

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 Computer Applications established in the year 1998, is one of the pioneering departments of the institute that offers Post Graduate programme as Master of Computer Applications (MCA) and also offers Ph.D from the year 2007. Since its inception, the department has richly contributed to the growth of the college in its stature. The Department has been equipped at a fast pace with computer laboratories possessing latest hardware and software facilities, Internet facility, audio-video gadgets, modern teaching aids, excellent faculty and enviable placement opportunities. The highest standards of academic excellence, disciplined behaviour, good etiquettes and active participation in co-curricular and extra-curricular activities help the students to develop a fully integrated personality to face the future with confidence and courage.

The Vision of the Department is to be a Center of Excellence in the field of Computer Applications to produce high caliber competitive software professionals enriched with deep knowledge and expertise in modern technology who can contribute to India and the World through excellence in scientific and technical education and research and can serve as a valuable resource for industry and society.

The Department of Computer Applications has a Multi-objective missions:

- To achieve national/international prominence by preparing post graduate students for productive careers in software industry, academia and government.
- To Facilitate Quality Scientific and technical education, to Equip and Enrich overall development of students for facing Global challenges in Development, Innovation and Application of Technology in the service of Humanity.
- To provide knowledge of wide-ranging Computer Science concepts, tools, and mathematical techniques or models.
- To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

Conference Objective

India has a rich heritage of science and technology. Science, Technology and Management have emerged as major drivers of national development. New leading computer technologies are needed to address the emerging challenges of nation such as economy, agriculture, climate, energy and environment, food and nutrition, water and sanitation, habitat, health care, skill development and unemployment. The conference will provide a common podium for scientists, faculty members, researchers and students to discuss and share their research findings. The discussions in the conference will definitely indicate the new dimensions in science and technology, and motivate the researchers to formulate the new directions of their ongoing and new research projects.

Themes and Sub Themes

Call for papers from National researchers, academicians, practicing engineers and industry leaders from all over India to give them a common podium to present and share their innovative ideas/discoveries/researches etc. in terms of oral as well as poster presentations extremely relevant to the vision of digitization of India. Main theme of the National Conference is "Leading Computer Technologies for Economic-Socio Development of Nation", papers are solicited from, but not limited to the following sub themes:

Data Mining and Warehousing, Cloud Computing, Software Project Management, Software Testing & Quality Assurance, Soft Computing, Mobile Computing, Internet of Things, Image Processing/ Pattern Recognition, Computer Graphics and Computer Vision, E-Commerce, M-Commerce and E-Business, E-Governance, Computer Networks/ Network Security, Machine Learning, Medical/Bio Informatics, Artificial Intelligence and Robotics , Big Data Analytics , Natural Language Processing, ICT in Education, Web Technologies/Services, Social Media, Mobile Application Development, Embedded system, Computer Forensics, Cyber Law and Cyber Security , Visual Networks, Digital security, 5G Mobile Network, Distributed & Parallel Computing.

It is to be noted that these subjects are not limited. The contributors may offer any relevant idea from their research to develop leading computer technologies for economic-socio development of Nation:

BITCON 2018

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

**NATIONAL CONFERENCE
ON
Leading Computer Technologies
for Economic-Socio
Development of Nation**
*Conducted By
Department of Computer
Applications*

15th 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**

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Shri I.P. Mishra	Ex-GM, Bhilai Steel Plant & Member Secretary, BIT Trust

Patron

Dr. Arun Arora	Principal, BIT, Durg.
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Co-ordinator

Dr. M.V. Padmavati	Dean (R&D), BIT, Durg.
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Important Dates

Submission of full length papers	: 25 th January 2018
Intimation of acceptance deadline	: 30 th January 2018
Receipt of registration fees	: 5 th 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.

BITCON 2018

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

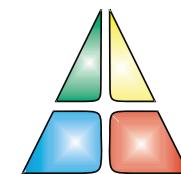
**NATIONAL CONFERENCE
ON
Leading Computer Technologies
for Economic-Socio
Development of Nation**

15th February 2018



Organized By

Department of Computer Applications



ASPIRE TO EXCEL

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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