

BIODATA/CV

Dr.Chandrakant Kumar Singh
Assistant Professor, Computer science
School of science,
U.P. Rajarshi Tandon Open University Prayagraj -13
District: Prayagraj
State/Country: UP /India
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cksingh@uprtou.ac.in

Education Qualification:

Degree conferred (begin with Higher degree)

Degree	Institute/University	Fields/Subject	Year	%age
Ph.D.	U.P.Rajarshi Tandon Open University Prayagraj Research Centre: Department of Electronics and communication, University of Allahabad	"QUALITY OF SERVICE BASED ROUTING ALGORITHMS FOR HETEROGENEOUS NETWORKS"	2014	Awarded
M. Tech.	MNNIT Prayagraj	Software Engineering/Computer sc	2012	61.2
M. Sc. (Computer Science)	A.P.S.University Rewa M.P	Computer science	2003	68
M.Sc. Physics	Patna university Patna	Physics (Specialized in advanced Electronics)	2000	59.13
B.Sc. (Hons)	V.K.S University Ara	Physics ,Maths, chemistry	1998	61
GATE	Conducted by I.I.Sc Bangalore	CSE	2008	81

Research/Training Experience

Duration	Institute/University	Nature of Work Done
Since Sept. 2006 to till date	U.P. Rajarshi Tandon Open University Prayagraj	Teaching & Research

Research Specialization (Major Scientific fields of interest):

Fields	Specification Details
Computer science	Advanced network, Remote sensing, GIS, Software Engineering, AI, Machine learning

Other Extra Duties:

- Worked as a In-Charge of IGRS Cell in U.P. Rajarshi Tandon Open University, Prayagraj
- working as **member of Academic council** in U.P. Rajarshi Tandon Open University, Prayagraj
- working as **member of school board of studies** in U.P. Rajarshi Tandon Open University, Prayagraj
- Working as a Deputy Director of Centre For On line Education in U.P. Rajarshi Tandon Open University, Prayagraj
- Working as a Co- In-Charge of ICT Cell in U.P. Rajarshi Tandon Open University, Prayagraj
- Working as a Co- In-Charge of Audio video Lab in U.P. Rajarshi Tandon Open University, Prayagraj
- Working as a OSD (Confidential) of Examination cell in U.P. Rajarshi Tandon Open University Prayagraj
- Worked as a web site In-charge, of U.P. Rajarshi Tendons open university, Prayagraj from 2006 to June 2010.
- Worked as member, School Board of studies in School of Computer and Information Science.
- Worked as secretary of course curriculum committee, for BCA, MCA.M.Sc (Computer science) and others computer programmes which is presently run in the University.
- Worked as a coordinator of SLM preparation committee of BCA, MCA Programme in U.P. Rajarshi Tendons open university, Allahabad.
- Worked as a ICT Technical core committee member in U.P. Rajarshi Tendons open university, Allahabad
- Worked as a DEC core committee member(2006 to 2010) in U.P. Rajarshi Tendons open university, Allahabad
- Worked as a core committee member in entrance test Examination

(B.ed,MBA,MCA) in U.P. Rajarshi Tendons open university, Allahabad.

- Worked as a observer in entrance test Examination (B.ed,MBA,MCA) in U.P. Rajarshi Tendons open university, Allahabad.
- Worked as Examiner in entrance test Examination (MBA,MCA) in U.P. Rajarshi Tendons open university, Allahabad.
- Worked as Examiner (MCA M.Sc computer Sc, BCA and other computer programme) in U.P. Rajarshi Tendons open university, Allahabad
- Worked as Examiner (MCA M.Sc computer Sc, BCA and other computer programme) in U.P. Rajarshi Tendons open university, Allahabad
- Worked as Evaluation in charge in Prayagraj and Varanasi Region, U.P. Rajarshi Tendons open university, Allahabad

Thesis Supervision:

student	Degree	Title	Year/Status	Awarded by
Arvind Shukla	Ph.D	A NOVEL FRAMEWORK FOR PREVENTION AND DETECTION OF MEDICAL ISSUES USING DATA MINING APPROACHES: EARLY STAGE	2024 /Awarded	Nehru Gram Bharti university(To be Deemed University) ,Prayagraj
Prshant kumar Sriwastava	Ph.D	Design & Development of Urban Spatial Growth Prediction Model using Temporal and Multispectral Satellite Data	From 2021 /pursing	U.P.Rajarshi Tandon open University Prayagraj

Publication/patent:-

S.No.	Publication type	Year	Title	Publisher	ISBN/ISSN No
1	Research paper in IEEE Conference	12 May 2025	Decadal Urban Growth Analysis of Prayagraj City During 2015-2024 Using Landsat-8 Multispectral Data	IEEE https://ieeexplore.ieee.org/document/10983762 DOI: 10.1109/UPCON62832.2024.10983762	2687-7767
2	Research paper in IEEE Conference	04 March 2025	A Brief Review of Driving Factors affecting Urban Growth in Prayagraj using Landsat-8/9 Data	IEEE https://ieeexplore.ieee.org/xpl/conhome/10899100/proceeding?isnumber=10899433&sortType=vol-only-seq DOI: 10.1109/CICT64037.2024.10899643	Electronic ISBN:979-8-3315-3153-9 Print on Demand(PoD) ISBN:979-8-3315-3154-6
3	Research paper in international Conference on Computation of Artificial Intelligence & Machine Learning	25 September 2024	Identification of Splice Image Forgeries with Enhanced DenseNet201 and VGG19	Springer, Cham ,pp 113-123 https://link.springer.com/chapter/10.1007/978-3-031-71481-8_9 Computation of Artificial Intelligence and Machine Learning. ICCAIML 2024. Communications in Computer and Information Science, vol 2184. Springer, Cham. https://doi.org/10.1007/978-3-031-71481-8_9	Online ISBN 978-3-031-71481-8 Print ISBN 978-3-031-71480-1
4	Research Paper	December 17, 2024	DETECTION OF DIABETES USING	Journal of Advanced Research in Artificial Intelligence & It's	e-ISSN: 3048-6440

			FEATURE BASED MACHINE LEARNING TECHNIQUES	Applications Volume 2 Issue 1 https://doi.org/10.5281/zenodo.14505444	
5	Research Paper	2024	ANALYSIS ON RECENT TOOLS AND TECHNIQUES FOR IMAGE FORGERY DETECTION	Advanced Research in Electrical and Electronic Engineering Volume 11, Issue 1; January-March, 2024, https://krishisanskriti.org/volume/08May202411052805%20%20Full_Satyendra%20Singh%20%202012-20.pdf	p-ISSN: 2349-5804; e-ISSN: 2349-5812,
6	Research Paper	2023	Analysis of Disease Prediction Using Data Mining Techniques	International Journal of Science and Engineering Peer Reviewed and Refereed Journal July-December 2023, Volume 2, No. 2 https://ijse.aacsjournals.com/paper/1514	ISSN-2249-0094(Print), pp. 85-90
7	Book chapter	2023	A Fusion of Independent component Analysis and Convolution Neural Network	Book Name : Innovative Insight, Published by:Notion press, India,Singapore,Malaysia Edited by: Dr.R.K.Saran,Dr.Keshvamurthy and Vinay Raikwar https://notionpress.com/read/innovative-insights-interdisciplinary-research-breakthroughs?srsltid=AfmBOortgh0qr5OUHFWW1bypDz5Ys2HZpSCLieN0pKxQ5RbB5PPHliRH	979-889186101-5
8	Research	2022	A STUDY ON THE	IJFNS (UGC Care Listed) 2022; Volume 11 , Issue -	2319 -1775

	Paper		FRACTIONAL CALCULUS AND GENERALIZED INTEGRAL TRANSFORMATION	12 : Page: 2895-2906 https://www.ijfans.org/uploads/paper/10e2fbe2c2c25f51bd459f9e5ce0799a.pdf	
9	Research Paper	2022	Fractional calculus and special function	Zeichen Journal (UGC Care Listed) https://ezeichen.com/volume-8-issue-02-2022/	0932-4747
10	Research Paper	Oct-2021	A Seamless Handover Management for VANETs Across Heterogeneous Networks	IJCSE(UGC Care Listed) https://ijcseonline.org/index.php/j/article/view/6352/6341	2347-2693
11	Research Paper	2013	Network Mobility Approach in Heterogeneous Networks	IJEMS http://www.scienceandnature.org/IJEMS_Vol4(3)2013.php	2229-6425
11	Research Paper	2013	Performance for Realistic Mobility model and Routing protocols for VANETs	JIGYASA	09747648

Reviewer:

- ✓ IEEE INGARSS 2024 in NIT GOA .

Members of Editorial Bord:

- ✓ Integral Research journal
- ✓ <https://integralresearch.in/index.php/1/222>

PATENTS:

Sr .No	Patent Application no	Status of patents	Inventers Name	Title	Date of filing
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1	202211055169 https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus	published	Dr Rghvendra Singh Dr.Rajendra kumar Tripathi Dr.R.N.Pathak Dr.Chandrakant Kumar Singh	A SYSTEM AND METHOD FOR HIGH SPEED NEURON IMPLEMENTATION USING VEDIC MATHEMATICS	26/09/2022
2	202341025395 https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus		Dr. Veeraprathap V, Mr. Mahak Narang, Dr. Chandrakant Kumar Singh , Ms. M. Divya, Mrs. A. Merlin, Mr. Alok Raj, Dr. Rajesh Kumar Patnaik, Dr. Ankit Gambhir, Dr. Nalla Srinivas, Dr. Nidhi Hemang Desai, Mr. Mohit Srivastava, Mr. Kartick Chauhaan	IOT Based Electric Fencing Monitoring System in Agricultural farm	4/4/2023
3	436260-001 https://search.i	Published	Dr.Rajesh kumar	ERGONOMIC ANTI-SLIP LAPTOP PAD	Jan 2024

	pindia.gov.in/DesignQRStatus/PDF_View.aspx?AppNo=NDM1MjUwLTAwMQ==&CNo=MTg5NTk1		<p>Dr Shudhakar singh</p> <p>Dr.Pravin Kumar</p> <p>Dr.Chandrakant Kumar Singh</p> <p>Dr.Sudhanshu kumar Jha</p>		
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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in>)

Application Details	
APPLICATION NUMBER	202211055169
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/09/2022
APPLICANT NAME	1 . Dr. Raghvendra Singh 2 . Dr Rajendra Kumar Tripathi 3 . Dr. F.N. Pathak 4 . Dr. Chandrakant Kumar Singh
TITLE OF INVENTION	A SYSTEM AND METHOD FOR HIGH-SPEED NEURON IMPL USING VEDIC MATHEMATICS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	mail@ideas2ipr.com
ADDITIONAL-EMAIL (As Per Record)	mail@ideas2ipr.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/10/2022



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India



Application Details	
APPLICATION NUMBER	202341025395
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/04/2023
APPLICANT NAME	1 . Dr. Veerprathap V 2 . Mr. Mahak Narang 3 . Dr. Chandrakant Kumar Singh 4 . Ms. M. Divya, M.E 5 . Mrs. A. Merlin, M.E 6 . Mr. Alok Raj 7 . Dr. Rajesh Kumar Patnaik 8 . Dr. Ankit Gambhir 9 . Dr. Nalla Srinivas 10 . Dr. Nidhi Hemang Desai 11 . Mr. Mohit Srivastava 12 . Mr. Kartick Chauhaan
TITLE OF INVENTION	IOT BASED ELECTRIC FENCING MONITORING SYSTEM IN AGRICULTURAL FARM
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	arinnapatent1@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	

पेटेंट कार्यालय, भारत सरकार | **The Patent Office, Government Of India**

डिजाइन के पंजीकरण का प्रमाण पत्र | **Certificate of Registration of Design**

क्रम सं./ Serial No. : 189592

डिजाइन सं. / Design No. : 435250-001

तारीख / Date : 22/10/2024

पारस्परिकता तारीख / Reciprocity Date* : 05/07/2023

देश / Country : भारत

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **ERGONOMIC ANTI-SLIP LAPTOP PAD** संदर्भित है, का पंजीकरण, श्रेणी 14-06 में 1. Dr. Rajesh Kumar 2. Dr. Sudhakar Singh 3. Dr. Pravin Kumar 4. Dr. Chandrakant Kumar Singh 5. Dr. Sudhanshu Kumar Jha के नाम से उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-06 in respect of the application of such design to **ERGONOMIC ANTI-SLIP LAPTOP PAD** in the name of 1. Dr. Rajesh Kumar 2. Dr. Sudhakar Singh 3. Dr. Pravin Kumar 4. Dr. Chandrakant Kumar Singh 5. Dr. Sudhanshu Kumar Jha.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 09/01/2025
Date of Issue

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Mark

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतंत्राधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

Design Application Details

Application Number: 435250-001
CBR Number: 219528
CBR Date: 22/10/2024 18:12:27
Applicant Name:

1. Dr. Rajesh Kumar
2. Dr. Sudhakar Singh
3. Dr. Pravin Kumar
4. Dr. Chandrakant Kumar Singh
5. Dr. Sudhanshu Kumar Jha

Design Application Status

Application Status: Design Accepted and Published, Journal No is 02/2025 and Journal Date is 10/01/2025

[Back](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:
 Design Office, Kolkata - controllerdesign[dot]ipo[at]nic[dot]in
 Controller General of Patents, Designs and Trademarks

Invited Talk:

1. Delivered an invited lecture as resource person entitled on “Internet Browsing, Chat GPT ,Email management Wi-Fi and Internet policies” on 19th january2024 in PG Orientation program at State Unani Medical College and Hospital Prayagraj .
2. Delivered a Invited talk as resource person entitled on “AI tools for research” in international workshop on Recent Advances in Research Techniques: Vikshit Bharat @2047 held during 19th -23rd August 2025. This workshop Organized by School of Science ,U.P. Rajarshi Tandon open university ,Prayagraj
3. Delivered a invited talk as resource person entitled on “AI tools for modern research Era” in national conference on “National Education Policy: Growth of Agriculture science and Technology “ held during 11th -12th September2025.This conference Organized byFaculty of Science ,SHUATS ,Prayagraj
4. Delivered a invited talk as resource person entitled on “Importance of AI Tools and Data science” dated on 4th October 25 in International workshop on “Research Methodology Tools and Technology(RMTT 2025)“ held during 4th -8th October 2025.This workshop Organized by Department of Mathematics ,SHRI KHUSHAL DAS UNIVERSITY(SKDU) HANUMANGARH RAJASTHAN, India

5. Delivered a invited talk as resource person entitled on “Selecting and constructing Data collection Instruments” dated on 7th October 25 in International workshop on “Research Methodology Tools and Technology(RMTT 2025)“ held during 4th -8th October 2025.This workshop Organized by Department of Mathematics ,SHRI KHUSHAL DAS UNIVERSITY(SKDU) HANUMANGARH RAJASTHAN, India
6. Delivered a invited talk entitled on “Recent trends of kernels trick in machine learning” in DST sponsored national conference on “Exploring the role of mathematics in computer science, Machine learning and data science “ held during 25th -27th October 2025.This conference jointly Organized by Department of mathematics, TDPG College Jaunpur (UP) ,India and Ramanujan Society of mathematics and mathematical science
7. Delivered a invited talk as Guest speaker entitled on “AI Tools for sustainable development” in International conference on “Tourism, sustainable development Artificial Intelligence and future perspective“ held during 17th -18th November 2025.This International conference Organized by SHRI Government Commerce College Sikar Rajasthan, India
8. Delivered a invited talk entitled on “Importance of Kernel Trick in Machine learning and AI” in 5th International conference on “Mathematical Modeling,computational intelligence Techniques Renewable energy(MMCITRE-2025)“ held during 10th -12th December 2025.This International conference Organized byIIIT Naya Raipur, India

Book/SLM: 14 Unit for MCA Programme on UNIX and shell programming and published by University

Previously I have completed 16 unit for diploma program and published by university

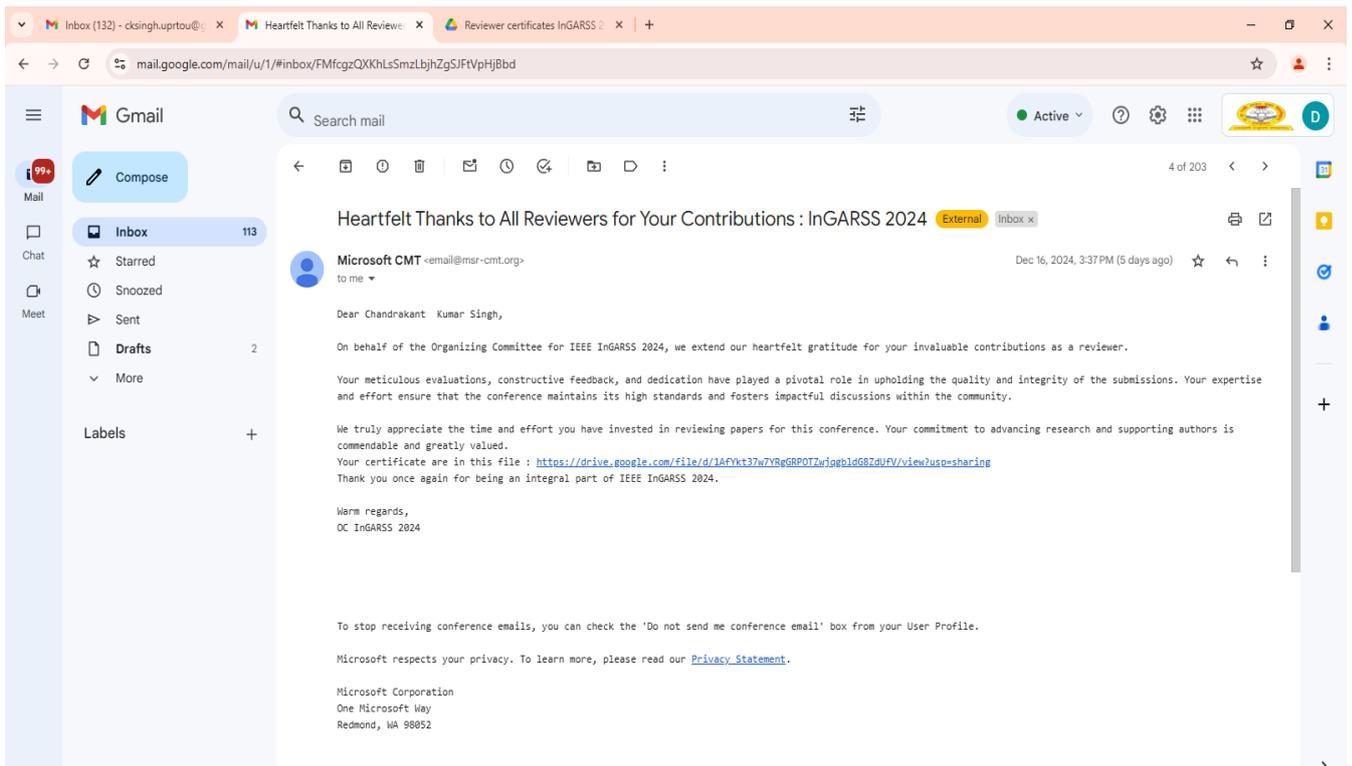
Project: One Minor project is going Founded by Council of Higher Education UP

Workshop / Seminar:

1. Successfully completed three days workshop sponsored by CEMCA New Delhi on “**Blended Learning**” in KKH State Open University Guwahati, Assam from 25/09/24 to 27/09/2024.

2. Successfully completed five days FDP on “Empower your Teaching journey with our 5 days OER and Moodle Training” in Amity University Gurugram Haryana from 20/11/23 to 24/11/2023 and supported by CEMCA New Delhi
3. Successfully completed the NGP-DST summer school Geospatial Technology conducted from 23rd May to 12th May 2022 by IIIT Allahabad Prayagraj and supported by NGP-DST Government of India and secured with A grade
4. Participated in Refresher course on Data science and its future Application held during 10th -23rd December 2021 and obtained A+ grade. This course conducted by Dr.Harisingh Gour University Sagar M.P and supported by UGC
5. Participated in Orientation programme held during 23rd October -22th November 2021 and obtained A grade. This course conducted by Ishwatsarn PG college University of Allahabad and supported by UGC
6. Participated in 5-Days Workshop on “Effective Image processing Machine Learning Tools for contemporary Applications” held during 3rd -07th June 2019 . This course organized by Department of IT, IIIT ,Allahabad and supported by IEEE computational Intelligence Society UP
7. Participated in one -week workshop in (“Information security : Research issue and challenges “WISRIC”) sponsored by ISEA Phase II, organized by Department of Computer Science and Engineering, MNNIT Allahabad ,UP, India during March 17-21 2016
8. Participated in National workshop on “Advances in Wireless and optical Networks (“AWON-2014”) sponsored by TEQIP II, organized by Department of Electronics and communication Engineering, MNNIT Allahabad ,UP, India during June 02-07 2014
9. Attended and actively participated in International Workshop on “Antenna & RF Design for Low power Application” sponsored by Department of Electronics and Information Technology(Deity) Ministry of Communication and Information Technology(MCIT) Govt of India New Delhi and organized by Indian Institute of Information Technology ,Allahabad during November 3- 4 ,2012.
10. Actively participated in Two days national Workshop on “Timing Analysis Of Digital VLSI circuits” sponsored by IEEE UP Section , organized by Indian Institute of Information Technology ,Allahabad during September 27- 30 ,2012
11. Participated in National conference on Frontier of Research and

- Development in computational Science(FRDCS-2012) sponsored by UGC, organized by Department of Computer Science and Application, Mahatma Gandhi Kashi Vidhyapith Varanasi ,UP, India and presented a paper of title “Network Model for E-Education” during March 12.25-26,2012
- 13.Attended and actively participated in Short term course on “Society and web” sponsored by AICTE at IIT Guwahati, organized by Department of computer Science and Engineering during september19- 23 ,2011.
 - 14.Participated in the National seminar on Green energy and ICT:Solar Energy Empowerment of Rural India” organized during Auguste 20-21,2011 at Rajiv Gandhi institute of information Technology ,Amethi(A campus of IIT,Allahabad) and presented a paper on “ ICT to Reduce energy consumption and GHG Emission”
 - 15.Attended Summer School on "e-Healthcare" supported by Department of IT and Ministry of Communication and IT, Government of India, New Delhi, held at Indian Institute of Information Technology, Allahabad. (July 2009).
 - 16.Attended Shop-Seminar on "e-Education" supported by DIT, MCIT, G.O.I. held at Indian Institute of Information Technology, Allahabad (March 2010).
 - 17.Attended Brain storming session on aware creation on "Knowledge Management Economic through ODL" organized by school of Management studies, UP Rajarshi Tandon Open University and Department of Management studies, IIT Roorkee held at Hotel Milane palace.
 - 18.Attended workshop on "Research Methodology in Social Science" organized by UPRTOU, Allahabad (MAY 2009).
 - 19.Attended the staff development programme on “Curriculum Enhancement in Design of Embedded System and its Application”, Sponsored by AICTE/MHRD Government of India,New Delhi ,Organized by MNNIT Allahabad held from June 16-27,2008.





8th IEEE Conference on Information Communication Technology

CERTIFICATE OF PRESENTATION

This is to certify that

Prashant Srivastava (IIIT Allahabad), Triloki Pant (IIIT Allahabad), Chandrakant Singh (UPRTOU Prayagraj)

has presented a paper entitled

A Brief Review of Driving Factors affecting Urban Growth in Prayagraj using Landsat-8/9 Data

at the 8th IEEE Conference on Information Communication Technology held at Indian Institute of Information Technology Allahabad, Prayagraj, India, during December 6 - 8, 2024.

A handwritten signature in blue ink, appearing to read 'U.S. Tiwary', written over a horizontal line.

Prof. U.S. Tiwary, Dr. Vijay K. Chaurasiya
IEEE CICT 2024 General Chairs