

## 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 of Electronics & Telecommunication started in year 1986 along with the inception of the Institute. The department offers B. Tech. (Electronics & Telecommunication Engineering), 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- AICTE. The department has been recognized by the University as the Research Centre in the State for carrying out Ph.D. programme in Electronics & Telecommunication.

## Conference Objective

This conference aims to explore growing advancements in the fields of Electronics 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.

## Themes and Sub Themes

- ❖ 5G Wireless Communications.
- ❖ Embedded System Design.
- ❖ Microelectronics, Circuits and Systems.
- ❖ Low Power VLSI Circuits.
- ❖ Remote Sensing.
- ❖ Advanced VLSI Systems.
- ❖ Mobile and Optical Networks.
- ❖ IOT.
- ❖ MEMS.
- ❖ Power Electronics.
- ❖ Control Theory and Optimization.
- ❖ Modelling and Simulation.
- ❖ Signal and Image 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 2021

*Multidisciplinary Research Ideas in Science, Engineering and Management*

**NATIONAL CONFERENCE  
ON**

**Multidisciplinary Research Ideas and Advances  
in Electronics Engineering**

*Conducted By*

*Department of Electronics  
& Telecommunication Engineering*

**22<sup>ND</sup> & 23<sup>RD</sup> 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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**Dr. M.V. Padmavati** *Dean (R&D), BIT, Durg.*

## Co-coordinator

**Dr. Pawan Patnaik** *Associate Professor, BIT, Durg.*

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## Convener

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

## Organizing Secretary

**Prof. Suchitra Pandey** Assistant Professor

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**Prof. Swati Agrawal**  
**Dr. Amar Kumar Dey**

## Important Dates

Submission of full length papers : 1<sup>st</sup> OCTOBER 2021  
Intimation of acceptance deadline : 07<sup>th</sup> OCTOBER 2021  
Receipt of registration fees : 15<sup>th</sup> 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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Assistant Professor

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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](http://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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## NATIONAL CONFERENCE ON

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ASPIRE TO EXCEL

**BHILAI INSTITUTE OF TECHNOLOGY, DURG**

(Seth Balkrishan Memorial)

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

1<sup>st</sup> 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) 2359424

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

