




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Electronics and Communication Engineering.



FACULTY PROFILE

1. Personal Details

NAME	Dr. MANOJ JOSHI	
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	8859916019	
EMAIL ID	manojjoshi@jssaten.ac.in	
Date of Joining (JSSATEN)	07/11/2022	

2. Experience

Total Experience in Years: 11	Teaching: 05	Industry: 00	Research: 06
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	2011	DIT Dehradun	UTU Dehradun
M.Tech.	ELECTRONICS AND COMMUNICATION ENGINEERING	2014	KEC DWARAHAT (Govt.)	UTU Dehradun
Ph.D.	ECE (VLSI Analog Circuit Design)	2021	National Institute of Technology Manipur	NIT
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 08	National: 00
Papers Published in SCOPUS indexed Journals	International: 01	National: 00
Papers Published in other Journals	International: 00	National: 00
Papers Presented in Conferences / Symposium	International: 07	National: 00
Books / Book chapters Published	06	

5. Research Guidance

PhD Guide? Give field & University	No	University: NIL
PhDs / Projects Guided	Ph.D. Awarded: Guiding: NIL	Projects at Master's Level: -01 Projects at Bachelor's Level: 08

6. Grants

i. Funds Received (Projects)

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

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Method and system to provide an Enhanced cleaning of laundries through a washing machine	202211006622 (02-08-2022) filled
2	System and method to recognize a text present in an environment for visually impaired person	filled
3	-	-
4	-	-

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received

Expert Lecture	One week short term Course (STC) program on “Analog Circuit Design using ORCAD: Hand on Training
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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.	Low power chaotic oscillator employing CMOS	Manoj Joshi, Ashish Ranjan	Integration the VLSI Journal ISSN: 0167-9260	Volume 85, July 2022, Pages 57-62 doi.org/10.1016/j.vlsi.2022.02.011	SCI	1.211	Elsevier
2.	A new high frequency MOS-C TOETQO employing DXCCTA	Rubila Laishram, Manoj Joshi, Ashish Ranjan	International Journal of Electronics Letters ISSN:2168-1724	Volume 10, Jan 2022, Pages 505-520 https://doi.org/10.1080/21681724.2021.2025435	SCI	1.336	Taylor and Francis
3.	Dual Feedback IRC Ring for Chaotic Waveform Generation	Manoj Joshi, Ashish Ranjan	IET Circuits Devices & Systems ISSN:1751-8598	Volume 15, October 2021 Pages 595-601 doi.org/10.1049/cds2.12054	SCI	1.297	IET
4.	Nth order Simple Hyperjerk System with unstable equilibrium and Its Application as RPG	Manoj Joshi, Ashish Ranjan	Circuits, Systems, and Signal Processing ISSN: 1531-5878	Volume 40, Pages 5913–5934, May 2021, doi.org/10.1007/s00034-021-01752-3	SCI	2.225	Springer
5.	Investigation of dynamical properties in hysteresis-based a simple chaotic waveform generator with two stable equilibrium	Manoj Joshi, Ashish Ranjan	Chaos, Solitons & Fractals ISSN: 0960-0779	Volume 134, May 2020, Page 109693 doi.org/10.1016/j.chaos.2020.109693	SCI	5.944	Elsevier
6.	An Autonomous Simple Chaotic Jerk	Manoj Joshi,	International Journal of	Volume 30(5), Page 2050070,	SCI	2.836	World Scientific

	System With Stable And Unstable Equilibria Using Reverse Sine Hyperbolic Functions	Ashish Ranjan	Bifurcation and Chaos ISSN: 0218-1274	2020, doi.org/10.1142/S0218127420500704			
7.	New simple chaotic and hyperchaotic system with an unstable node	Manoj Joshi, Ashish Ranjan	AEU - International Journal of Electronics and Communications	Volume 108, Pages 1-9, August 2019, ISSN: 1434-8411	SCI	3.183	Elsevier
8.	An autonomous chaotic and hyperchaotic oscillator using OTRA	Manoj Joshi, Ashish Ranjan	Analog Integrated Circuits and Signal Processing ISSN 1573-1979	February 2019, 101(3), Pages 401-413, doi.org/10.1007/s10470-019-01395-0	SCI	1.337	Springer

ii. National 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
01	Designing of Chebyshev Higher Order Filter using OTRA	Vivek Bhatt, S khantwal, Ravi Negi, Manoj Joshi	International Journal of Recent Technology and Engineering	2020, 8, 2163-2167, ISSN:2277-3878	Scopus	-	-

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1.	A new High Order Electronically Tunable Oscillator (HO-ETO)	Manoj Joshi, Rakesh Kumar, Mohan Singh and Shilpa Choudhary	1 st International Conference on Science, Technology and Engineering (ICSTE 23) (Feb 2023)	-	Scopus	-	Springer

2.	Design and Implementation of Third Order Oscillator using CFOA and OTA	Manoj Joshi , Kirti	International Conference on Electrical, Computer and Energy Technologies Taj Cape Town, Cape Town, South Africa, 10.1109/ICECET52533.2021.9698785	09 - 10 Dec 2021	Scopus	-	IEEE
3.	Realization of Higher-Order Hyperchaotic Jerk System	Manoj Joshi , Vivek Bhatt	First International Virtual Conference on Integrated Intelligence Enable Networks & Computing, Institute of Technology, Gopeshwar, India	May 25-27, 2020	Scopus		Springer
4.	Current Controlled Chaotic Chua's Circuit using CCCII	Manoj Joshi , Ashish Ranjan	First International Conference on Advanced Communication & Computational Technology, NIT, Kurukshetra, India	Dec 6-7, 2019	Scopus		Springer
5.	A Current Tunable Third Order Oscillator Using CCDDCC	Sunil Kumar Yadav, Manoj Joshi , Ashish Ranjan	3th International Conference on Micro-Electronics and Telecommunication Engineering, SRM University, Delhi NCR	28-29 Sep, 2019	Scopus		Springer
6.	Realization of Novel multi-scroll 2D Chaotic Oscillator Using DVCC	Manoj Joshi , Ashish Ranjan	International Conference on Manufacturing, Advance Computing, Renewable Energy and Communication, HMR Institute of Technology and Management, Delhi, India	July 19 th - 20 th 2018	Scopus		Springer
7.	OTRA Based Second-Order Universal Filter and its optimization like Butterworth, Chebyshev, and Bessel	Vivek Bhatt, Pramod Benjwal, Manoj Joshi	Second International Conference on Research in Intelligent and Computing in Engineering, Gopeshwar, India	March 24-26, 2017	Scopus		
8.	Realization of Colpitts oscillator using second-generation current controlled current conveyor	Manoj Joshi , Vivek Bhatt, Ashish Ranjan, Pramod Benjwal	Second International Conference on Research in Intelligent and Computing in Engineering, Gopeshwar, India	March 24-26, 2017	Scopus		

9.	Realization of third-order low pass filter and its nature like Butterworth, Bessel and Chebyshev using OTRA	Ashish Ranjan, Vivek Bhatt, Manoj Joshi	International in Computing & Communication Engineering (ICACCE-2014) BTKIT Dwarahat, India	Feb 22-23, 2014	Scopus		
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iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1.	Python 3.4.3 Training	Spoken Tutorial Project, IIT Bombay	2023-01-03
2.	FDP on Embedded System and IoT	STMMicroelectronics, India	10,20, 22 April 2022
3.	A2Z of NBA Accreditation Process	IEC Ghaziabad	Aug 24 th to Sept 09 th 2021
4.	Participated in the IDO-USA online Short Term Course on Approaches to DSP Architecture Optimization	SPARC- Ministry of Education.	14-17 July, 2021
5.	Reforms in Indian Education System Through NEP-2020	GLBITM Greater Noida	16 to 18 Dec 2021
6.	Trends in Electronics and Communication Engineering	NIT Manipur	27 to 31 Dec 2020
7.	Device Modelling using synopsis, NIT Manipur	NIT Manipur under TEQIP	16-20 Nov. 2019
8.	VLSI Design Flow Using Cadence Suite, NIT Manipur	E&ICT- IIT Guwahati & NIT Manipur	25-29 March. 2019
9.	NKN course on “Wireless and Mobile Communication” NIT Manipur	E&ICT- IIT Guwahati, & NIT Manipur	3 -7 Dec. 2018
10.	NKN course on “DSP and Sensor”, NIT Manipur	E&ICT- IIT Guwahati & NIT Manipur	10-15 Dec.2018
11.	Fractional order System, IIT Kharagpur	IIT Kharagpur	16-20 Feb.2018

v. Workshops / Conference (Organized)

l. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Organized three days INTERNATIONAL CONFERENCE on	GL Bajaj institute of Technology and Management greater Noida	Oct 29 th - 31 st , 2021	Organizing Committee

	Modern Electronics Devices and Communication systems MEDCOM 2021			
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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.	Design and Implementation of Third Order Oscillator using CFOA and OTA	International Conference on Electrical, Computer and Energy Technologies Taj Cape Town, Cape Town, South Africa, 10.1109/ICECET52533.2021.9698785	09 - 10 Dec 2021
2.	Realization of Higher-Order Hyperchaotic Jerk System	First International Virtual Conference on Integrated Intelligence Enable Networks & Computing, Institute of Technology, Gopeshwar, India	May 25-27, 2020
3.	A Current Tunable Third Order Oscillator Using CCDDCC	3th International Conference on Micro-Electronics and Telecommunication Engineering, SRM University, Delhi NCR	28-29 Sep, 2019
4.	Realization of Novel multi-scroll 2D Chaotic Oscillator Using DVCC	International Conference on Manufacturing, Advance Computing, Renewable Energy and Communication, HMR Institute of Technology and Management, Delhi, India	July 19 th - 20 th 2018
5.	OTRA Based Second-Order Universal Filter and its optimization like Butterworth, Chebyshev, and Bessel	Second International Conference on Research in Intelligent and Computing in Engineering, Gopeshwar, India	March 24–26, 2017
6.	Realization of Colpitts oscillator using second-generation current controlled current conveyor	Second International Conference on Research in Intelligent and Computing in Engineering, Gopeshwar, India	March 24–26, 2017
7.	Realization of third-order low pass filter and its nature like Butterworth, Bessel and Chebyshev using OTRA	International in Computing & Communication Engineering (ICACCE-2014) BTKIT Dwarahat, India	Feb 22- 23, 2014

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1				

10. Membership of Professional Bodies:

Institute of Electronics and Electrical Engineers (IEEE)
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11. Any other information you will like to share about your professional experience

GATE EXAM qualified in Electronics & Communication Engineering.