



Name :Pankaj Shankar Shrivastava

Centre/School/ Special Centre : SOS , (E&T)

Department : Electronics & Communication Engineering

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Personal Webpage link:

Qualifications: Ph.D (Electronics & Telecommunication Engineering),
 M.E , ECE (B.I.T ,Mesra , Ranchi),
 B.E, ECE (B.I.T , Mesra , Ranchi).

Area of Interest/ Specialization:

 Microwave Communication, Wireless Communication,
 D2D Communication , mm- wave communication.

Experience : 21 Years - As Assistant Professor (ECE) on 22/2/23

Awards and Honors: -

Research Projects: NIL

International Collabrations/ Consultancy : NIL

List of Publications (All):

Journals :

1. Pankaj Shankar Shrivastava, Ashutosh Pande, "Some Analysis on Underlay Channel Capacity of Relay Assisted D2D System in Cellular Networks for 5G", Industrial Engineering Journal ,ISSN: 0970-2555 Volume: 52, Issue 1, No. 1, January 2023

(Ugc Care group-1)

2. P.S.SRIVASTAVA, Utsav Kumar Malviya, Mekram Meshram, Uma Shankar Dewangan, "Efficiency of Ultra Dense Multi-tier Future Cellular Networks for 5G : A Survey " Wireless Personal Communications (Springer),

<https://doi.org/10.1007/s11277-021-09049-z>, Nov. 2021.

(Sci Journal)

3. P.S.SRIVASTAVA, Utsav Kumar Malviya, Om Prakash Verma, "Some Analysis on SINR of Ultra- Dense Multi-tier Future Cellular Networks for 5G " Journal of Maharaja Sayajirao University of Baroda,ISSN 0025-0422, Vol. 55, No 4, 2021

(Ugc care)

4.P.S.SRIVASTAVA,U.K Agrawal., March 2016 , " Analysis of Densification Gain for 5G Mobile Technology ", IJARCET , vol. – V , (issue no.- 03), pp 769- 771.

5. P.S.SRIVASTAVA, U. K . Agrawal., Jan. 2016 , " Some Investigations on 5G Mobile Technology ", IJAIR , vol. – V , (issue no.- 01), pp 186 – 188.

6. P.S.SRIVASTAVA, M.R.MESHRAM, " Bandwidth Enhancement of Cellular Broadband Communication" IUP (The ICFAI University Press) Journal of Telecommunication, vol. – iv , May 2012

7. P.S.SRIVASTAVA, M.R.MESHRAM., Nov. 2011 , " Multi – Code CDMA for Broadband Cellular Communication Network : A Review" IUP, Journal of Telecommunication, vol. – iii , (No.- 04) , pp 55 -65.

8. P.S.SRIVASTAVA, M.R.MESHRAM., May 2011 , " Optimization of Channel Capacity of Multi Rate Multi Code CDMA for Broad –band packet wireless access " IUP Journal of Telecommunication, vol. – iii , (No.- 02) , pp 07- 14 .

Conference Proceedings:

1. Published a paper titled 'Optimization of Cellular Capacity by Power Control 'in National Conference held on 6th Feb. ,2010 at St. Ann's school of Engineering & Technology, Chirala , Prakasam- (A.P).

Papers presented in Conference/ Seminar / Symposia etc. and related activities:

1. Participated and Presented a paper titled 'Some Analyses on Underlay Channel Capacity of Relay Assisted D2D System in Cellular Networks for 5G " in the 3rd Online /offline Mega International conference on " Continuity ,Consistency and Innovation in Applied Science and Humanities" (ICCIASH- 2022) held on Sept. 16-17,2022 Organized by St. Martin's Engineering College , T.S, India.

2. Participated and Presented a paper titled ‘Mini Interconnect IC Protocol and Command Set Controller for Camera Communication in Mobile Phones ‘ in international online conference on Advances in Electrical Computer Technologies 2021 (ICAECT-2021) held on Oct.29-30,2021 Organized by PSR Engineering College, Sivakasi, Tamil Nadu , India.
3. Participated and Presented a paper titled ‘Some Analysis on Spectral Efficiency of Ultra- Dense Multi-Tier Future Cellular Networks for 5G ‘ in international online conference on IOT Based Control Networks and Intelligent Systems (ICICNIS-2020) held on December 10-11,2020 Organized by St. Joseph’s College of Engineering and Technology, Kottayam, India.
4. Participated and Presented a paper titled “ Ultra -Dense Multi-Tier Cellular Network for 5G: A Review “ in international conference on Innovative Research in Science, Management and Technology (ICIRSMT-2020).
5. Participated and Presented a paper titled ‘Multiple Access Methods in Mobile Communication: A Review ‘ in an international conference on Innovative Research in Science, Management and Technology (ICIRSMT-2018) .
6. Participated and Presented a paper titled ‘Energy Consumption Reduction in Mobile system: A step towards Green computing ‘ in an international conference on Mathematical Sciences and Applications (ICMSA-2018).
7. Participated and Presented a paper titled ‘Bandwidth Enhancement of wireless Broadband Communication system’ in a national conference on Recent Advancements in Signal processing and communication (NCRASPC-2015) in R.M.K College of Engineering & Technology, Chennai.
8. Participated and Presented a paper titled ‘Multi- Rate Multi –Code CDMA for Broadband Cellular Communication ‘in International conference on Electrical , Electronics and Data Communication held at Pune in 2015 .
9. Participated in National conference and published a paper titled “Analysis of Capacity of CDMA system & different Multiple Access Techniques. “ held on Oct. 18-19, 2008 at B.I.T Mesra ,Ranchi.
10. Participated in National conference and published a paper titled ‘Optimization of Cellular Capacity by Power Control ‘ held on 6th Feb. ,2010 at St. Ann’s school of Engineering & Technology, Chirala , Prakasam- (A.P)*.
11. Joint organizer of National Seminar on “Technology for Sustainable Development-Perspective &Strategies” held at Institute of Technology, G.G.University, Bilaspur (C.G) in January 6-7,2007.

12. Presented a paper titled” CDMA is Most Sustainable Multiple Access Technique “in National Seminar held at Institute of Technology, G.G.University, Bilaspur (C.G) in January 6-7,2007.

Recent Books / Books Chapter/ Monographs etc:

1. Name of the Book Chapter: “Mini Interconnect IC Protocol and Command Set Controller for Camera Communication in Mobile Phones”.
Authors: Utsav Kumar Malviya, Gopal Kumar , Champalal Lalani , Sampad Barik and P.S.Shrivastava.
Name of the Book: Advances in Electrical and Computer Technologies
(Lecture Notes in Electrical Engineering , vol- 881) ,Springer
Edited by :Thangaprakash Sengodan, M.Murugappan, Sanjay Mishra , 2021
2. Name of the Book Chapter:Evolution of Green Communication System
Authors :**Pankaj Shankar Shrivastava and Utsav Kumar Malviya.**
Publishers:Nova Science Publishers , USA.
Name of the Book :Green Computing and its Applications
Edited by Sanjay Kumar, Rohit Raja , Alok Kumar Singh Khushwaha , Saurabh Kumar and Raj Kumar Patra. , 2021

Research Supervision: Act as PhD supervisor for two Scholars.

Administrative Responsibilities: ---

Additional information:

1. HOD,Electronics & Communication Engineering (ECE):
 - a. From Dec. 2005 to Nov. 2009.
 - b. From Aug. 2014 to Feb. 2017.
2. Acted as Member , School Board for SoS (E & T)
3. Acted as Member , DRC , Electronics & Communication Engineering
4. Acted as Chairman , Board of Studies, ECE
5. Acted as Member , Board of Studies, ECE
6. Acted as Chairman , Examination Committee, ECE
7. Acted as Member , Examination Committee, ECE
8. Acted as Chief Counting Officer in Students Council Election.
9. Acted as Presiding Officer in Students Council Election.
10. Participated as member of Local selection committee ,ECE in Walk-in-Interview for Ad-hoc Faculty.
11. Acted as Member of selection committee for Teaching Assistants for .ECE
12. Acted as Member, Anti-ragging committee for Institute of Technology
13. Acted as Member , Disciplinary Committee for Institute of Technology
14. Acted as Co-ordinator, Departmental Library for Institute of Technology.
15. Acted as Co-ordinator B.Tech 1st year for sessions 2018-19 &2019-20.
16. Acted as Member of Departmental Purchase Committee.
17. Acted as Member of Admission Committee (I.T).
18. Acted as Coordinator ,B.Tech ,ECE for Remedial classes and preparation of Gate examination.

19. Acted as University representative in Non- government college.