

**A One Day Workshop
ON**

Wireless Sensor Networks

Sponsored By

TEQIP

Organized By

Bhilai Institute of Technology, Durg

Department of Computer Science and Engineering

&

**CHHATTISGARH SWAMI VIVEKANAND
TECHNICAL UNIVERSITY BHILAI (C.G.)**

11th March 2019

Registration Form

(Participation Confirmation will be intimated)

Name: _____

Designation _____ Department _____

Organization _____

Contact Address: _____

Email: _____

Tel./Mobile No. _____

Date: _____ Signature of the Applicant

Signature of the Head of the Institution

Address for Correspondence

1. Prof. Shankha De, BIT-Durg
Mob: +91-9993260767
Email: shankhada2009@gmail.com
2. Dr. Kshitiz Varma , TEQIP-III Cell, CSVTU Bhilai
Mob: +91-7987783652

CHIEF PATRONS

Dr. M. K. Verma
Hon'ble Vice Chancellor, CSVTU Bhilai

Dr. Arun Arora
Principal, BIT – Durg

PATRONS

Shri D. N. Sirsant
Registrar , CSVTU Bhilai

Dr. (Mrs) M. V. Padmavati
H.O.D.(CSE) – BIT - DURG

CHIEF COORDINATOR

Dr. Piyush Lotia
TEQIP-III Coordinator, CSVTU Bhilai

COORDINATORS

Dr Ashish Patel
SPO, TEQIP-III Cell, CSVTU Bhilai

Dr. (Mrs.) S. Ray
Coordinator, TEQIP-III Cell, BIT, Durg

ORGANIZING COMMITTEE

Program Coordinator
Mr. Shankha De

Committee Members

Dr. Ramesh Kumar	Mr. Dinesh Kumar Bhawnani
Dr. Arpana Rawal	Mr. Kaushal Sinha
Mr. D.P. Mishra	Mr. Shiv Dutta Mishra
Mr. Partha Roy	Mr. Kauleshwar Prasad
Mr. Ashok Kumar Behera	Mrs. Monika Parganiha
Mr. Sumit Sar	Mrs. Chaitali Choudhury
Mr. Sudip Bhattachrya	Ms. Swati Dewangan
Mr. Pawan Patnaik	Mr. Sargam Gupta
Mr. Vivek Parganiha	Mr. N. Chiranjeev Rao
Mrs. Monika Arya	

VENUE

SEMINAR HALL
Department of computer Science and Engineering
Bhilai Institute of Technology – Durg
Phone: (0788) 2321163, 2334424 FAX: (0788) 2210163
Website: www.bitdurg.ac.in

**A
One Day Workshop
ON**

“Wireless Sensor Networks”

11/03/2019



Under TEQIP-III

Organized By

Bhilai Institute of Technology, Durg
Department of Computer Science and Engineering

&

**CHHATTISGARH SWAMI VIVEKANAND
TECHNICAL UNIVERSITY, BHILAI (C.G.)**

About the University:

Chhattisgarh Swami Vivekanand Technical University (CSVTU) is a Public State University located in Bhilai, Chhattisgarh, India. On 30 April 2005, the foundation stone of the University was laid by the Prime Minister of India Manmohan Singh aim of providing “Systematic , Efficient and Quality Education “ in the fields of engineering and technology. Currently 97 Engineering, Pharmacy and Polytechnic Institutions are affiliated to the university.

About College:

Bhilai Institute of Technology initiated by few notable stalwarts of central India in 1986 has now evolved as one of the premier Technical and Management Institute of this part of the country imparting quality education and providing environment for academic research. BIT campus has a conducive and supportive academic ambience facilitating high quality education and research for about 3000 students of graduate, post graduate and doctoral programmes. Four of its undergraduate programs have been accredited once gain in 2017 by the National Board of Accreditation (NBA) and the institute itself has been A grade accredited by the National Accreditation and Assessment Council (NAAC) in 2017. The institute also has an installation of ISO 9001:2015.

BIT is well connected through Rail network as well as Air network of the country. BIT is at about 1km distance from the Durg Railway station on Howrah-

Mumbai line and is about 45 km away from the Swami Vivekanda Airport at Raipur, the capital city of Chhattisgarh state.

About Workshop

WSNs are spatially distributed autonomous sensors to monitor physical or environmental conditions, such as temperature, sound, pressure, etc. They cooperatively pass their data through the network to a main location called base station. The more modern networks are bi-directional, thus enabling control of sensor activity. The development of wireless sensor networks was motivated by military applications such as battlefield surveillance; today such networks are used in many industrial and consumer applications, such as industrial process monitoring and control, machine health monitoring, and so on.

Objectives

This workshop aims to introduce participants to fundamentals of Wireless Sensor Network and their applications. It introduces different issues and challenges faced in Practical implementation of WSN.

The workshop is focused upon introducing the Wireless Sensor Networks, the sensor nodes, their characteristics, the deployment issues, the operational models, the applications, and the programming environment of WSNs. Demonstration of the WSN kits as well as sample applications on WSN nodes.

Course Contents

- **Introduction to WSN and its applications**
- **Issues and Challenges in WSN**
- **Architecture of WSN**
- **Components of WSN Node**
- **Networking of Sensor Node**
- **Management of Sensor Network Database**
- **Hands on session and practical on WSN platform**

Registration

Workshop is only for CSVTU – Bhilai affiliated Engineering/Polytechnic College / Institutions students. The complete registration form can be send by currier / post. Scan Copy of completely filled registration form can be send by email also. Your participation will be confirmed through email/telephone. There is no registration fee.

Important Dates

Registration Start Date: **25th February, 2019**

Date of the Event: **11th March, 2019**

Last Date of Registration

Seats are limited to 50. It is completely based on First come First Serve basis before **09/03/2019**.

Resource Persons

Dr. B Acharya, Assistant Professor, NIT RAIPUR

Dr. Ajay Singh Raghuvanshi, Assistant Professor, NIT RAIPUR

Target Participants

UG , PG STUDENTS AND RESEARCH SCHOLARS
(CSE/IT/ETC/MCA/EE)