FACULTY PROFILE

Department: Electronics & Communication Engineering

1. Personal Details

NAME	DR. CHHAYA GROVER
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING
DESIGNATION	Professor
PHONE	9818335339
EMAIL ID	chhayagrover@jssaten.ac.in
Date of Joining JSSATEN	11.09.2004

2. Experience

Total Experience in Years	Teaching: 26	Industry: 5.5	Research: 09

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B. Tech.	Electronics & Communication	1989	I.E.T. Lucknow	Dr. A. P. J. Abdul Kalam Technical University, Lucknow
M.Tech.	Electronics & Communication	1998	N I T Kurukshetra	National Institute of Technology Kurukshetra
Ph.D.	Vibration Signal Processing	2021	YMCA, Faridabad	J.C. Bose University of Science and Technology, YMCA, Faridabad

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 01	
Papers Published in SCIE indexed Journals	International: 02	
Papers Published in SCOPUS indexed Journals	International: 04	
Papers Presented in Conferences / Symposium	International: 02	National: 2

5. Research Guidance

PhDs / Projects Guided	Ph.D. Awarded: Guiding:	Projects at Master's Level: 01 Projects at Bachelor's Level: 60+

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed

7. Awards/ Achievements

1.	Best Teachers Award, 2022 presented by Dr. APJ Abdul Kalam University, Lucknow in the overall performance category, on 5th September 2022
2.	Award for teaching Excellence in many courses from Principal, JSSATE, Noida.
3.	Merit position holder in 10th, 12th, B.Tech. and M.Tech.

8. Publications
i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Optimal Statistical Feature Subset Selection for Bearing Fault Detection and Severity Estimation	Chhaya Grover, Dr. Neelam Turk	Shock and Vibration ISSN: 1070-9622	Volume 2020 [Article ID 5742053] **Aug 2020**	SCIE, SCOPUS	1.616	Hindawi
2.	Rolling Element Bearing Fault Diagnosis using Empirical Mode Decomposition and Hjorth Parameters	Chhaya Grover, Dr. Neelam Turk	Procedia Computer Science ISSN: 1877-0509	Vol 167 (2020) **April 2020**	Scopus	2.27	Elsevier Science Direct
3.	Rolling Element Bearing Fault detection using Statistical Features and	Chhaya Grover, Dr. Neelam Turk	International Journal of Engineering and Advanced Technology	Volume-9 Issue-3, **February 2020**	Scopus	0.11	BEIESP

SI. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
	Ensemble classifiers		ISSN: 2249-8958				
4.	Vibration Signature Analysis using Rough Sets and Analogy-Based Reasoning Classification	Chhaya Grover, Dr. Neelam Turk	International Journal of Recent Technology and Engineering ISSN: 2277-3878	Volume-8 Issue-6, **March 2020**	Scopus	0.17	BEIESP
5.	A Novel Fault Diagnostic System for Rolling Element Bearings using Deep Transfer learning on Bispectrum Contour Maps	Chhaya Grover, Dr. Neelam Turk	Elsevier's "Engineering Science and Technology, an International Journal" ISSN: 2215-0986	Volume 31, 101049 **July 2022**	SCIE, WoS, SCOPUS	5.155	Elsevier Science Direct

ii. National Journals

SI. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher

iii. Conferences

SI. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Organizer	Date
1.	Rolling Element Bearing Fault Diagnosis using Empirical Mode Decomposition and Hjorth Parameters	Chhaya Grover, Dr. Neelam Turk	International Conference on Computational Intelligence and Data Science (ICCIDS 2019)	The North Cap University, Gurugram	6th-7th September, 2019
2.	Text Segmentation technique for Smart City Applications	Chhaya Grover, Sangeeta Mangesh	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronics Systems (ICCSEMS - 2020)	JSSATE, Noida	25th -26th September, 2020
3	Qualitative & Quantitative Comparison of Single Image Haze Removal Algorithms on Real-World Hazy Images	Chhaya Grover	An Online National Conference on Smart Energy, VLSI and Embedded Systems (NCSEVES-2021)	JSSATE, Noida	24th September, 2021

iv. Workshops /Conferences Attended

SI. No.	Name of the workshop / Conference	Organizer	Date
1	VLSI Education Workshop	MNIT Jaipur	8th March-12th March 2005

2	Faculty Development Program on Signal Processing" as part of Indo-US Engineering Faculty Leadership Institute	Global Education Center of Infosys Technologies, Mysuru	30th June- 4th July 2008
3	Summer Faculty Research Fellow Program-2013	IIT Delhi	16th May - 1st July 2013
4	IEEE Authorship Workshop	IIT Delhi	11th August 2014
5	ICT Based FDP on VLSI Design	NITTR Chandigarh and JSSATE, Noida	5th Oct. -9th Oct. 2015
6	Signal Processing & Its Applications	DR. A.P.J. Abdul Kalam Technical University and JSSATE, NOIDA	23rd April – 28th April 2018
7	Industrial automation with Robotics & 3D printer	DR. A.P.J. Abdul Kalam Technical University and JSSATE, NOIDA	4th June- 9th June 2018
8	"Research Methodology for Physical Sciences and Engineering"	Ch. Ranbir Singh Institute of Social & Economic Change, Maharshi Dayanand University, Rohtak.	11th May -17th May 2020
9	Global E-Symposium on "Global Pandemic Outbreak: Role of Technology & Automation"	Department of Computer Science and Engineering, JSS Academy of Technical Education, Noida.	1st June, - 5th June, 2020
10	FDP on Python in association with spoken tutorial IIT Bombay	National Mission on Education through ICT, MHRD, Govt. of India	22th June – 5th July, 2020
11	International Webinar on "Emerging Trends in Electronics, Communication and Information Technology	Department of Electronics and Communication Engineering, JSS Academy of Technical Education, Noida.	2nd -7th July 2020
12	FDP on "Effective Teaching Pedagogy: An Assessment Tool for Accreditation"	Inderprastha Engineering College, Ghaziabad	20th - 22nd July, 2020
13	LATEX Application for Researchers	Vidyavardhaka College of Engineering (VVCE), Mysuru.	20th - 24th July, , 2020
14	Outcome Based Education-A New Perspective	Vidyavardhaka College of Engineering (VVCE), Mysuru.	27th - 30th July, 2020
15	AICTE's Examination Reform Policy	AICTE and Chitkara University	26th - 28th July, 2021
16.	A2Z of NBA Accreditation Process	IPEC, Ghaziabad	24th August 2021- 9th September 2021
17.	Applications of Advanced Computing Techniques in Electronics Engineering	Meerut Institute of Engineering and Technology, Meerut and AICTE IDEA Lab	2nd March to 6th March, 2022
18.	Data: From synthesis and analysis to connect and security	Amity Institute of Information Technology, Amity University Noida	28th March to 2nd April, 2022
19.	Cryptography for Information Security	National Institute of Technical Teachers Training & Research, NITTTR, Chandigarh	9th May 2022 to 13th May 2022
20.	Workshop on "AI-ML Models Development & Deployment Workflow using MATLAB" in "International Symposium on Artificial Intelligence and Machine Learning – 2022"	Jointly organized by the Aeronautical Society of India, Bangalore Branch (AeSI-BB), INCOSE India Chapter and IEEE Bangalore Section Systems Council Chapter	21/09/2022 to 22/092022
21.	Professional Development Programme on Implementation of NEP 2020 for University and College Teachers	Jointly organized by IGNOU and UGC	07/10/2022 to 13/10/2022

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	National Conference on VLSI Education	JSSATE, Noida	23rd July- 27th July 2007	Co-ordinator
2	FDP on Digital Signal Processing	U P Technical University, Cranes Software and JSSATE, Noida	22nd Jan 2009 to 23rd Jan 2009	Co-ordinator
3	Workshop on Embedded Systems	JSSATE Noida	22nd September 2012	Co-ordinator
4	ICT Based FDP on VLSI Design	NITTR Chandigarh and JSSATE, Noida	5th Oct. 2015 to 9th Oct.2015	Deputy Co-ordinator
5	FDP on Signal Processing & Its Applications	DR. A.P.J. Abdul Kalam Technical University Lucknow and JSSATE, Noida	23rd April 2018 to 28th April 2018	Organizing Committee Member
6	International Webinar on "Emerging Trends in Electronics, Communication and Information Technology"	JSSATE, Noida	2nd July 2020-7th July 2020	Organizing Committee Member
7.	An Online National Conference on Smart Energy, VLSI and Embedded Systems (NCSEVES-2021)	JSSATE, Noida	24 September, 2021	Organizing Committee Member
8.	Arduino based system design using Tinker CAD Free Simulator	NITTTR Chandigarh	20th June – 24th June, 2022	Co-ordinator

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1.	Grover, Chhaya, and Neelam Turk. "Rolling element bearing fault diagnosis using empirical mode decomposition and Hjorth parameters." presented at Elsevier International Conference on Computational Intelligence and Data Science (ICCIDS 2019)	The North Cap University, Gurugram	6 & 7 September 2019

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Non-Conventional Energy Resources	IIT Madras	May 2018	-

10. Membership of Professional Bodies:

1. ISTE Life Membership

11. Any other information you will like to share about your professional experience

Courses Taught:

Signals & Systems	Digital System Design	Digital Integrated Circuits
Digital Signal Processing	Digital Image Processing	Fundamentals of Electronics Engineering
Solid State Devices	VLSI Technology	VLSI Design
Renewable Energy Resources	VLSI Test and Testability	Electronic Switching

Faculty Name: Dr. Chhaya Grover

Designation: Associate Professor

Dept.: Department of Electronics and Communication Engineering

JSS Academy of Technical Education, Noida