

Faculty Profile

Name : Dr. Pardeep Sangwan
 Designation : Associate Professor
 Qualifications : Ph. D, M. Tech., B. E.
 Phone : +91 9999026516
 Email : sangwanpardeep@msit.in
 Area of Interest/Specialization: Speech Processing, Renewable Energy
 Experience : 18+ years



Key Publications

S. No.	Title of Paper (Vol and Page No.)	Name of Journal	National/International	SCI/SCIE /SSCI/ESCI	Year of Publication	Impact Factor
1	How will COVID-19 impact renewable energy in India? Exploring challenges, lessons and emerging opportunities, Vol-77, Article-102097	Energy Research & Social Science, Elsevier, (2214-6296)	International	SSCI	2021	6.834
2	Performance of a Language Identification System using Hybrid Features and ANN Learning Algorithms, Vol-175, Article-107815	Applied Acoustics, Elsevier, (0003-682X)	International	SCIE	2021	2.639
3	An Intelligent Ranking Model for Multi-Criteria Decision Making using Fuzzy Matrix Method, Vol-14, Issue-5, pp1448-1460	Recent Advances in Computer Science and Communications, (2666-2566)	International	SCOPUS	2021	-
4	Isolated Word Language Identification System with Hybrid Features from a Deep Belief Network, https://doi.org/10.1002/dac.4418	International Journal of Communication Systems, Wiley, (1099-1131)	International	SCIE	2020	1.319
5	A Language Identification System using Hybrid Features and Back-Propagation Neural Network, Vol-164, Article-107289	Applied Acoustics, Elsevier, (0003-682X)	International	SCIE	2020	2.639
6	Feature Extraction Methods in Language Identification: A Survey, 107 (4), 2071-2103	Wireless Personal Communications, Springer, (0929-6212)	International	SCIE	2019	1.061

Papers presented in Conferences

S. No.	Title of Paper	Name of Conferences/ Seminars	National/ International	Name of Host Institution	Year
1	A Structured Approach towards Robust Database Collection for Language Identification	ACIT	International	Zarka Univ, Egypt	2020
2	Language Identification Performance Evaluation using Spectral Processing	ISMAL	International	St. M.T. E. C., Tamilnadu	2020

Awards and Recognitions

S. No.	Award	Awarding Agency	Year of Award
1.	UGC-NET	UGC	2019
2.	Best Faculty Award	Surajmal Memorial Education Society	2018-19

Patent/Copyright

S. No.	Title of Patent/Copyright	Applicants	Patent /copyright number and Year
1	A Remotely Operated Physiotherapy Glove	Dr. Pardeep Sangwan, Joyendra Roy Biswas, Parth Chopra, Shubham Sharma, Shubham Kachroo	202011026695, Applied, 2020
2	An Automatic Sanitizing Device	Ms. Deepti Deshwal, Dr. Naveen Dahiya, Dr. Pardeep Sangwan, Dr. K.P. Chaudhary	369023, Granted, 2021
3	Design & Development of Microstrip Patch Antenna for Optimized Radiation	Dr. Aman Kumari, Ms. Deepti Deshwal, Dr. Pardeep Sangwan, Dr. Naveen Dahiya, et. al.	202011051563, Published, 2020

Sponsored Project/Consultancy

S. No.	Title of Project/Consultancy	Applicants	Sanctioned Amount	Sponsoring Agency	Duration of the project specifying the date of sanctioning
1	Automatic Pain Intensity Detection by Analysing the Facial Expressions Caused due to Pain	Dr. Neeru Rathi & Dr. Pardeep Sangwan	Rs. 4,42,000 /-	DST	6-12 Months, Sep 6 th , 2018

Book Chapter Ph.D Supervised

S. No.	Title of Chapter (Page No.)	Name of Book	National/ International	Year of Publication
1	A Comprehensive Study of Deep Neural Networks for Unsupervised Deep Learning (101-126)	Artificial Intelligence for Sustainable Development: Theory, Practice and Future Applications, Springer	International	2020

Ph. D Supervised

S. No.	Full Name of the Student	Title of Thesis	Name of the host University	Year of Awarded	Supervisor/ Co-supervisor
1	Ms. Deepti Deshwal	Development of Efficient Machine Learning based Language Identification System	IFTM, Moradabad	2021	Co-Supervisor
2	Ms. Neelam Nehra	Development of an Efficient Speaker Recognition System using AI	IFTM, Moradabad	Pursuing	Co-Supervisor

Memberships of Professional bodies

S. No.	Name of the Professional Body	Member/Fellow	Remarks
1	ISTE	Life Time Member	

Other Contributions

Some of the administrative duties performed are:

- Head, Department of ECE-2nd Shift, MSIT since August, 2018.
- In-charge, Time Table Committee, MSIT for 2 years.
- In-Charge, Examination Cell, MSIT for 3 years.
- In-Charge, IQA Cell, MSIT for 3 semesters.
- Co-Convener, Annual Technical Festival of MSIT for 3 years.
- In-Charge for Admission Counselling (Document verification of all phases for MBA Course of GGSIPU) for 2 years.
- In-charge Audio-Visual Equipment Committee since December, 2015.
- In-charge, Proctorial Committee, Department of ECE, MSIT for 4 years.
- In-charge, Summer Training, Department of ECE, MSIT for 4 years.
- Member, Governing Body, MSIT