

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 Mechanical Engineering Department is Accredited by NBA, has established in 1986 with an aim to develop highly competent human resource in the mechanical Engineering, and to develop an ambience of contemporary learning to produce dedicated professional committed to cater to the growing technological demands of the society thereby contributing towards nation building. To achieve the above vision the Department has mission of Educating, preparing, inspiring and mentoring students to excel as professionals, Constantly updating the departmental resources, Developing qualified faculty, Promoting participation of industries in academics research and consultancy. The department offers undergraduate course in mechanical Engineering and post graduate program in production engineering. The department also offers Ph.D. program to promote research activities. The department is equipped with up-to-date Infrastructure. The emphasis is on making aspirant familiar with theoretical and practical aspects of various field of mechanical engineering. The department has well equipped Central Workshop to develop manufacturing and fabrication skills. Students are trained in specialized facility like CNC, Robot and Advanced Software like PROE, ANSYS, ADAMS, SIMUL@8 etc. The testing and consultancy services in the divers field of mechanical engineering are carried pout for various organizations.

Conference Objective

Conference Objective: The conference is dedicated to the latest advancements in mechanical engineering. The Goal of this conference is to provide a platform for scientist and academicians all over the country to promote, share and discuss various new issues and developments in different areas of Mechanical Engineering.

It is peer-reviewed conference, aims to provide the most complete and reliable source of information on current developments in the field of mechanical engineering. The emphasis will be on publishing quality papers rapidly and available to researchers world wide

Themes and Sub Themes

The theme of the conference hosted by department Mechanical Engineering would be "Frontiers in Mechanical Engineering for national development in tune with the main theme Frontiers in Science, Technology and Management for National Development but not limited to:

- Macro and Micro Heat Transfer
- Air Conditioning Refrigeration
- New and Renewable Energy
- Fluid Mechanics and Fluid Machinery
- Developing Sustainability indicators
- Robots and New Technology concept
- Development in Aerospace and Automobile Engg.
- Product Sustainability
- Welding Technology
- Rheology
- Cryogenic
- Advanced Manufacturing Technics
- Quality Management
- CAD/CAM/CAE
- Green Manufacturing and Supply Chain Management.

BITCON 2018

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

NATIONAL CONFERENCE ON Frontiers in Mechanical Engineering

*Conducted By
Department of
Mechanical Engineering*

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**

Chief Patrons

Shri Vijay Kumar Gupta	Chairman (Governing Body), BIT Trust
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. K.K. Ghosh	Professor, RSU Raipur
Dr. S.P.S. Rajpoot	Professor, MNIT Bhopal
Dr. G.V.V. Sharma	Professor, IIT Hyderabad
Dr. Deepak Garg	Professor, Bennett University, Noida
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Dr. Mohan Gupta	Dean (Infrastructure Development), BIT, Durg
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Dr. Anup Mishra	Dean (Administration), BIT, Durg

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Organizing Secretary

Dr. Mukesh Dubey	Associate Professor
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Mr. P.S. Sahu	Mr. Manoj Sao

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.

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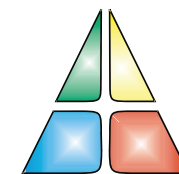
*Frontiers in Science, Technology &
Management for National Development*

NATIONAL CONFERENCE ON Frontiers in Mechanical Engineering

15th February 2018



*Organized By
Department of
Mechanical Engineering*



ASPIRE TO EXCEL

BHILAI INSTITUTE OF TECHNOLOGY, DURG

(Seth Balkrishan Memorial)

Accredited with 'A' Grade by NAAC

NIRF 16-17 RANK-BAND: 151-200

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