FACULTY PROFILE

1. Personal Details

NAME	**Dr. KAMAL KISHOR UPADHYAY**
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING
DESIGNATION	ASSISTANT PROFESSOR
PHONE	8840750842
EMAIL ID	kamal.kishoresiet@gmail.com
Date of Joining (JSSATEN)	03/11/2022

2. Experience

Total Experience in Years:-6 and 3 months	Teaching:-4 Yrs 1 Month	Industry:- 09 Months	Research:-1yrs and 5 Months

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B. Tech.	Electronics and Communication Engineering	2010	Shambhunath Institute of Engineering and Technology, Prayagraj	AKTU, Lucknow
M.Tech.	ECE-Communication Technology	2013	Department of ECE	University of Allahabad, Prayagraj, U.P.
Ph.D.	Optical Fiber Communication	2019	Department of ECE	University of Allahabad, Prayagraj, U.P.
Post Doctoral fellow	Bio-Medical Engineering	2021	Department of Applied Sciences	IIIT Allahabad, Prayagraj, U.P.

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 02	National: 02
Papers Published in SCOPUS indexed Journals	International: 02	National: 02
Papers Published in other Journals	International: 02	National: 02
Papers Presented in Conferences / Symposium	International: 02	National: 02
Books / Book chapters Published	02	

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: 02

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.	**A System and a method for high speed multimode data Transmission for Short haul Communication (2020103000- Australian Government)**	**Awarded**
2.	**A System and a method for high speed data Processor for short haul communication (202011042974 A)**	**Published**
3.	**IOT based touch sensors embedded smart gloves wheelchair (202111052210)**	**Published**

iii. Consultancy

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

		the Grant		
-	-	-	-	-

7. Awards Received

Awards	1. Distinguish Youth Annual Award-2018 2. Best Paper Award in IEEE Conference-2016 at KNIT Sultanpur 3. Best Paper Award in international Conference 2020 at KIET Ghaziabad 4. Gate Qualified EC,2009,2010,2011,2012,2013

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	A high speed 100 Gbps MDM-SAC-OCDMA multimode transmission system for short haul communication"	Kamal Kishor Upadhyay, Narendra Kumar Shukla, Sushank Chaudhary	OPTIK	202 163665	SCI	3.2	Elsevier
2.	A novel model of all-optical reversible XOR/XNOR logic gate on a single photonic circuit	KK Upadhyay, Vanya Arun, Saumya Srivastava, NK Mishra, NK Shukla	Indian Journal of Physics	93(8) 1081-1094	SCI	2.4	Springer
3.	Design and performance analysis of all-optical reversible full adder, as ALU	Kamal K Upadhyay, Saumya Srivastava, Vanya Arun, Narendra Kumar Shukla	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	90(5) 899-909	SCI	1.91	Springer
4.	High-speed 120 Gbps AMI-WDM-PDM free space optical transmission system	Kamal Kishore Upadhyay, Saumya Srivastava, NK Shukla, Sushank Chaudhary	Journal of Optical Communications	40(4) 429-433	Scopus	0.30	De Gruyter
5.	Optimization of MDM-FSO system with different encoding schemes	Saumya Srivastava, Kamal K Upadhyay, Nar Singh	Indian Journal of Physics	94(11) 1803-1809	SCI	2.4	Springer
6.	Design and performance analysis	Kamal K Upadhyay,	Journal of Optical	41(3) 235-239	Scopus	0.3	De Gruyter

	of MZI based 2×2 reversible XNOR logic gate	Saumya Srivastava, Nikhlesh K Mishra, NK Shukla	Communications				
7.	Implementation of frequency encoded all optical reversible logic	Nikhlesh Kumar Mishra, Upendra Chaurasiya, Saumya Srivastava, Shubham Shukla, Kamal K Upadhyay	Journal of Optical Communications		Scopus	0.3	De Gruyter
8.	Novel approach to jointly optimize working and spare capacity of survivable optical networks	Ashutosh Kumar Singh, Vanya Arun, Pallavi Singh, Kamal Kishore Upadhayay	Journal of Optical Communications		Scopus	0.3	De Gruyter
9.	Implementation of microfludic Fredkin Logic gate	Kamal Kishor Upadhyay, Nikhlesh Mishra, Saumya Srivastava, Narendra Kumar Shukla	Microelectronics	128(3) 312-319	SCI	2.41	Elsevier
10.	High Speed Passive Optical Network Based Elastic Optical Communication System	Nikhlesh Kumar Mishra, Kamal Kishore Upadhyay, NK Shukla,	Journal of Optical Communications		Scopus	0.3	De Gruyter
11.	Design and Performance Analysis of MZI Based Reversible XOR Logic Gate	Kamal K Upadhyay, Saumya Srivastava, Nikhlesh K Mishra, NK Shukla,	Journal of Optical Communications		Scopus	0.3	De Gruyter
12.	Proposed model of all optical reversible and irreversible modules on a single photonic circuit	Ritvik Shukla, Salini Bose, Kamal K Upadhya, et al.	Journal of optical Communication		Scopus	0.3	De Gruyter Germany
13.	Design and Analysis of Low cost Tera Hertz Antenna for Viral detection	Kamal K Upadhyay, Ravindra Mishra, Sudhakar Pandey, Narendra Kumar Shukla	AEU	158(2)	SCI	3.19	Elsevier
14.	High Speed Passive Optical Network Based Elastic Optical	Nikhlesh Kumar Mishra, Kamal Kishore	Journal of Optical Communicati	-	Scopus	0.30	De-Gruyter

	Communication System	Upadhyay, Narendra Kumar Shukla	on				
15.	Dccn based technique to Analyze the data of foggy and snowy season	Sachin Harne, Abha Chaubey, Upendra chaurasiya, Kamal K Upadhyay	Periodico di Mineralogia	91(4)	WOS	0.78	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
-	-	-	-	-	-	-	-

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	Path Planning and Parameter Analysis of Multi-Agents using Hybrid Cs-Pso Optimization Algorithm in the known and unknown Environment	Shubham Shukla, Kamal KishorUpadhyay, Narendra Kumar Shukla, "	ICSMEC-2020.	1(1) 2020	WOS		IEEE
2.	High-Speed Optical Mode Division Multiplexing of Hermite–Gaussian Modes in Multimode Fiber	Saumya Srivastava, Kamal KishorUpadhyay, Nar Singh	**ICCET**	1 2020	WOS		**Springer**
3.	Performance Evaluation of High Speed DWDM Free Space Optic Communication System under Different Atmospheric Turbulence	Saumya Srivastava, Kamal KishorUpadhyay, Nar Singh,	NASI-18	88	WOS		Springer
4.	Design and performance	Kamal KishorUpadhyay,	NASI, DEC-2018	88	WOS		Springer

	Evaluation of SOA based MZI Structured All optical reversible full Subtractor	Saumya Srivastava, Nikhlesh Kumar Mishra, Narendra Kumar Shukla					
5.	Design and performance analysis of 2 input Reversible XNOR logic gate"	Kamal Kishor Upadhyay, Saumya Srivastava, Nikhlesh Kumar Mishra, Narendra Kumar Shukla,	IC3E,APR-2018	1	WOS		Springer
6.	Design and performance analysis of MZI based reversible XOR logic gate	Kamal Kishor Upadhyay, Saumya Srivastava, Nikhlesh Kumar Mishra, Narendra Kumar Shukla, Vanya Arun,	RAETCS,FEB-2018.	1	Scopus		IEEE
7.	"Design Comparison and Performance evaluation of dispersion managed system with hybrid optical amplifier"	Kamal Kishor Upadhyay, Saumya Srivastava, Nikhlesh Kumar Mishra, Narendra Kumar Shukla, Vanya Arun,	ICETEESES,MAR-2016	1	Scopus		IEEE
8.	"Design and performance analysis of dispersion managed system with RZ and NRZ modulation format"	Saumya Srivastava, Kamal Kishor Upadhyay, Nar Singh,	ICCCCM-16,UCER and IEEE U.Psection.	1	Scopus		IEEE
9.	"Design of All Optical Line Selector Based on SOA for Data Communication".	Vanya Arun, Kamal Kishor Upadhyay, Narendra Kumar Shukla	ACM-15, MNNIT Allahabad	2	Scopus		IEEE
10.	"Blackhole Detection and Problem Related to wireless sensor Networks-	Kamal Kishor Upadhyay, Shanvendra Rai, Narendra Kumar Shukla	NCCS-16	1	-	-	National Conference
11.	Different Strategy for layers in open system	Kamal KishorUpadhyay, Shanvendra Rai, Narendra Kumar	NCCS-16	2	-	-	-

	interconnected model to counter denial of service attack	Shukla				

iv. Workshops /Conferences Attended

Sl No	Name of the workshop / Conference	Organizer	Date
1	Participated workshop on Photonics Principles and optical networks (PPON-2020) during	Department of Electronics and communication Engineering, IIIT-Allahabad	May 29-31,2020.
2	One week faculty development program on Recent Trends in VLSI, RF, & Wireless Communication (RTVRWC-2019), Sponsored by AKTU Lucknow, Under TEQIP III organized by.	Electronics Engineering department, Rajkiya engineering college, Sonbhadra,	July 01-05,2019
3	One day workshop on Recent Trends in Artificial Intelligence and deep learning	Department of electronics and communication, University of Allahabad,	Feb-25,2019.
4	One day workshop on Best Practice in Scientific Publishing organized by the	Department of electronics and communication, University of Allahabad	Dec-20, 2019.
5	Presented a paper in 88thAnnual Session of the Academy (NASI)	Mahatma Gandhi Chitrakoot GramodayaVishwavidalaya, Chitrakoot, M.P. ,	Dec-6-8,20018
6	One week faculty development Programme on VLSI for Signal Processing and Communication sponsored by AKTU Lucknow, Under TEQIP III organized by,	Electronics and Communication Engineering department, Shambhunath Institute of Engineering and Technology, Allahabad,	July 16-20,2016
7	Participated in One week Workshop on Antenna Design and Signal Processing Techniques for 5G- Networks and IoT (ADSPMIT- 2017) , organized by IEEE- MNNIT students branch chapters (MTT-S, ComSoc, BTS & Signal processing Society)	Department of Electronics and communication engineering, Motilal Nehru national Institute of Technology, Allahabad,	27th– 04thMar-2017.
8	Participated in IEEE seminar on Internet of Things and Its Applications,	University of Allahabad student branch chapter, Centre of Computer Education, Institute of Professional Studies,	Feb 18th–2017
9	Participated in faculty Development Programme on Integrated Circuits 'Design and Its Applications,	Department of Electronics and Communication Engineering, United	Jul 11-15,2016

		Institute of Technology and AKTU Lucknow,	
10	Participated in workshop on Electromagnetics and Antenna Design (WEAD-2016)	Department of Electronics Engineering, Indian Institute of Technology, Banaras Hindu University, Varanasi,	Apr 9-10,2016.
11	Participated in 1Week workshop on Simulation of Image, Audio and Vedio with MATLAB, Open CV and Documentation with LATEX(SIMDOC-2015)	Department of Computer Science and Engineering, MNNIT Allahabad	Dec14-18, 2015
12.	Participated in workshop on Author workshop organized by SPRINGER	University of Allahabad,	Oct 30th,2015.
13.	Participated in 2 week ISTE workshop on Signal and Systems	Indian Institute of Technology, Kharagpur,	Jan 2nd-12th,2014

v. Workshops / Conference (Organized)

l. No.	ame of the workshop / Conference	Organized by	Date	Role

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

10. Membership of Professional Bodies:

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

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