PERSONAL DETAILS

Phone : 7250893700
Mail :rajiv@iiitranchi.ac.in
Webpage

EDUCATION

Degree	College/School	Subject	Year of Passing
Ph.D	NIT Jamshedpur	Optical Communication	2020
M.Tech	BIT Mesra,Ranchi	Wireless Communication	2013
B.E.	RGPV,Bhopal	Electronics and Communication	2010

WORK EXPRIENCE

Assistant Professor   Mon. xxxx – Present
Indian Institute of Information Technology, Ranchi

RESEARCH AREAS

1. Optical Communication
2. sensors

RESEARCH WORK SUMMARY

Journals (SCI/Scopus Indexed)	Other Journals	International Conferences	Books/Book Chapters	Total Publications
3	2	3	1	09
Projects	**Ph.D (Awarded)**	**Ph.D (Ongoing)**	**Citations**	**H-Index**
		01		

SKILLS

ADMINISTRATIVE RESPONSIBILITIES

- **Faculty In charge Central Library.**
- **Faculty Advisor Student Mess.**
- **Hostel Warden Block-4.**

RESEARCH PROJECTS

Ph.D SUPERVISION

01 ongoing

M.TECH and B.TECH DISSERTATIONS GUIDED

No. of M.Tech Dissertations Guided: No. of B.Tech Dissertations Guided: 20

PUBLICATIONS

Books/Book Chapters:

1. .
2.

SCI Indexed Journals:

1. Kumar, Rajiv. "Mach–Zehnder interferometer–based optical Gold sequence generator" Journal of Optical Communications, 2023. https://doi.org/10.1515/joc-2023-0173
2. Kumar, Rajiv. "Pseudo noise sequence generator based on cascaded Mach–Zehnder interferometer" Journal of Optical Communications, 2023. https://doi.org/10.1515/joc-2022-0278
3. Kumar, R., Kumar, A., Singh, P. et al. All-optical pseudo noise sequence generator using a micro-ring resonator. Front. Optoelectron. 14, 365–373 (2021). https://doi.org/10.1007/s12200-020-0947-9

International Conferences:

1. Kumar, R., Singh, P., Kumar, N. (2021). Alamouti Code Generator in Optical Domain Using Mach–Zehnder Interferometer. In: Nath, V., Mandal, J.K. (eds) Proceedings of the Fourth International Conference on Microelectronics, Computing and Communication Systems. Lecture Notes in Electrical Engineering, vol 673. Springer, Singapore. https://doi.org/10.1007/978-981-15-5546-6_7
2. R. Kumar, N. Kumar, P. Singh and A. Kumar, "Design of Turbo Code Generator in Optical Domain using Mach-Zehnder Interferometer," 2019 International Conference on Computing, Power and Communication Technologies (GUCON), New Delhi, India, 2019, pp. 241-244.
3. R. Kumar, N. Kumar, P. Singh and A. Kumar, "All-Optical Single Bit Magnitude Comparator using the Micro-Ring Resonator Structure," 2018 International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE), Bhubaneswar, India, 2018, pp. 780-783, doi: 10.1109/ICRIEECE44171.2018.9009417

OUTREACH ACTIVITIES

International Conferences Organized:

1.

FDPs Organized:

1.

Invited Talks:

1.

Other Activities:

1.

DECLARATION

I hereby declare that the above particulars are true to the best of my knowledge and belief.

(Name of Faculty)
Last Updated: