



Dr. Ambarish G. Mohapatra, Ph.D.

Name : Ambarish G. Mohapatra

Designation : Sr. Assistant Professor

Department : Department of Electronics and Instrumentation
Engineering

(JOINED THE INSTITUTE IN 2010)

Contact : +919938918991 (M)

Email : ambarish.mahapatra@silicon.ac.in, &
ambarish.mohapatra@gmail.com

RESEARCH INTERESTS

A result oriented professional in the field of engineering with problem solving skills to explore new avenues in the fields of emerging technologies. My expertise is on the development and implementation of intelligent Decision Support Systems for Internet of Things (IoT) based applications.

- ✓ Development of Sensors and sensing systems for the advancement of scientific knowledge and society
- ✓ IoT/M2M devices and Remote measurement schemes
- ✓ Design of Pressure Transducers, Load transducers and smart transmitters (Live Zero)
- ✓ Development of Dynamic load sensing systems
- ✓ Precision Agriculture and Decision Support System through IoT
- ✓ Distributed sensing through Wireless Sensor Network
- ✓ Distributed fiber optic sensors in harsh environmental conditions on a large scale
 - Monitoring of large civil infrastructures
 - Monitoring of pipelines
 - Monitoring of geothermal and volcanic areas

Academic Qualifications

Ph. D. (Engg.), Suresh Gyan Vihar University, Jaipur, India.

M. Tech. (Sensor System Technology), VIT University, Vellore, India.

B.Tech. National Institute of Science and Technology, Berhampur, Orissa, India.

Specialization: Electronics Engineering.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Dec-2010 to Present
Assistant Professor in Applied Electronics and Instrumentation Department, Silicon Institute of Technology, Bhubaneswar, Orissa, India.
- ✓ Jan-2009 to Nov-2010,
Senior Lecturer in Applied Electronics and Instrumentation Department, Krupajal Engineering College, Bhubaneswar, Orissa, India.

PUBLICATIONS**JOURNAL & CONFERENCES****CONFERENCES**

1. Bright Keswani, Prity Vijay, Narayan Nayak, Poonam Keswani, Saumyanjan Dash, Laxman Sahoo, Tarini Ch. Mishra, Ambarish G. Mohapatra, "Imbalanced Dataset Performance Hindrance Challenge for Machine Learning Classification Algorithms", Proceedings of the International Conference on Innovative Computing and Communication (ICICC-2019), Springer Series: Advances in Intelligent Systems and Computing, Pages In-Press, First Online: 29 February 2020. DOI: <https://doi.org/10.1007/978-981-15-1286-5.38>. Scopus
2. Saroj Kumar Lenka, Ambarish G. Mohapatra, "Gradient Descent with Momentum based neural network pattern classification for the prediction of soil moisture content in Precision Agriculture", Proceedings of the IEEE International Symposium on Nanoelectronic and Information Systems (iNIS), Pages 63-66, 21-23 December 2015.
3. Ambarish G. Mohapatra, Saroj Kumar Lenka, "Hybrid Decision Model for Weather Dependent Farm Irrigation Using Resilient Backpropagation based Neural Network Pattern Classification and Fuzzy Logic", Proceedings of the Springer Smart Innovation, Systems and Technologies (SIST) Book series, Chapter 30, Pages 1-12, 2016.
4. Ambarish G. Mohapatra, Saroj Kumar Lenka, "Neural Network Pattern Classification and Weather Dependent Fuzzy Logic Model for Irrigation Control in WSN Based Precision Agriculture", ICISP-2015, Proceedings of the Elsevier Procedia Engineering, Volume 78, Pages 499-506, 2016.
5. S.G. Mohapatra, A.G. Mohapatra, Dept. Electronics & Telecommunication Engineering, Silicon Institute of Technology, Bhubaneswar, India, S.K. Lenka, "Cyclostationarity based windowing method for spectrum sensing in cognitive radio networks", IEEE International Conference on Information Communication and Embedded Systems (ICICES), Pages 603-608, 2013.
6. Subhashri G. Mohapatra, Ambarish G. Mohapatra, Dr. S. K. Lenka, "Performance Evaluation Of Cyclostationary Based Spectrum Sensing In Cognitive Radio Network", Pages 90-97, IEEE IMAQ4S 2013.
7. Saroj Kumar Lenka, Ambarish G. Mohapatra, "A Study on MOEMS based MicroSpectrometer for Real-Time Precision Agriculture Application", International Conference on Technical and Executive Innovation in Computing and Communication (TEICC 2012), Pages 490-493, 2012.
8. Nalini Singh, Ambarish G. Mohapatra, Biranchi Narayan Rath and Gurukalyan Kanungo, "Breast cancer mass detection in Mammograms using K-means and fuzzy C-means clustering", 4th IEEE ICCSIT, Chengdu, China, Volume 6, Number 3, Pages 122-126, 2011.
9. Dr. Saroj Ku. Lenka, Ambarish G. Mohapatra, Sasmita Nayak, "Wireless Sensor Network used for monitoring the quality of drinking water", National Seminar on "24th

National Convention of IPHE (I) (Institute of Public Health Engineers, Govt. Of India) in Bhubaneswar”, Pages 105-113, February-2011.

10. Neeta Kiran, Ambarish G. Mohapatra, "Towards A Distributed Data Mining System for Tourism Industry", National Conference on "Future Trends on Data Mining" at Gandhi Engineering College, Bhubaneswar, May-2010.

11. Dr. Saroj Ku. Lenka, Ambarish G. Mohapatra, Sidharth Das and Sonali Pradhan, "Wireless sensor network based cattle health monitoring system for early detection of disease", IEEE ICINC 2010, Malaysia, Volume 2, Pages 337-341, May 2010.

JOURNALS

1. Ambarish G. Mohapatra, Ashish Khanna, Deepak Gupta, Maitri Mohanty, Victor Hugo C. de Albuquerque, An Experimental Approach to Evaluate Machine Learning Models for the Estimation of Load Distribution on Suspension Bridge using FBG Sensors and IoT, Computational Intelligence, Willy, In-Press, August 2020. Indexed and Abstracted: Sci-E, Scopus.

2. Ajaya K. Tripathy, Pradyumna K. Tripathy, Ambarish G. Mohapatra, Niranjana K Ray, Saraju P Mohanty, WeDoShare: A Ridesharing Framework in Transportation Cyber-Physical System for Sustainable Mobility in Smart Cities, IEEE Consumer Electronics Magazine, Volume: 9, Issue: 4, 1st July 2020. Indexed and Abstracted: Sci-E, Scopus. (DOI: 10.1109/MCE.2020.2978373)

3. Ajaya K. Tripathy, Ambarish G Mohapatra, Saraju P. Mohanty, Elias Kougiannos, Amit M. Joshi, Gautam Das, EasyBand: A Wearable for Safety-Aware Mobility during Pandemic Outbreak, IEEE Consumer Electronics Magazine, 13 May 2020. Indexed and Abstracted: Sci-E, Scopus. (DOI: 10.1109/MCE.2020.2992034)

4. Bright Keswani, Ambarish G. Mohapatra, Poonam Keswani, Ashish Khanna, Deepak Gupta, Joel J P C Rodrigues, Improving Weather Dependent Zone Specific Irrigation Control Scheme in IoT and BigData Enabled Self Driven Precision Agriculture Mechanism, Enterprise Information Systems, Print ISSN: 1751-7575, Online ISSN: 1751-7583, Taylor & Francis, Pages 1-23, 2020. Indexed and Abstracted: Sci-E, Scopus. (DOI: <https://doi.org/10.1080/17517575.2020.1713406>)

5. Ambarish G. Mohapatra, Bright Keswani, Shivani Nanda, Abhishek Ray, Ashish Khanna, Deepak Gupta, Poonam Keswani, Precision local positioning mechanism in underground mining using IoT-enabled WiFi platform, International Journal of Computers and Applications, ISSN: 1206-212X (Print) 1925-7074 (Online), Taylor & Francis, Pages 1-12, 2018.

6. Bright Keswani, Ambarish G. Mohapatra, Amarjeet Mohanty, Ashish Khanna, Joel J. P. C. Rodrigues, Deepak Gupta, Victor Hugo C. de Albuquerque, Adapting Weather Conditions Based IoT Enabled Smart Irrigation Technique in Precision Agriculture Mechanisms, Neural Computing and Applications, Springer, Pages 1–16, 2018.

7. Ambarish G. Mohapatra, Dr. Bright Keswani, Dr. Saroj Kumar Lenka, "Neural Network and Fuzzy Logic Based Smart DSS Model for Irrigation Notification and Control in Precision Agriculture", Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer, Volume 6, Issue 24, Pages 1-10, 2018.

8. Bright Keswani, Ambarish G. Mohapatra, Amarjeet Mohanty, Ashish Khanna, Joel J. P. C. Rodrigues, Deepak Gupta, Victor Hugo C. de Albuquerque, Adapting weather conditions based IoT enabled smart irrigation technique in precision agriculture mechanisms, Neural Computing and Applications, Springer, pp 1–16, 2018.

9. Ambarish G. Mohapatra, Dr. Bright Keswani, Dr. Saroj Kumar Lenka, "ICT Specific Technological Changes in Precision Agriculture Environment", International Journal of Computer Science and Mobile Applications, Volume 6, Issue 1, Pages 1-16, 2018.

10. Ambarish G. Mohapatra, Dr. Bright Keswani, Dr. Saroj Kumar Lenka, "Soil n-p-k prediction using location and crop specific random forest classification technique in

- precision agriculture”, International Journal of Advanced Research in Computer Science, Volume 8, Issue 7, Pages 1-6, 2017.
11. Ambarish G. Mohapatra, Dr. Bright Keswani, Dr. Saroj Kumar Lenka, “Optimizing Farm Irrigation Mechanism Using Feedforward Neural Network and Structural Similarity Index”, International Journal of Computer Application, Volume 4, Issue 7, Pages 135-141, 2017.
 12. Ambarish G. Mohapatra, Saroj Kumar Lenka, “Hybrid Decision Support System using PLSR-Fuzzy Logic for GSM based Site Specific Irrigation Notification and Control in Precision Agriculture”, International Journal of Intelligent Systems Technologies and Applications, Inderscience, Volume 15, Issue 1, Pages 4-18, 2016.
 13. Ambarish G. Mohapatra, Saroj Kumar Lenka, “Neuro-Fuzzy-Based Smart DSS for Crop Specific Irrigation Control and SMS Notification Generation for Precision Agriculture”, International Journal of Convergence Computing, Inderscience, Volume 2, Issue 1, Pages 3-22, 2016.
 14. Ambarish G. Mohapatra, Saroj kumar lenka, “Optical MEMS based Soil Parameter Monitoring for Precision Agriculture”, International Journal of Advanced and Innovative Research, Volume 1, Issue 7, December 2012.
 15. Subhashri G. Mohapatra, Ambarish G. Mohapatra, Dr. S. K. Lenka, “A comparative study on different approaches of spectrum sensing in cognitive radio based network”, International Journal of Advanced and Innovative Research, Volume 1, Issue 7, December 2012.
 16. Laxmi Shaw, Sangeeta Bagha, Ambarish G. Mohapatra, and Narayan Nayak Member, “Kernel Approach on Detection of Ethanol Concentration Using ZnO Gas Sensor”, International Journal of Machine Learning and Computing, Volume 2, Issue 1, Pages 71-75, February 2012.
 17. Nalini Singh, Ambarish G Mohapatra, Biranchi Narayan Rath, and Guru Kalyan Kanungo, “GUI Based Automatic Breast Cancer Mass and Calcification Detection in Mammogram Images using K-means and Fuzzy C-means Methods”, International Journal of Machine Learning and Computing, Volume 2, Issue 1, Pages 7-12, February 2012.
 18. Ambarish G. Mohapatra, Saroj kumar lenka, “Motion artifact cancellation in ambulatory ECG measurement System for the detection of cardiac diseases”, Advances in computational research, Volume 3, Issue 1, Pages 42-49, December 2011.
 19. Saroj kumar lenka, Ambarish G. Mohapatra, “Linear Discriminant Analysis Based Sensing Characteristics Study of ZnO thick film Gas Sensor”, Advances in computational research, Volume 3, Issue 1, Pages 31-36, December 2011.
 20. Ambarish G Mohapatra, “Computer Vision Based Smart Lane Departure Warning System for Vehicle Dynamics Control”, Sensors & Transducers Journal, International Frequency Sensor Association (IFSA), Volume 132, Issue 9, Pages 122-135, September 2011.
 21. Ambarish G Mohapatra, “Design and Implementation of Diaphragm Type Pressure Sensor in a Direct Tire Pressure Monitoring System (TPMS) for Automotive Safety Applications”, International Journal of Engineering Science and Technology" (IJEST), Volume 3, Issue 8, Pages 6514-6524, August 2011 Edition.
 22. Ambarish G Mohapatra, Biranchi N. Rath, “Pattern Recognition Based Discrimination of Ethanol Concentration Using ZnO Thick-Film Gas Sensor for the Detection and Warning of Drunken Driving”, International Journal of Engineering Science and Technology" (IJEST), Volume 3, Issue 6, Pages 4604-4613, June 2011 Edition.
 23. Nalini Singh, Ambarish G Mohapatra. “Breast Cancer Mass Detection in Mammograms using K-means and Fuzzy C-means Clustering”. International Journal of Computer Applications (IJCA), Volume 22, Issue 2, Article 3, Pages 15-21, May 2011, Accepted by Villanova University Digital library, Villanova, PA, USA.

PHD SUPERVISION

2019: Mrs. Maitri Mohanty, Research Area: IoT and Distributed FBG sensor in Healthcare, GIET University, Gunupur, Odisha, India. (Status: On-Going)

2020: Mr. Saurjyadipta Samantaray, Research Area: High Performance Envelop Tracking Power Amplifier for 5G Communication, Biju Patnaik University of Technology (BPUT), Odisha, India. (Status: On-Going)

PROFESSIONAL TRAINER / INVITED SPEAKER

2019 Invited Speaker in the TEQIP sponsored Five day Workshop on "IoT & Sensor Embedded Application(ISEA-2019)" at Silicon Institute of Technology, Bhubaneswar, India.

2015 Professional trainer in the training program on "Embedded Virtual Systems Design for Sensing and Control" at Silicon Institute of technology, Bhubaneswar, India.

2015 Trainer in the training program on "Electronics and Instrumentation Laboratory" for the students of Biju Patnaik National Steel Institute Puri at Silicon Institute of technology, Bhubaneswar, India.

2013 Professional trainer in the training program on "DAQ card interfacing with Lab-VIEW" at Silicon Institute of technology, Bhubaneswar, India.

PATENT FILED

"Smart Agriculture: WSN with GSM for Automation and Control of Vegetation, Irrigation and Flood in Precision Agriculture". File Number: 2670/DEL/2014 dt. 17/09/2014. Published on: 25/03/2016, Journal Number: 13/2016

SHORT TERM COURSES

- ✓ 2020 Underwent an Webinar on Modeling Piezoelectric and Magnetostrictive Devices Using COMSOL, Dated: 29th April 2020
- ✓ 2020 Underwent an Webinar on COMSOL Multiphysics for Chemical Engineering Applications, Dated: 30th April 2020
- ✓ 2020 Underwent a FDP (Online) on Recent trends in science and technology, Hosted By Suresh Gyan Vihar University, Jaipur Dated: 15th-20th June 2020
- ✓ 2020 Underwent a FDP (Online) on Perl Scripting, Hosted By IIT Bombay, Dated: 10th-14th June 2020
- ✓ 2020 Underwent a FDP (Online) on LaTeX, Hosted By IIT Bombay Spoken Tutorial, Dated: 17th-30th April 2020
- ✓ 2020 Underwent a FDP (Online) on Insights into cutting Edge Technologies, Hosted By R.M.D.ENGINEERING COLLEGE RSM Nagar, Kavaraipettai-601206 Tamilnadu, India, Dated: 16th-20th June 2020
- ✓ 2020 Underwent Online Training Program for Three days on ARM Cortex M4-F Based on Tiva Launchpad Under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore, Dated: 28th-30th April 2020
- ✓ 2020 Underwent International Virtual Conference on Wearable Technologies & Applications, Emerging Trends and Innovations Organized By Center for Wearable Technology and Applications, School of Electronics Engineering, VIT, Vellore, Dated: 26th-27th June 2020
- ✓ 2020 Underwent an Online Course: How to check any mechanical product design with linear static, Dated: 22nd March 2020
- ✓ 2019 Underwent a Three days National Workshop on "Advanced Communications and Signal Processing" at Silicon Institute of Technology, Bhubaneswar, India. Dated: 27th-29th Sept 2019

- ✓ 2019 Underwent a TEQIP sponsored Five day Workshop on "IoT & Sensor Embedded Application(ISEA-2019)" at Silicon Institute of Technology, Bhubaneswar, India. Dated: 16th-20th Dec 2019
- ✓ 2019 Underwent a BPUT TEQIP-III sponsored workshop on "Nanotechnology and Embedded Systems (NES-2019)" at Silicon Institute of Technology, Bhubaneswar, India. Dated: 27th-30th December 2019.
- ✓ 2018 Underwent a seminar on "National Level Seminar, Future Technology In Industries & Internet Of Things" at Central Tool Room & Training Centre, Bhubaneswar, India. Dated: 10-Feb-2018
- ✓ 2018 Underwent a workshop on "GIS Exposition on the theme (GIS for Sustainability)" at SPARC Pvt. Ltd, Infocity, Bhubaneswar, India. Dated: 15–Nov-2018
- ✓ 2017 Underwent a workshop on "Train the Trainer" at Silicon Institute of Technology, Bhubaneswar, India. 19-Jun-2017–22-Jun-2017
- ✓ 2016 Underwent a short term course on "Wireless Sensor Network with Internet of Things and Cloud Computing" at Silicon Institute of Technology, Bhubaneswar, India. 15-Jan-2016–16-Jan-2016
- ✓ 2015 Underwent a short term course on "Scientific Document Preparation using LATEX" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2015 Underwent a short term course on "Signal and Image Processing" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2014 Underwent a seminar and workshop on "Signals and Systems at IIT Kharagpur" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2014 Underwent a seminar and workshop on "Control Systems" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2013 Underwent a seminar and workshop on "VLSI signal processing: Efficient Design and Implementation" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2012 Underwent a seminar and workshop on "Next Generation Wireless Communication and Networking (WNWCN)" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2012 Underwent a seminar and workshop on "Industrial Instrumentation and Control (NWIIC)" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2010 Underwent a seminar and workshop on "Advanced Signal Processing and Communication" at Silicon Institute of Technology, Bhubaneswar, India.
- ✓ 2009 Participated in two days national conference on "Quality Assurance in Technical Education (QAITE)" at Krupajal Engineering College, Bhubaneswar, sponsored by National Assessment and Accreditation Council (NAAC), Bangalore, India.
- ✓ 2008 Underwent a short term course on "Altera XILINX FPGA" at NIT, Rourkela, India.
- ✓ 2007 Underwent a seminar and workshop on "Recent Trends on MEMS". Also taken training on applications and design process of MEMS at VIT University, Vellore, India.
- ✓ 2007 Underwent a workshop and training on "Strain Gauge Bonding and measurements" for two days at VIT University, Vellore, India.

AWARDS

2013–2016 Career Award For Young Teachers (CAYT) for the project on "Wireless Sensor Network in Precision Agriculture" sponsored by All India Council Technical Education (AICTE), New Delhi, India.

RESEARCH PROJECTS

2019–2020 (on-going) Research project on "Design and Development of Fibre Bragg Grating Based Cardiac Probe for MRI Environment" under TEQIP-III Collaborative Research Initiative Scheme (CRIS) scheme sponsored by TEQIP-III BPUT Odisha.

2019–2020 (on-going) Research project on "Design and Development of packaged FBG sensors for real-time monitoring of strain as well as temperature" under Silicon Research Promotion Scheme (SRPS) scheme sponsored by Silicon Institute of technology, Bhubaneswar, India.

2018–2019 Research project on "Characterization of FBG sensor and preliminary interrogation technique" under Silicon Research Promotion Scheme (SRPS) scheme sponsored by Silicon Institute of technology, Bhubaneswar, India.

2014–2015 Research project on "WSN Design for Precision Agriculture" under Silicon Research Promotion Scheme (SRPS) scheme sponsored by Silicon Institute of technology, Bhubaneswar, India.

2014–2015 Research project on "Smart Eye for Monitoring and Control of Plant Conditions" under Silicon Research Promotion Scheme (SRPS) scheme sponsored by Silicon Institute of technology, Bhubaneswar, India.

2013–2016 Research project on "Wireless Sensor Network in Precision Agriculture" sponsored by All India Council Technical Education (AICTE), New Delhi, India.

BOOK PUBLICATIONS

2011 Mr. Ambarish G. Mohapatra and Dr. Saroj Lenka, A Comprehensive Course on LabVIEW (Practical Approach to WSN using LabVIEW), Lambert Academic Publishing, LLC.

2011 Subhashri G.Mohapatra and Mr. Ambarish G. Mohapatra, Spectrum sensing in cognitive radio: Use of cyclo-stationary detector followed by windowing technique, Lambert Academic Publishing, LLC.

CORE PROFICIENCY

✓ Virtual Instrumentation Tools

National Instruments LabVIEW, National Instruments Vision development tool, NI-Multisim.

✓ Mathematical Modelling Tools

MATLAB and its toolkits.

✓ Microcontroller Based Application Design Tools

CCS PICC compiler, MPLab, ISIS 7 Professional.

✓ Working Experience on Microcontrollers

Arduino Environment Supporting Controllers, Microchip PIC series, Raspberry pi

✓ Wireless Communication Devices

Zigbee, ESP8266 Wifi, Bluetooth, GSM, GPRS, GPS.

✓ Analog and Digital Circuit Design Tools

Cadence OrCAD circuit and layout design.

✓ Multiphysics Simulation Tools

ANSYS Multiphysics, COMSOL Multiphysics.

SOFTWARE PROFICIENCY

- ✓ **Software Languages**
ANSI C, C++, Core JAVA.
- ✓ **Web Technology**
HTML, PHP, Java Script, Python.
- ✓ **Mobile Application Development**
Android Application Development.
- ✓ **Big Data and Hadoop Skills**
Data operation in HDFS for further analysis.
Moving data from HDFS to RDBMS and vice-versa using SQOOP.
Analyzing/Transforming data with Hive and Pig.
Scheduling tools like Oozie.
Data ingestion tools like flume.
Data analytics using R and R Shiny.

AREAS OF INTERESTS

- ✓ Sensors and Transducers (Electrical and Electronics Domain)
- ✓ Fibre Bragg Grating (FBG) Sensor (Optical Domain)
- ✓ National Instruments LABVIEW
- ✓ Decision Support Systems in Precision Agriculture
- ✓ Design of Measuring Instruments
- ✓ Implementation of Internet of Things (IoT)

EXPERIENCE ON SENSOR AND TRANSDUCER DESIGN

- ✓ Strain Gauge based Load cell
- ✓ Diaphragm based pressure sensor
- ✓ Capacitive liquid level sensor
- ✓ Trunk diameter sensor
- ✓ Torque sensor

PROFESSIONAL SERVICES AND MEMBERSHIP

REVIEWER

1. Pertanika Journal of Science and Technology, Springer, April 2020.
2. IEEE Sensors Journal, Research Topic on Subsurface Tomography over Cellular Internet of Things (IoT), Jan 2020.
3. Computers and Electronics in Agriculture, Elsevier, Aug 2019.
4. International Conference on Innovative Computing and Communication (ICICC-2019), Organized by: Technical University of Ostrava from 21 to 22 March 2019, 2018.
5. International Journal of Experimental Agriculture, SCIENCEDOMAIN international (SDI), 2018.
6. Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, 2018.
7. Pertanika Journal of Science and Technology, Springer, MAY 2016.
8. IEEE Sensors Journal, MAY 2015.
9. IEEE Sensors Journal, APR, 2015.
10. Journal of The Institution of Engineers (India): Series B, Signals and Communication, Springer, September 2013.
11. Journal of The Institution of Engineers (India): Series B, Springer, June 2012 – July 2012.
12. 4th IEEE International Conference on Computer Science and Information Technology, Chengdu, China, June 10 - 12, 2011.

MEMBERSHIP

International Association of Computer Science & Information Technology (IACSIT), Singapore, Membership Number 80339474.

CERTIFIED TEACHING PROFESSIONAL

Excellence in Engineering Education through Innovations "High Impact Teaching Skills - MISSION 10X", by Wipro Technologies Ltd.