

Preamble

National Education Policy (NEP) 2020 aims at innovative and multidisciplinary learning. AICTE is establishing IDEA LAB in different institutions across India to increase multidisciplinary approach among faculty and students. As a common facility embedded in the institution, the IDEA Lab will make students, faculty and researchers more imaginative and creative, besides getting basic training in the 21st-century skills like- critical thinking, problem-solving, research, collaboration, communication, lifelong learning, etc. The IDEA Lab also intends to encourage teachers to conduct “multidisciplinary education and research” emphasized in the NEP 2020.

Being the part of IDEA lab initiative by AICTE, this online conference is aiming at exploring MULTIDISCIPLINARY RESEARCH IDEAS IN SCIENCE, ENGINEERING AND MANAGEMENT through innovative research.

The Institute

Bhilai Institute of Technology, Durg is 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. BIT, Durg is selected by AICTE to establish IDEA Lab in 2021. BIT, Durg is introducing two new under graduate courses B. Tech (CSE) in Data Science and B. Tech (CSE) in Artificial Intelligence from the academic session 2021-22.

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 include 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 multidisciplinary 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 multidisciplinary research applications and to unite in solutions of current issues related to Electrical Engineering.

Themes and Sub Themes

- Smart Sensing technique.
- Simulation and computational techniques in Engineering Research
- IOT
- PLC and instrumentation
- Bio-Medical Instrumentation and Systems Signal Processing
- 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.
- Renewable Energy Systems and new perspectives.
- Industrial Process Control and automation

BITCON 2021

*Multidisciplinary Research Ideas in Science,
Engineering and Management*

**NATIONAL CONFERENCE
ON**

**Multidisciplinary Research Applications In
Electrical Engineering**

*Conducted By
Department of Electrical Engineering*

22nd & 23rd October 2021

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*

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Dr (Mrs) Supriya Tripathi

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Important Dates

Submission of full length papers : **1st OCTOBER 2021**
Intimation of acceptance deadline : **7th OCTOBER 2021**
Receipt of registration fees : **15th OCTOBER 2021**

Registration Fees

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

Participation certificate will be issued only to registered candidates.

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, P.G.. and U.G. Students.

Call for Papers

The template for preparation of manuscript for BITCON 2021 is available at www.bitdurg.ac.in/BITCON. Papers in proper format and with plagiarism similarity score not more than 35% will only be included in the BITCON 2021 proceedings.

Selected papers with plagiarism similarity score not more than 10% will be sent for publication in reputed journals. Such manuscripts may have to be revised, initially as per the format of the journal and later as per reviewer comments (if any).

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Department of Electrical 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

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