

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. Five 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 stands in 150-200 NIRF rank - band in the category of Engineering in 2018 rankings. The institute 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.

The Department

The Department of Applied Mathematics in BIT, Durg, since its inception, has strived to be center of excellence in mathematics and computation. The department is vigorously engaged in research, teaching and training supported by highly qualified, trained and dedicated team of faculty and staff. The faculty members are involved in research activity in the areas of Celestial Mechanics, Theory of Relativity, Functional Analysis, Fractal theory, Fuzzy Logic etc. The department has been recognized as research center by Chhattisgarh Swami Vivekanand Technical University Bhilai for offering Ph. D. programme.

Conference Objective

The scientific and technological developments over the past century have widened the range of human knowledge and capabilities to new extremities. However, still there remains an infinity of unknown in all field of science especially mathematics. These challenges have to be addressed by creating opportunities for the interaction among the highly experienced researchers and highly motivated members of the Mathematical Society. Thereby exploring the emerging and also yet unexplored avenues of mathematics requiring solutions in both basic and applied areas

Themes and Sub Themes

The theme of the conference is “ Research Trends in Pure and Applied Mathematics”. Topics include but not be limited to:

- Mathematical Modelling
- Celestial Mechanics
- Theory of Relativity
- Applied Fluid Mechanics
- Applied Functional Analysis
- Fuzzy Logic
- Finite Element Methods
- Computational Numerical Analysis
- Cryptography
- Soft Computational Mathematics

BITCON 2019

Futuristic Trends in Science, Technology & Management for National Development

NATIONAL CONFERENCE ON Research Trends in Pure and Applied Mathematics

*Conducted By
Department of Applied
Mathematics*

1st March 2019

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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Dr. Anil Kumar Dubey	

Important Dates

Submission of full length papers	: 20 th February 2019
Intimation of acceptance deadline	: 20 th February 2019
Receipt of registration fees	: 20 th February 2019

Registration Fees

Research Scholar/PG student	: Rs. 500/-
Faculty Member	: Rs. 800/-
Professional from Industry	: Rs. 1000/-
UG Student	: Rs. 300/-

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 TADA will be paid from the Institute)

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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

Selected papers will be published in 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/bitcon2019.

BITCON 2019

*Futuristic Trends in Science, Technology &
Management for National Development*

**NATIONAL CONFERENCE
ON**

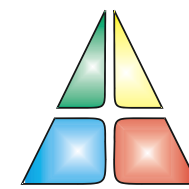
**Research Trends in Pure and
Applied Mathematics**

1st March 2019



Organized By

**Department of Applied
Mathematics**



ASPIRE TO EXCEL

BHILAI INSTITUTE OF TECHNOLOGY, DURG

(Seth Balkrishnan Memorial)

Accredited with 'A' Grade by NAAC

NIRF 17-18 RANK-BAND: 151-200

An ISO 9001:2015 CERTIFIED INSTITUTION

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