FACULTY PROFILE

1. Personal Details

NAME	**Dr. Ritesh Kumar Jaiswal**
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING
DESIGNATION	ASSISTANT PROFESSOR
PHONE	7071244802
EMAIL ID	riteshjaiswal@jssaten.ac.in
Date of Joining (JSSATEN)	06/05/2022

2. Experience

Total Experience in Years:-6 Y 6 Months	Teaching:- 6 Y 6 Months	Industry:- 0	Research:-0

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Electronics and Telecommunication Engineering (E&TC)	2007	RKGIT Ghaziabad	U.P.T.U. Lucknow
M.Tech.	Digital Systems (ECE)	2010	Madan Mohan Malaviya Engineering College Gorakhpur	G. B. T. U. Lucknow
Ph.D.	VLSI (ECE)	2019	Motilal Nehru National Institute of Technology Allahabad, Prayagraj	Motilal Nehru National Institute of Technology Allahabad, Prayagraj
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 03	National: 00
Papers Published in SCOPUS indexed Journals	International: 00	National: 00
Papers Published in other Journals	International: 00	National: 00
Papers Presented in Conferences / Symposium	International: 07	National: 00
Books / Book chapters Published	-	

5. Research Guidance

PhD Guide? Give field & University	No	University: NIL
PhDs / Projects Guided	Ph.D. Awarded: Guiding: NIL	Projects at Master's Level: -00 Projects at Bachelor's Level: 5

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
-	-	-

iii. Consultancy

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

7. Awards Received

Awards "Best Paper Award"	-

8. Publications
i. International Journals

Sl. No	Title of the paper	Name(s) of Author(s)		Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Perspective and Opportunities of Modulo 2^n-1 Multipliers in Residue Number System: A Review	Raj Kumar, **Ritesh Kumar Jaiswal**, and **Ram Awadh Mishra**.	*Journal of Circuits, Systems and Computers*	Vol. 29 no. 11, (2020), Page 2030008	Both	1.333	World Scientific
2	"Electronic Structure and Optical Properties of Gallium-Doped Hybrid Organic–Inorganic Lead Perovskites from First-Principles Calculations and Spectroscopic Limited Maximum Efficiencies"	**Ritesh Kumar Jaiswal**, Raj Kumar and **Ram Awadh Mishra**.	*Journal of Circuits, Systems and Computers*	Vol. 27 no. 5, (2018): Page 1850075	Both	1.333	World Scientific
3.	Area Efficient Sparse Modulo 2^n-3 Adder	**Ritesh Kumar Jaiswal**, Chatala Naveen Kumar and **Ram Awadh Mishra**.	*Circuits and Systems*	Vol. 7 no. 12 (2016): Page 4024	--	---	Scientific Research

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
-	-	-	-	-	-	-	-

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	Design and	Manikanta, G.,	*Advances in*	Vol 1. 2,	Scopus		Springer

	Title	Authors	Publication	Pages/Year	Indexing		Publisher
	Analysis of Self biased OTA for Low-Power Applications	**R. A. Mishra**, N. A. Srivastava, and **R. K. Jaiswal**.	*VLSI, Communication, and Signal Processing*	pp. 627-637, 2020			
2	Efficient Design for High Speed and Low Area Reverse Converter for Moduli Set $\{2^{n}, 2^{2n}-1, 2^{2n}+1\}$	Kumar, Raj, **Ritesh Kumar Jaiswal**, and **Ram Awadh Mishra**.	*International Conference on Electrical, Electronics and Computer Engineering (UPCON), AMU Aligarh*	Vol. 1. Pp. 1-6. 2019	Scopus		IEEE
3	Outage Probability of Device-to-Device Communication Underlaying Cellular Network over Nakagami/Rayleigh Fading Channels	Singh, Indrasen, **R. K. Jaiswal**, Varun Kumar, Rajiv Verma, N. P. Singh, and Ghanshyam Singh	*International Conference on Emerging Trends in Engineering and Technology-Signal and Information Processing (ICETET-SIP-19)* GHRCE Nagpur,	Vol. 1. Pp. 1-5. 2019	Scopus		IEEE
4	Linearity Enhancement of CMOS OTA for High Performance Applications	Prasad, Narendra, Nilesh Anand Srivastava, **Ritesh Kumar Jaiswal**, and **Ram Awadh Mishra**	*5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON),* MMMUT Gorakhpur	Vol. 1. Pp. 1-6. 2018	Scopus		IEEE
5.	Performance evaluation of digital and RNS based filter for fast DSP processors.	**Jaiswal, R. K**., Megha Bagre, and **R. A. Mishra**	*International Conference on Emerging Trends in Computing and Communication Technologies (ICETCCT),* GEHU Dehradun	Vol. 1. Pp. 1-4. 2017	Scopus		IEEE

| 6 | New Area Efficient Modulo 2^n+1 Multiplier | Singh Premlata, **Ritesh Jaiswal** and **R. A. Mishra** | *IC$_4$T 2K* 2016 Nov 10-12, SRM University Lucknow | Vol. 1. Pp. 1-5. 2016 | -- | | IEEE |
| 7. | Performance analysis of SiGerC HBT | **Jaiswal, Ritesh Kumar**, and **R. K. Chauhan** | *International Conference on Computer and Communication Technology (ICCCT), MNNIT Allahabad* | Vol. 1. Pp. 1-5. 2010 | Scopus | | IEEE |

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	FDP on *Advanced Embedded System & Microelectronics* (AESM-2016)	MNNIT Allahabad	14-20 July, 2016
2	Workshop on *Soft Skills* (SS-2018)	MNNIT Allahabad	21-25 May 2018
3	Short Term Course on *Sub-micrometer Semiconductor Device to Circuit CoDesign and Modeling Techniques*	Dr. B. R. Ambedkar National Institute of Technology Jalandhar	20-25 August 2020
4	workshop on *Embedded System- An Application Driven Approach*	AICTE and ST Microelectronics and ARM	25-27 August 2021
5	ATAL faculty development program on *Recent Trends and Advances in Photonic Integrated Circuits and Its Applications*	University Institute of Technology Himanchal Pradesh University	4 – 8 October 2021
6	*AICTE Recognized Faculty Development Programme* **on Arduino based system design using Tinker CAD Free Simulator**	NITTR CHANDIGARH	20-24 June 2022
7	Two weeks Faculty Development Program on "**Emerging Technologies**	Jamia Hamdard, New Delhi	1-14 August 2022
8	Microsoft India & SAP India led Faculty Development Program on "**Artificial Intelligence**	TechSaksham Program	21-23 Dec 2022

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Standardization *& Intellectual property Rights (IPR),* **7**th GISFI meeting	ITU and GISFI	2011	Volunteer

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			
2			

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	**Microelectronics: Device to Circuits**	NPTEL	Jul-Oct 2021	69%
2	*LaTeX for Students, Engineers, and Scientists*	**IITBombayX**	4th December 2019	A+

10. Membership of Professional Bodies:

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

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Qualified GATE in EC: 2006, 2014, 2020
Qualified UGC NET in Electronic Science: December 2015