Dr Sanjeev Kumar

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Lifetime Member of ISTE, Member of IEEE, Member of IEEE Consumer Technology Society
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PG Students Guided: 30
UG Students Guided: 35

Publications

[1] Shray Pathak, Shreya Sharma, Abhishek Banerjee, Sanjeev Kumar "A methodology to assess and evaluate sites with high potential for stormwater harvesting in Dehradun, India" Big Data Research, 2023 https://doi.org/10.1016/j.bdr.2023.100415 (**Impact Factor 3.3**)

[2] Shreya Sharma, Shray Pathak, Sanjeev Kumar "A planning-support tool for spatial suitability assessment of harvesting sites for storm water infrastructure" Journal of Hazardous, Toxic, and Radioactive Waste Mgmt, November 2023. DOI: 10.1061/JHTRBP.HZENG-1249 **(Impact Factor 2.7)**

[3] Sushmita Bhushan, Sanjeev Kumar, Neeta Singh, Sachin Kumar "Defected Ground Split Ring Resonator-Based Sensor for Adulteration Detection in Fluids" Wireless Personal Communications, July 2021 DOI:10.1007/s11277-021-08686-8 **(Impact Factor 2.2)**

[4] R. Karthika, V. Elizabeth Jesi, Mary Subaja Christo, L. Jegatha Deborah, Audithan Sivaraman, Sanjeev Kumar4 "Intelligent personalised learning system based on emotions in e-learning" Personal and Ubiquitous Computing, September, 2023 https://doi.org/10.1007/s00779-023-01764-7

[5] Sushmita Bhushan, Sanjeev Kumar "Detection of Water Quality using Defected Ground Double Split Ring Resonator" IJRTE, ISSN: 2277-3878, Volume-8 Issue-4, November 2019

[6] Sumedha Sagar, Sanjeev Kumar, Vandana Gupta "NGPON2: A High Performance Passive Optical Network Technology" IEEE International conference, INDIACOM-2018

[7] Prateek Anand, Sanjeev Kumar, Sneha Arora, Vipin Kumar Sharma "Optimizing Noise and Power of Low Pass Filter using Ring Oscillator" International Conference on Advance Computational Techniques in Information and Communication Technology(ICACTICT-16).

[8] Harsh kumar Singh, R. S. Raw, Sanjeev Kumar, Arvind Kumar Singh, S. K.

Soni "Analysis of Angle Based Opportunistic Routing Protocol for Vehicular Ad-Hoc Networks" ACM International conference ICTCS-2016

[9] Nitin Garg, Sanjeev Kumar "Design of Free Space Optical CommunicationLink with Mach-Zehnder Optical Modulator for Long Distance" IEEE International conference 4th ICCCNT – 2013 July 4-6, 2013, India

Book Chapters:

[1] Sanjeev Kumar, Jyotsna Sharma, Arvind Kumar, "Energy Harvesting for Wireless Sensor Nodes using Rectenna" in Book Title "Cloud-Based Big Data Analytics in Vehicular Ad-Hoc Networks", by IGI Global Publisher (2021). DOI: 10.4018/978-1-7998-2764-1.ch010.

[2] Sushmita Bhushan, Sanjeev Kumar "Bio medical sensors using Split ring Resonator" in Book Title "Bioelectronics and Medical Devices Applications and Technology" By Apple Academic Press (2021), **Hard ISBN:** 9781771889230 **E-Book ISBN:** 9781003054405.

FDP/Training Attended

(1) One week FDP entitled "THz Communication & Image Processing" conducted at AIACT&R, Delhi-31, from 30/01/2018 to 3/02/2018.

(2) One week FDP entitled "Cyber Security Applications in Smart Grid" organized by DTU, Delhi from 12/03/2018 to 16/03/2018

(3) One week FDP on "Curriculum Development" organized by NITTTR, Chandigarh at AIACTR, Delhi from 02/12/2019 to 06/12/2019.

(4) One week FDP on "5 day online FDP on DEEKSHARAMBH(Student Induction Program)" organized by NIT Patna from 10/08/2020 to 14/08/2020

(5) Two weeks online industrial training on Cyber Security & Networking organized by ALTTC, Ghaziabad from 10/03/2021 to 24/3/2021

(6) One week FDP on "Decision Making Using Data Analysis" organized by JIMS, Rohini, Delhi from 25/06/2021 to 30/06/2021.

(7) One week FDP entitled "Signal Processing & Computational Intelligence-2018" organized by DCRUST, Murthal (Sonepat) from 17/09/2018 to 21/09/2018

(8) One week FDP entitled "Rashtriya Manyata Board se Takniki Shiksha Mein

Gunvatta per Alp Avdhiya Prashikshan Karykram" organized by AIACTR, Delhi from 11/06/2018 to 15/06/2018

(9) One week FDP entitled "Emerging Trends in Computer and Electronics Communication" organized by AIACT&R, Delhi-31, from 06/03/2017 to 10/03/2017.

(10) One week FDP entitled "Mobile Computing & Communications" organized by AIACT&R, Delhi and NIT, Delhi, from 03/07/2017 to 07/07/2017.

Workshops

1. Two days workshop on "Rashtriya Mulyankan evam Pratyapan Prashid se Takniki Shiksha Mein Gunvatta per Do Divsiya Sangoshthi" organized by AIACTR, Delhi from 18/07/2018 to 19/07/2018

FDP/Workshops/Training Organized

1. Worked as CO-Coordinator in one week FDP entitled "Mobile Computing & Communications" organized by AIACT&R, Delhi and NIT, Delhi, from 03/07/2017 to 07/07/2017.

2. Worked as CO-Coordinator in one week FDP entitled "Emerging Trends in Computer and Electronics Communication" organized by AIACT&R, Delhi, from 06/03/2017 to 10/03/2017.

International Conferences Attended/Special Session

1. Organized a special session on "Research Trends on Vehicular Mobile Ad-hoc and Sensor Networks" in 11th INDIACom, 1st- 3rd March, 2017, 4th IEEE International Conference on "Computing for Sustainable Global Development" organized by BVICAM, New Delhi.

2. Organized a special session on "Upcoming Utility Based Trends in Optical & Wireless Communication" in 11th INDIACom, 1st- 3rd March, 2017, 4th IEEE International Conference on "Computing for Sustainable Global Development" organized by BVICAM, New Delhi.

3. Organized a special session on "Latest Trends in Signal Processing and Broadband Communication Technologies" in 12th INDIACom, 14th -16th

March, 2018, 5th IEEE International Conference on "Computing for Sustainable Global Development" organized by BVICAM, New Delhi.

4. Organized a special session on "Big Data and IOT Based Data Analytics" in 13th INDIACom, 13th-15th March, 2019, 6th IEEE International Conference on "Computing for Sustainable Global Development" organized by BVICAM, New Delhi.

5. Organized a special session on "Recent Trends in Information Security, Big Data, Image Processing & Information Technology" in 13th INDIACom, 13th-15th March, 2019, 6th IEEE International Conference on "Computing for Sustainable Global Development" organized by BVICAM, New Delhi.

6. Organized a special session on "Recent Trends in Information Security, Big Data, Semantic Analysis & Data Mining" in 14th INDIACom, 12th-14th March, 2020, 7th IEEE International Conference on "Computing for Sustainable Global Development" organized by BVICAM, New Delhi.