

FACULTY PROFILE

Name of Teaching Staff			Dr. Monika Jain			
Designation			Professor, Dean(R& D)			
Department			ECE, TIFAC			
Date of joining the Institution:			01/05/2024			
Date of Birth	16/08/1976	College ID	F860			
Qualifications with Class/Grade			UG	PG	PhD	
			M.Sc. (Electronics & Instrumentation Engg.)	M.Tech.(Instrumentation)	Ph.D. (Electronics & Computer)	
			Percentage /CGPA	Percentage /CGPA	Percentage/CGPA: N.A.	
			79 % First position (Merit scholarship from Industry)	90% First Position, .	Accolade of research paper IEEE Transaction on Broadcasting (SCI, Q1, H-index-77, Impact factor: 3.5)	
Total Experience in Years			Teaching (Excluding Research)	Industry	Research	Others
			24 years & 08 Months	08 months	Ph.D. Research work for industrial problem by ST Microelectronics	6 Months Industrial Internship at MNC (GE Alstom)
No. of Papers Published in Journals			National		International	
			01		19	
No. of Papers Presented in Conferences			National		International	
			10		12	
Area of Specialization			Electronics & Computer Engineering, Automation			
PhD Guide? Give field & University			Field		University	
			Ph.D. Guide: DR P.C. Jain, Section Manager STMicroelectronics, Gr Noida, Field: Clock synchronization for Satellite, Terrestrial and IP Digital STB		BITS Pilani, Pilani campus	
No. of PhDs/Projects Guided			PhDs Ongoing	PhDs Completed	Projects at Master level	
			Nil	Nil	06	
Research Guidance			No. of Papers Published in National Journals	No. of Papers Published in National Conferences	No. of Papers Published in International Journals	No. of Papers Published in International Conferences
			-	-	-	-

Books Published/IPRs
(Books Details- Title/ISBN/Publisher/Year)

- 1. Editor (M. Jain, U. Tiwari, V. Jain, C. Mahapatra, S. Mehruz)** "Biomedical Engineering and Signal Processing with AI & ML", Nova Science publishers, Series: Internet of Things and Machine Learning; Biomedical Devices and their Applications, Feb 2026, DOI: <https://doi.org/10.52305/EJVA7871>
- 2. Editor (S.N. Singh, F. Wen, M. Jain)** "Advances in Energy and Power Systems" **SPRINGER** Book series **LNEE** Lecture Notes in Electrical Engineering June 2018, ISBN: 978-981-13-0662-4, Springer Singapore(**Scopus**)
- 3. Editor(S.N. Singh, F. Wen, M. Jain)** "Advances in system Optimization and Control" **SPRINGER** Book series **LNEE** Lecture Notes in Electrical Engineering, June 2018, ISBN: 978-981-13-0665-5, Springer, <https://doi.org/10.1007/978-981-13-0665-5>, (**Scopus**)
- 4. Editor (M. Jain, J. Singh, N. Kathuria)** "Signal Processing & Communication" **Inderscience** International Journal of Digital Signal & Smart System"(ISSN Online: 2398-032X, ISSN print :2398-0311), May 2020.
- 5. Editor (M.Jain, N. Kathuria),** 2017 DST International Conference on Advancements in Energy, Drive & Control" 2017 Excellent Publishers, ISBN: 978-93-86238-20-7.
- 6. Editor (M.Jain, N. Kathuria),** 2018 IEEE I. Conference on Sustainable Energy, Electronics & Computing Systems SEEMS", Wisdom Publications, ISBN: 978-93-85504-91-4.
- 7. Authored (S.Jaiswal,M.Jain)** "A Novel Approach for Detection and Analysis of Brain Tumor" by LAP Lambert Academic Publishing on Jul 2015 (ISBN-10: 3659745049/ISBN-13: 978-3659745041)(GCET)
- 8. Authored (M.Beg, S. Beg, M.Jain)** "Breast Cancer Diagnosis: An Expert System" by LAP Lambert Academic on Jul 2012 (ISBN 10: 3659159883 /ISBN 13: 9783659159886) (GCET)
- 9. Authored (M. Jain),** "Clock Synchronization in Satellite, Terrestrial and IP Set-top Box for Digital Television, Ph.D. thesis from BITS Pilani, March 2010 (<https://shodhganga.inflibnet.ac.in:8443/jspui/handle/10603/475241>)

Projects Carried Out	-				
Courses Taught	Diploma	Post Diploma	Under Graduate	Post Graduate	Post Graduate Diploma
	-	-	20	02	-
Patent (Filed/Granted)	IPR (4 Granted, 4 Published)				
Professional Memberships	SM IEEE(94182343), LM IETE(198565)				
Grants Fetched / Awards	Awardee - " MODROBS " project grant from AICTE in 2012 Recipient - International "Foreign Travel Grant" from CSIR, 2009. 12+ Time recipient of FINANCIAL GRANTS from Ministry of Govt of India for National/ International Seminar/Conferences/FDPs				
Interaction with Professional Institutions	DST, CDAC, AICTE, EDII,				
Technology Transfer	-				