Government Autonomous College, Rourkela

Faculty Profile

Name	DR. PRABHDUTTA MOHANTY
Designation	Lecturer
Department	Computer Science
Address (Office)	Govt. Auto. College, Rourkela
Address (Residence)	Rourkela
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Qualifications

Degree	Institution	Year	Subject Details
BSc	Sambalpur University	1999	PCM
MSc	IASE University	2007	Comp. Sc.
M-Tech	Tezpur (Central) University	2009	IT
PhD	VSS University& Technology	2017	Comp. Sc. & Engg.
Any other			
'O' Level	DOEACC, New Delhi	1999	Comp. Sc.
A' Level	DOEACC, New Delhi	2001	Comp. Sc.

Areas of Interest/ Specialization

Wireless Sensor Network , Database Management System, C, C++, JAVA, PYTHON,

Design And Analysis Of Algorithm, Data Structure, Software Engineering

Teaching/Research Experience

Organization/Institution	Designation	Duration	Role
Govt. (Auto) College , Rourkela	Lecturer	09 Years	Teaching
VSSUT, Burla	Lecturer	5 Months	Teaching
Purusottam Institute of Engg. & Tech.	Sr. Lecturer	3 Years	Teaching
LCC(Gandhi College)	Lecturer	2.5 Years	Teaching

Course Taught

Database Management System, C, C++, JAVA, PYTHON,

Design And Analysis Of Algorithm, Data Structure, Software Engineering

Book Chapters:

Prabhudutta Mohanty , Manas Ranjan Kabat," Transport Protocols in Wireless Sensor Networks", Book titled "Wireless Sensor Networks: Theory and Application" edited by Ibrahiem M.M. EI Emay & Ramkrishan, CRC Press, Taylor and Francis Group. Chapter 10, Page No 265-305, ,2013.

Research Papers:

1. **Prabhudutta Mohanty**, Manas Ranjan Kabat, "**Energy Efficient Reliable Multi-path Data Transmission in WSN for Healthcare Application",** International Journal of Wireless Information Networks, **Springer** , vol 23, no 1,pp 1-11 ,2016

2. **Prabhudutta Mohanty**, Manas Ranjan Kabat, "**Energy efficient reliable data delivery in WSNs",** Egyptian Informatics Journal, **Elsevier** vol 17, pp 273-284, 2016

3. **Prabhudutta Mohanty**, Manas Ranjan Kabat, "**A Hierarchical Energy Efficient Reliable Transport Protocol for Wireless Sensor Networks",** Ain Shams Engineering Journal, **Elsevier,** vol. 5, pp 1141-1155, 2014

4. **Prabhudutta Mohanty** , Manas Ranjan Kabat, Manoj Kumar Patel, "**An Energy Aware Transport Protocol in Wireless Sensor Networks**", International Journal of Information Processing, vol. 6, issue 3, pp 23-31, 2012

5. **Prabhudutta Mohanty** , Manas Ranjan Kabat, Manoj Kumar Patel, "**An Energy Aware Transport Protocol in Wireless Sensor Networks**", IJIP, vol 6, issue 3, 2012, pp. 23-31

6. Dulal Acherjee,**Prabhudutta Mohanty**,Dr S.Jayanthu "**Optimization of routing delay for pervasive sensor network using Fuzzy logic**", International Journal of computer engineering and computer applications,Vol No-6, Issue No-1 ,Spring edition 2011

7. Priyaranjan Mohapatra **, Prabhudutta Mohanty**, Dulal Acherjee ,P.Patel, "**The aspects of designing a global real time display machine**",International Journal of computer engineering and computer applications, Vol No-7, Issue No-1 ,June 2011

8. **Prabhudutta Mohanty,** Priyaranjan Mohapatra ,"**Maximum Coverage in WSN using Optimal Deployment Techniques**", IJCA Special Issue on "2nd National Conference- Computing, Communication and Sensor Network" CCSN, 2011,pp 40-47

9. **Prabhudutta Mohanty**, Sangram Panigrahi, Nityananda Sarma, Siddhartha Sankar Satapathy **"SECURITY ISSUES IN WIRELESS SENSOR NETWORK DATA GATHERING PROTOCOLS: A SURVEY" Journal of Theoretical and Applied Information Technology**, Vol 13. No. 1, 2010

Reviews:

A review of Reliable Spatial and Temporal Data Reduction Approach for Wireless Sensor Network, Computer Networks, Elsevier, Nov-2020

(National /International) Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc organized in capacity of Convener/ Co-convener [In Detail]

1) One day International webinar on "Authentication technique" 27th march, 2023

Speaker: Dr.ArijitKarati, Dept. of CSE, NSYU, Taiwan

Co-convenor: Dr. Prabhudutta Mohanty

2) One day International webinar on "Computer vision" 27th march, 2023

Speaker: Dr.SambitBakshi, Dept. of CSE, NIT Rourkela

Co-convenor: Dr. Prabhudutta Mohanty

3) One day International webinar on "Deep learning" 18thmarch, 2023

Speaker: Dr.Sandeepsinghsengar, Dept. of CSC, Cardiff Metropolitian University, UK

Co-convenor: Dr. Prabhudutta Mohanty

4) One day International webinar on "Blockchain" 18th march, 2023

Speaker: Dr.Sanjaykumar Panda, Dept. of CSE, NIT Warangal

Co-convenor: Dr. Prabhudutta Mohanty

5) One day National webinar on "fundamental of genetic algorithm and its application" march, 2023

Speaker: Dr.Haider Banka, Dept. of CSE, IIT Dhanbad

Co-convenor: Dr. Prabhudutta Mohanty

6) One dayNational webinar on "security threat & solution"08thmarch, 2022

Speaker: Dr.PreetiChandrakar, Dept. of CSE, NIT Raipur

Co-convenor: Dr. Prabhudutta Mohanty

7) One day National webinar on "recommended system" 04thmarch, 2022

Speaker: Dr.Sanjaykumar Panda, Dept. of CSE, NIT Warangal

Co-convenor: Dr. Prabhudutta Mohanty

8) One day International webinar on "Deep learning in Healthcare" 10th march, 2022

Speaker: Dr.Sandeepsinghsengar, Dept. of CSC, Cardiff Metropolitian University, UK

Co-convenor: Dr. Prabhudutta Mohanty

9) One day International webinar on "Machine learning for biometrics " 10th march, 2022

Speaker: Dr.SambitBakshi, Dept. of CSE, NIT Rourkela

Co-convenor: Dr. Prabhudutta Mohanty

10) National Seminar On "Advances In Information Communication And Computing" 24th Dec 2018

Speaker: 1. Dr. Haider Banka, IITDhanbad

2. Dr. G. Sahoo, BIT Mishra

3. Dr. BasudevBehera, NIT Jamshedpur

4. Dr. Sumit Patel, NIT Jamshedpur

5. Dr. ManasKabat, VSSUTBurla

6. Convenor: Dr. A.K. Jaiswal

7. Co-convenor: Dr. Prabhudutta Mohanty

Paper Presented in Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc [In Detail]

1) Prabhudutta Mohanty, Manas Ranjan Kabat and Manoj Kumar Patel, "**Energy Efficient Transmission Control Protocol in wireless Sensor Network" ,** ICIP-2012, CCIS 292, Bangalore,PP 56-65, 2012

2) Prabhudutta Mohanty, Manas Ranjan Kabat, " **Energy Efficient Hierarchical Reliable Transport Protocol in Wireless Sensor Networks" ,** 3rd World Conference on Information Technology, Spain, Barcelona, November 14-16, 2012

3) Prabhudutta Mohanty, Sangram Panigrahi, Nityananda Sarma, Siddhartha Sankar Satapathy **"HCEPSN: A Hierarchical Cluster based Energy efficient data gathering Protocol for wireless Sensor Network", 12th International Conference on Information Technology (ICIT-09)**, Bhubaneswar ,December 21-24, 2009

4) Prabhudutta Mohanty, Sangram Panigrahi, Nityananda Sarma, Siddhartha Sankar Satapathy **"A symmetric Key based Secured Data Gathering Protocol for WSN" IEEE International Conference on Anti-counterfeiting, Security and Identification**, Hong Kong, 20-22 August 2009.

5) Prabhudutta Mohanty, Manas Ranjan Kabat, Manoj Kumar Patel, **"Energy Efficient Reliable Data Delivery in Wireless Sensor Networks for Real Time Applications"**, Computational Intelligence in Data Mining, Smart Innovation, Systems and Technologies, **Springer** vol. 3, issue 33, pp 281-290, 2015

6) Prabhudutta Mohanty, Manas Ranjan Kabat, **"Energy Efficient Hierarchical Reliable Transport Protocol in Wireless Sensor Networks",** AWER Procedia Information Technology & Computer Science, vol. 4, pp 61-67, 2013

7) Prabhudutta Mohanty, Manas Ranjan Kabat and Manoj Kumar Patel, "Energy Efficient Transmission Control Protocol in wireless Sensor Network" , 6th International Conference on Information Processing, Communications in Computer and Information Science, Springer, vol. 292, pp 56-65, 2012

8) Priya Ranjan Mohapatra, **Prabhudutta Mohanty**, Dulal Acherjee, Punyaban Patel **"Design Issue of a Real Time Wireless Unique time display machine" All India Seminar on computing, communication and sensor network, 30-31 October 2010,PIET**

9) Prabhudutta Mohanty, Sangram Panigrahi,Nityananda Sarma, Siddhartha Sankar Satapathy **"Routing Protocols for Wireless Sensor Networks: A Survey" National Workshop cum Seminar on Distributed Computing (NSDC-2009) ,march 6-7, SMIT**

Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc Attended [In Detail]

1)MHRD/AICTE sponsored short term training program on **" Wireless Networks (WN-08) "** held during Dec 8-12, 2008 at **ABV – IIITM, Gwalior**.

2) "A faculty Enablement Program (FEP) of campus connect program" of Infosys Technology LTD. held during Nov 16-20, 2009 at Infosys Technology, Bhubaneswar**.**

3) MHRD/AICTE sponsored Staff Development program on **"Selected Topics in Software Engineering (SDP)"** held during March 18-24, 2010 at **IIT, Kharagpur**

4) Workshop on **"High Impact Teaching Skills "Mission 10x , WIPRO,** held during 16-17 Aug 2010, at PEC, Rourkela

5) Workshop on " **Quality Enhancement Of Engineering Education through NPTEL**" held during Jan 18-19, 2011 at **CET**, **IIT, Kharagpur**

"One Week Online Workshop on Internet of Things: Challenges and Solutions", Computer Society of india, Aug17-22,2020