

Preamble

At the moment, Corona virus (Covid-19) is throwing new challenges to scientific community. This global pandemic has brought Nations together to find a solution. New solutions are coming up continuously to combat the current challenges. In this situation BIT, Durg stands strong with the institute Motto “Aspire to Excel”.

The streamed conference is the need of present situation with the cardinal point of importance of the conference aiming at exploring New Horizons in Science, Technology and Management to Combat Current Challenges through innovative research. 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. This will be essential in combating the ongoing challenges which cause hindrances to National Growth.

The proposed online conference will make an honest attempt to meet up the expectations and may become a viable option to take a way forward towards “ATMA NIRBHAR BHARAT”.

The Institute

Bhilai Institute of Technology initiated by notable stalwarts of central India in 1986 with a vision to become one of the Premier Technical and Management Educational Institutions in the Country, delivering excellent professional education, creating value based, globally competitive professionals and achieving excellence in all our endeavors.

BIT campus has a conducive and supportive academic ambience facilitating high quality education and research for more than 4000 students of bachelors, masters and doctoral programs. BIT, Durg is the first technical institute in the state to be conferred Autonomous Status by UGC, Government of India. Seven of its undergraduate programs have been accredited by NBA and the institute itself has been “A” grade accreditation by NAAC. The institute stands in NIRF 2020 Rank-band: 251-300 in the category of Engineering. Under AICTE Margdarshan Scheme, the institute is mentoring ten technical institutions to encourage best practices.

The Department

The Department of Electronics & Telecommunication started in year 1986 along with the inception of the Institute. The department offers B. Tech. (Electronics & Telecommunication), M. Tech. (Instrumentation & control), Ph.D. (Electronics & Telecommunication) and B. Voc (Electronics Manufacturing Services) Courses. The Laboratories are well equipped with modern experimental and computational facilities. The under-graduate course has been accredited thrice by NBA. 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

This conference aims to explore growing advancements in the fields of Electronics and Telecommunication and provides a common platform to leading scientists, academicians, researchers, government officials, practicing engineers, industry professionals and students to acquaint themselves with the latest development by exchanging ideas for research. Participants are invited to submit their research/review papers and case studies in the field of Electronics and Telecommunication.

Themes and Sub Themes

- ❖ Embedded System Design.
- ❖ Analog/Mixed Circuits and Systems.
- ❖ IOT.
- ❖ MEMS.
- ❖ VLSI Design.
- ❖ 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.
- ❖ Impact of COVID-19 on the Electronic Industries.
- ❖ Optics and Photonics.

BITCON 2020

New Horizons in Science, Engineering and Management to Combat Current Challenges

**NATIONAL CONFERENCE
ON**

New Horizons in Electronics Engineering to Combat Current Challenges

*Conducted By
Department of Electronics
and Telecommunication Engineering*

20TH November 2020

REGISTRATION FORM

Name :
Designation :
Organization :
Mailing Address :
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

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Co-ordinator

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

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Dr.N. K. Dewangan *Professor&HOD (ETC)*

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Prof. R. M. Potdar and Prof. Swati Agrawal

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Prof. Suchitra Pandey	

Important Dates

Submission of full length papers : 31st October 2020
Intimation of acceptance deadline : 07th November 2020
Receipt of registration fees : 15th November 2020

Registration Fees

Research Scholar/PG student : Rs. 500
Faculty Member : Rs. 800
Professional from Industry : Rs. 1000
UG Student : Rs. 200

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

Selected 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/bitcon2020.

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*New Horizons in Science, Engineering and Management to
Combat Current Challenges*

**NATIONAL CONFERENCE
ON**

**New Horizons in Electronics Engineering to Combat
Current Challenges**

20th November 2020



Organized By

**Department of Electronics
& Telecommunication Engineering**



ASPIRE TO EXCEL

BHILAI INSTITUTE OF TECHNOLOGY, DURG

(Seth Balkrishan Memorial)

BHILAI HOUSE, DURG 491001 (C.G.) INDIA

1st Autonomous Technical Institution in Chhattisgarh

Accredited with 'A' Grade by NAAC

NIRF 2020 RANK-BAND: 251-300

Website: <http://www.bitdurg.ac.in/>

Phone: (0788) 2359297

Conference Website: <http://www.bitdurg.ac.in/bitcon2020>

