

## 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 groundbreaking 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 Computer Science and Engineering has been established in the year 1998. The department offers the undergraduate programme (BE), post graduate programme M.Tech (Computer Networks) and Ph.D. in various areas of specialization. The undergraduate programme of the department has been once again accredited in 2017 by the National Board of Accreditation (NBA). The backbone of the department is quality research, experienced faculty members and latest infrastructure. The vision of the department is to provide cutting edge learning environment and nurture talent to produce world class computer professionals with ethical values who could excel in industry and research. The mission is to promote peace, prosperity and growth in society by producing competent computer professionals with strong ethics, entrepreneurial, continuous learning and research skills through quality teaching learning processes, experienced faculty and latest infrastructure.

## Conference Objective

The objective of I3C 2018 is a prominent multi-disciplinary confluence of researchers, developers and practitioners from academia and industry from all areas of Computer Science and Engineering. Researchers are invited to present and publish the latest developments and technical solutions in the areas of Computing Methods, Networking, System Architectures, High Performance Computing, Software Engineering and cybernetics, etc, to help the computer industry arrive at next generation innovations.

## Themes and Sub Themes

The theme of the conference is "Computation, Communication and Cybernetics". Topics include but not limited to:

- Cryptography
- Software Engineering
- Image Processing
- Pattern Recognition
- Modelling and Simulation
- Robotics
- Networking
- Soft Computing
- Formal Methods
- Forecasting
- Mobile Computing
- Wireless Technology
- Signal Processing
- Parallel Computing
- Cloud Computing
- Automated Verification
- Network Security
- Machine Learning
- Algorithms
- Human Computer Interface
- Network Security
- Enterprise Solutions
- Computational Biology
- Cybernetics
- Big Data Analytics
- Embedded Systems

# BITCON 2018

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

## NATIONAL CONFERENCE ON Innovations in Computation, Communication and Cybernetics (I3C 2018)

*Conducted By  
Department of Computer Science  
and 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. N.P. Dixit</b>	Vice Chancellor, Durg University
<b>Dr. R.P. Dubey</b>	Vice Chancellor, CVRU, Bilaspur
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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

<b>Dr. Manoj Pal</b>	<b>Mr. Vikas Pandey</b>
<b>Dr. Surekha Bhusnur</b>	<b>Mr. Pawan Patnaik</b>
<b>Dr. Sumita Nair</b>	<b>Mr. Prashant Sahu</b>
<b>Dr. Anjana Shekhar</b>	<b>Dr. Sheetal Sharma</b>
<b>Mr. Amit Kumar Biswas</b>	<b>Dr. Anindita Chakraborty</b>
<b>Dr. Naveen Dewangan</b>	<b>Mrs. Monika Verma</b>
<b>Dr. G.C. Biswal</b>	<b>Mr. Hitesh Sharma</b>

### Convener

<b>Dr. M.V. Padmavati</b>	HOD (Computer Science and Engineering)
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### Organizing Secretary

<b>Mr. Sumit Sar</b>	Associate Professor, CSE
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### Organizing Committee

<b>Dr. Ramesh Kumar</b>	<b>Mr. Kaushal Kumar Sinha</b>
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<b>Mr. Sudip Bhattacharya</b>	<b>Mrs. Monika Verma</b>
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<b>Mr. Pawan Patnaik</b>	<b>Mr. Sargam Gupta</b>
<b>Mr. Saurabh Singh</b>	<b>Ms. Swati Dewangan</b>
<b>Mr. Vivek Parghania</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/-

1. All the payments should be made by a crossed Demand Draft in favor of "Bhilai Institute of Technology" payable at "Durg".

2. 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*

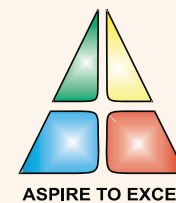
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**BHILAI INSTITUTE OF TECHNOLOGY, DURG**

(Seth Balkrishan Memorial)

Accredited with 'A' Grade by NAAC

NIRF 16-17 RANK-BAND: 151-200

An ISO 9001:2015 CERTIFIED INSTITUTION

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