

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 was established right at the inception of the Institute in 1986 and is NBA accredited since 2005. It offers a vibrant environment for undergraduate, postgraduate education and research in Electrical Engineering. Faculty members along with their research scholars and students are involved in various research activities. The major areas of faculty expertise includes Control Systems and Computing, Power Systems, High Voltage Engineering, Electrical Machines and Drives, Power Electronics, Instrumentation, Digital Signal Processing, Communication Systems and Optimization. It is well equipped with modern laboratory facilities and balanced emphasis is laid on both theory and experimental work

Conference Objective

The conference aims to provide a platform for researchers, academicians, scientists, industrial practitioners and students to exchange and share their research accomplishments, achievements and new ideas on the contemporary and emerging trends in the field of Sustainable Energy Research and Applications. The event will provide a forum for the exchange of knowledge, expertise and experience; and the absorption of these ideas in academic curriculum and industrial practices. It is therefore intended to assist researchers, scientists, manufacturers, companies, communities, agencies, associations and societies to keep abreast on new developments in their specialities and to unite in finding alternative energy solutions to current issues such as the greenhouse effect, sustainable and clean energy issues.

Themes and Sub Themes

- ❖ Smart Sensing technique
- ❖ New trends and Technologies in Energy Management
- ❖ Control Techniques for Renewable Energy Systems
- ❖ Energy Transformation from Renewable Energy System to Grid
- ❖ Power Devices and Driving Circuits
- ❖ Smart Grid and Sustainable Energy
- ❖ Sustainable Energy Research and Applications for Industries
- ❖ Trends and Challenges Energy for Electrical Vehicles and Components
- ❖ Special Intelligence Computational Methods for Sustainable Energies and Applications
- ❖ Renewable Energy Systems and new perspectives

BITCON 2020

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

**NATIONAL CONFERENCE
ON
New Horizons in Electrical Engineering to
Combat Current Challenges**

*Conducted By
Department of Electrical 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

Dr. Arun Arora *Principal, BIT, Durg.*

Co-ordinator

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

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Dr. Mohan Gupta	Dean (Infrastructure Development), BIT, Durg
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Ms. Uma P. Balaraj	

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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20th November 2020



Organized By

Department of Electrical Engineering



ASPIRE TO EXCEL

BHILAI INSTITUTE OF TECHNOLOGY, DURG

(Seth Balkrishnan 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>



ALL UG COURSES



NAAC "A" GRADE



RANK BAND 251-300
2020



ISO 9001:2015

