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### **Dr. Preeti Sethi**

B.Tech.(CE), M.Tech. (CE), Ph.D.(CE)

Associate Professor

Department of Computer Engineering

J. C. Bose University of Science and Technology, YMCA

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INDIA

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## **PERSONAL DETAILS**

Name	:	Dr. Preeti Sethi
Date of Birth	:	9 <sup>th</sup> March 1979
Permanent Address	:	H:no 1548 Sector 16 Faridabad
Phone Number	:	9810374948
e-Mail	:	preetisethi@jcboseust.ac.in

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## **PROFESSIONAL QUALIFICATIONS**

- i) **Ph.D.** in Computer Engineering from J.C. Bose University of Science & Technology, YMCA, Faridabad (2017).
- ii) **M.E.** in Computer Engineering from Maharishi Dayanand University, Rohtak (2007).
- iii) **B.E.** in Computer Engineering from Maharishi Dayanand University, Rohtak (2001).
- iv) PGDBA (HR) from Symbiosis Centre for Distance Learning (2005)

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## **EXPERIENCE**

**22 Years** of Teaching & Research experience in the field of Distributed Systems, Data Mining, Opportunistic Networks, Wireless Sensor Networks etc.

- i) Presently working as Associate Professor (from 05.06.2023) in the Department of Computer Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad.
- ii) Worked as Lecturer from 15.07.2003 to 05.09.2008 in Career Institute of Technology & Management, Faridabad.

iii) Worked as Guest faculty from 10.01.2002 to 10.07.2003 in Government Polytechnic for Women, Faridabad

## THRUST AREAS

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- Opportunistic Networks
- Wireless Sensor Networks
- Machine Learning

## STUDENTS GUIDED

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i)	<b>M. Tech.</b>	:	24 (Completed)
ii)	<b>Ph.D. (Computer Engineering)</b>	:	1 (Completed), 3 (In progress)

## PUBLICATIONS:

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<b>Total Number of Publications</b>		<b>:</b>	<b>39</b>
a)	Research Papers in International Journals	:	21
b)	Research Papers in National Journals	:	--
c)	Research papers in International conferences	:	13
d)	Research papers in National conferences	:	5

## PATENTS AND GRANTS

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1. Granted an International Patent (August 2020)- Patent No. 2020101941
2. Published a Patent at IPO (March 2020) -Application No. 201911049338.

## LIST OF PUBLICATIONS

- [1] Puneet Garg, Ashutosh dixit, Preeti Sethi, “ Wireless Sensor Networks : an Insight Review ” International Journal of Advanced Science & Technology, Vol 28, No. 15 (2019) pp 612-627. ISSN :2005-4238 [SCOPUS INDEXED]
- [2] Puneet Garg , Ashutosh Dixit ,Preeti Sethi, Pla'cidoRogerio Pinheiro , “Impact of Node Density on the QoS Parameters of Routing Protocols in Opportunistic Networks for Smart Spaces”, Mobile Information Systems Volume 2020, Article ID 8868842, 18 pages <https://doi.org/10.1155/2020/8868842> [SCIE INDEXED]
- [3] Puneet Garg , Ashutosh Dixit ,Preeti Sethi , “ML –Fresh : Novel Routing Protocol in Opportunistic Networks using Machine Learning” Computer Systems Science & Engineering , 2021, ISSN 0267-6192 (SCIE)
- [4] Ashutosh Dixit ,Preeti Sethi, Puneet Garg , “Rakshak: A Child Identification Software for Recognizing Missing Children Using Machine Learning-Based Speech Clarification” International Journal of Knowledge Based Organisation (IJKBO), 2022, ISSN-21556407

## **BOOK CHAPTERS**

1. Nanwal, Jyoti; Garg, Puneet; Sethi, Preeti; Dixit, Ashutosh, “Green IoT and Big Data: Succeeding towards Building Smart Cities “ in Green IoT and Big Data: Succeeding towards Building Smart Cities published by CRC PRESS, 2021
2. Sethi, Preeti , “Swarm intelligence for clustering in wireless sensor networks” in Swarm Intelligence Optimization: Algorithms and Applications published by John Wiley & Sons, Inc., December 2020.

## **PROJECTS**

1. **AICTE funded Research Project** titled “*Child Identification Software for Recognizing missing Children Using Machine Learning Based Speech Clarification Technique*” project granted under Research Promotion scheme (RPS) during the financial year 2020-21.