision-Making Spiking Neural Network	Jain, M. and Shukla, S	International Journal of Advanced Computer Science and Applications	Vol.10, no.12, pp.370-379, 2019	The SAI Organization
6	Increasing the performance of speech recognition system by using different optimization techniques to redesign artificial neural network	Shukla, S., Jain, M., Dubey, R.K	Journal of Theoretical and Applied Information Technology	Vol.97, no.8, pp.2404-2415, 2019	Little Lion Scientific
7	Comparative study of different routing algorithms for efficient networking	Saxena, S., Shukla, S.,	International Journal of Science & Research	Vol. 5 no. 12, pp. 1139-1143 2016	IJSR

Conferences(National/International):			
S. No.	Title of the Paper	Name (s) of Author(s)	Name of the Conference and location
1	Comparison of LSB and Proposed Modified DWT Algorithm for Image Steganography	Singh A., Chauhan M. and Shukla S.	2018 International Conference on Advances in Computing, Communication Control and Networking (ICACCCN),IEEE, Greater Noida, India
2	Localizing object relatively with discrete wavelet transform feature through a similarity measure	Sharma M. and Shukla S.	2017 3rd International Conference on Advances in Computing, Communication & Automation (ICACCA), Dehradun, India
3	Relative object localization using logistic regression	Sharma M. and Shukla S.	2017 3rd International Conference on Advances in Computing, Communication & Automation (ICACCA), Dehradun, India

4	Techniques of feature extraction and feature matching in Voice Recognition System of different Speakers	Shukla, S., Gurnani, E	2nd International Interdisciplinary Research Conference on Business, Management, Engineering, Technology and Social Science

Workshop/FDP attended :			
S. No.	Name of the Workshop/FDP	Organizer	Date
1	Lab Workshop on ARM Based SoC Design Batch -2	NIELIT Calicut and ARM in association with NPTEL	28th Dec'22- 30th Jan'23
2	Python for Data Science	NPTEL online certification -successfully completed 4 weeks course	July-August 2022
3	IIT Kanpur Intensive Training School (ITS)on PYTHON for Data Science and Data Analytics	EE Department, IIT Kanpur	13th-26th August 2022
4	Designing and Modelling of IoT, AI & ML Systems	All India Council for Technical Education (AICTE), ATAL Academy, Arm Education and STMicroelectronics	August 1st to 5th 2022
5	Design Thinking for Strategy and Innovation	IIM Lucknow	13th March'20- 15th March'20
6	2nd International Conference on Artificial Intelligence and Speech Technology(AIST-2020)	Indira Gandhi Delhi Technical University for Women, Delhi	19th-20th Nov'20
7	Onine Faculty Development Programme (FDP) on Machine Learning & Artificial Intelligence in Data Science (MAD 2020)	Department of Electronics and Communication Engineering, JIIT Noida	8th June'20- 12th June'20
8	Examination Reforms	AICTE	29th April'20- 2nd May'20

9	Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education"	AICTE	28th July'20- 1st Aug'20
10	RBCDSAI's International Summit on Data Science and AI, 2020	IIT Madras	18th June'20- 20th June'20
11	Sensor, IoT & Machine Learning	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.	1st - 5th June 2020
11	Next Generation Wireless Systems & Standards	JSS Academy of Technical Education	29th Feb -5th March 2016
12	Microcontroller Design Workshop	ABESEC, Ghaziabad	4 Dec-9th Dec, 2017
13	CMOS, Mixed Signal &Radio frequency VLSI Design	IIT, Kharagpur	30th Jan-4th Feb ,2017 Online 26th Dec,2016- 4th Feb,2017
14	Signals & Systems	I.I.T. Kharagpur and I.I.T. Bombay	2nd-12th Jan 2014.
15	Control Systems	I.I.T. Kharagpur and I.I.T. Bombay	2nd-12th Dec 2014.
16	Analog Electronics	I.I.T. Kharagpur and I.I.T. Bombay	4th-14th Jan - 2013

Workshop/FDP organized :				
S. No.	Name of the Workshop/FDP	Organized by	Date	Role
1	ISTE **S**hort **T**erm **T**raining **P**rogramme (**STTP**)) on "Pedagogy for Effective use of ICT in Engineering Education	Mahatma Gandhi Mission's College of Engineering & Technology , Noida under the National Mission on Education through ICT, MHRD, Govt. of India	05th - 7th & 19th - 21st January 2015	Remote Center Coordinator
2	College To Corporate Program - 3 Courses	Mahatma Gandhi Mission's College of Engineering & Technology , Noida under the National Mission on Education	February 19th, 2019"to "April 15th, 2019"	Course Coordinator

			through ICT, MHRD, Govt. of India		
3	Use of ICT in Education for Online and Blended Learning'	Mahatma Gandhi Mission's College of Engineering & Technology , Noida under the National Mission on Education through ICT, MHRD, Govt. of India	2 May 2016 to 10 July 2016	Remote Center Coordinator
4	Signals & Systems	I.I.T. Kharagpur and I.I.T. Bombay	2nd-12th Jan 2014.	Remote Center Coordinator
5	Control Systems	I.I.T. Kharagpur and I.I.T. Bombay	2nd-12th Dec 2014.	Remote Center Coordinator
6	Analog Electronics	I.I.T. Kharagpur and I.I.T. Bombay	4th-14th Jan - 2013	Remote Center Coordinator

Membership of Professional Bodies:
1) Indian Society for Technical Education LM 103714

Technical and Administrative Responsibilities:
Head of the department of Electronics & Communication Engineering
Reviewer of several reputed National and International journals like Wireless Personal Communication, Journal of Intelligent & Fuzzy Systems, Materials Today Proceedings etc.
Recognizing, respecting & nurturing the creative potential of each student and responding to all queries in a spontaneous manner.
Accountable for fostering a healthy learning atmosphere in class and responding to all classroom queries in a spontaneous manner.
Functioning as Project Coordinator and involved in overall academic related activities of ECE Dept.
Providing support to Examination Department for conducting exams.
Guided several projects of B. Tech students on various areas of embedded system, computer vision, signal processing, machine learning, deep learning and digital image processing. Projects guided selected in variours events like "Proestrus detection of cow in animal husbandry in AICTE Vishwakarma awards 2019, Graino-garner-chamber was selected in regional final of e-YIC 2020 etc.

Any other information you would like to share about your professional experience:

M.TECH THESIS GUIDED:
1) Relative object localization through logistic regression and DWT with similarity measure.
2) Comparative study of different routing algorithms for efficient networking.

OTHER ASSIGNMENTS:
- Remote Center Coordinator for National Mission on Education through ICT(NMEICT) workshops conducted by IIT Mumbai & IIT Kharagpur under MHRD.
- Spoken Tutorial Coordinator an initiative of National Mission on Education through ICT, MoE, Govt. of India
- Aakash Coordinator for the Aakash tablets, IIT Mumbai.
- e-yantra Coordinator funded by Ministry of Education hosted by IIT Mumbai