

## Preamble

A substantial fraction of the national growth of the 21st century has been derived from advances in science and technology and their applications in manufacturing, infrastructure, energy, health, environment, information and communication technologies, resource management and many other sectors through mastering the adoption, adaptation and advancement of existing technologies, as well as the creation of new ones. Innovation refers to the full range of changes, large and small, used to achieve desired outcomes and innovation often results from basic research that can lead to ground breaking discoveries and inventions.

The cardinal point of importance of the conference aims at enriching and enhancing the quality of innovation research of the issues at the core of national growth through developments in the sectors of science and technology by managing those applying modern scientific management techniques and conveying them through effective and efficient communication skills. Innovations will be essential in combating the challenges which cause hindrances to National Growth. The proposed conference will put an honest attempt to meet up the expectations of the common people in developing the nation through innovations.

## The Institute

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 again 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 Vivekananda Airport at Raipur, the capital city of Chhattisgarh state.

## The Department

The Department of Electronics & Telecommunication started in year 1986 along with the inception of the Institute. The department offers B.E. (Electronics & Telecommunication), ID. Tech. (Instrumentation & control) and Ph.D. (Electronics & Telecommunication) Courses. The Laboratories are well equipped with modern experimental and computational facilities. The under-graduate course has been accredited thrice by NBA- AICTE. The department has been recognized by the University as the Research Centre in the State for carrying out Ph.D. Programme in Electronics & Telecommunication Engineering.

## Conference Objective

The objective of the Conference is to provide a platform for academicians and developers who are involved in research in the upcoming field of Electronics and Telecommunication along with interdisciplinary areas to contribute and disseminate the innovative and important new work.

This Conference will provide a platform for planners and researchers to acquaint themselves with the latest development by exchanging ideas for research.

## Themes and Sub Themes

The theme of the conference is "Frontiers in Electronics & Telecommunication Engineering".

Topics include but not limited to:

- Embedded System Design.
- Analog/Mixed Circuits and Systems.
- Power Electronics.
- Instrumentation and Control.
- Signal Processing.
- Cognitive Radio.
- Mobile Computing.
- Artificial Intelligence and Neural Network.
- Smart Sensors and Sensor Networks.
- Digital System Design.
- Biomedical Electronics.
- Security and Surveillance.
- IoT.
- MEMS

# BITCON 2018

*Frontiers in Science, Technology &  
Management for National Development*

## NATIONAL CONFERENCE ON Frontiers in Electronics Engineering

*Conducted By*

*Department of Electronics and  
Telecommunication Engineering*

15<sup>th</sup> February 2018

## REGISTRATION FORM

Name : .....  
Designation : .....  
Organization : .....  
Mailing Address : .....  
Mobile : .....  
E-mail : .....  
Phone : .....

## Details of Registration Fees:

DD Drawn on:

Amount (in Rs.):

Demand Draft No. :

Date:

Date:

Place:

Signature of Applicant

The applicant is sponsored for the conference. He/She is permitted to attend the conference.

Date:

Place:

Signature and Seal of  
Sponsoring Authority

## Chief Patrons

<b>Shri Vijay Kumar Gupta</b>	Chairman (Governing Body), BIT Trust
<b>Shri I.P. Mishra</b>	Ex-GM, Bhilai Steel Plant & Member Secretary, BIT Trust

## Patron

<b>Dr. Arun Arora</b>	Principal, BIT, Durg.
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## Co-ordinator

<b>Dr. M.V. Padmavati</b>	Dean (R&D), BIT, Durg.
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## Advisory Committee

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<b>Dr. Tassanee Prueksasit</b>	Professor, Chulalongkorn University, Thailand
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<b>Dr. Manisha Sharma</b>	Dean (Academics), BIT, Durg
<b>Dr. Mohan Gupta</b>	Dean (Infrastructure Development), BIT, Durg
<b>Dr. Santosh Kumar Sar</b>	Dean (Students Welfare), BIT, Durg
<b>Dr. Anup Mishra</b>	Dean (Administration), BIT, Durg

## Coordinating Committee

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<b>Dr. Surekha Bhusnur</b>	<b>Mr. Pawan Patnaik</b>
<b>Dr. Sumita Nair</b>	<b>Mr. Prashant Sahu</b>
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<b>Dr. Naveen Dewangan</b>	<b>Mrs. Monika Verma</b>
<b>Dr. G.C. Biswal</b>	<b>Mr. Hitesh Sharma</b>

## Convener

<b>Dr. Manisha Sharma</b>	Professor & HOD (ETC)
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## Organizing Secretary

<b>Mr. Amar Kumar Dey</b>	Asst. Professor (ETC)
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## Organizing Committee

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<b>Dr. Arun Kumar</b>	
<b>Prof. K. Uma</b>	
<b>Prof. Swati Agrawal</b>	
<b>Prof. Tanuja Kashyap</b>	

## Important Dates

Submission of full length papers	: 25 <sup>th</sup> January 2018
Intimation of acceptance deadline	: 30 <sup>th</sup> January 2018
Receipt of registration fees	: 5 <sup>th</sup> February 2018

## Registration Fees

Research Scholar/PG student	: Rs. 500/-
Faculty Member	: Rs. 800/-
Professional from Industry	: Rs. 1000/-

- All the payments should be made by a crossed Demand Draft in favor of "Bhilai Institute of Technology" payable at "Durg".
- NEFT or at Bank Counter  
**Beneficiary Account Number** : 32471126372  
**Beneficiary Name** : Bhilai Institute of Technology, Durg  
**Bank** : State Bank of India, Sector-10, Bhilai  
**Address** : Alka Departmental Stores, Sector-10, Bhilai (C.G.)  
**IFSC Code** : SBIN0006942  
(No TA/DA will be paid from the Institute)

## Address for Correspondence

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## Eligibility

Academicians, Consulting Engineers, R&D Institutes, Government Departments and Agencies, Private Companies, Research Scholars and P.G. Students.

## Call for Papers

**All accepted papers will be published in UGC indexed Journals.** Prospective authors are requested to submit their full papers in MS Word format by E-mail to the addresses of correspondence. Please find the attached template for further preparation of manuscript at [www.bitdurg.ac.in/bitcon2018](http://www.bitdurg.ac.in/bitcon2018).

# BITCON 2018

*Frontiers in Science, Technology &  
Management for National Development*

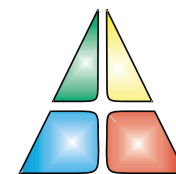
**NATIONAL CONFERENCE  
ON  
Frontiers in Electronics  
Engineering**

**15<sup>th</sup> February 2018**



*Organized By*

***Department of Electronics &  
Telecommunication Engineering***



**ASPIRE TO EXCEL**

**BHILAI INSTITUTE OF TECHNOLOGY, DURG**

(Seth Balkrishan Memorial)

Accredited with 'A' Grade by NAAC

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