

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 Applied Mathematics has been carrying out the task of imparting instructions in Mathematics courses in first & second year for B. Tech with a commendable gest. Along with these basic instructions, effort has been put in so that students are more capable in handling competitive exams. The department also teaches the subjects of Mathematics at the Post Graduate level like MBA, MCA and MTech programs of the Institute. Highly qualified and dedicated Faculties with reputation for high quality teaching is the good will of the department.

The department has been recognized as a Research Center for carrying out Ph.D. Programme. R&D activities under the following topics: Fixed point theory, Celestial Mechanics, General Theory of Relativity, Fuzzy Logic & Operator Theory etc., are undertaken. The faculty members are also engaged in interdisciplinary research activities. The department has a very good number of publications in the form of research papers in International and National Journal of repute and books to its credit.

Conference Objective

The scientific and technological developments over the past century have widened the range of human knowledge and capabilities to new extremities. However, still there remains an infinity of unknown in all the field of science especially mathematics. Moreover, a need for a fresh point of view is felt in present situation. These challenges have to be addressed by creating opportunities for the interaction among the highly experienced researchers and highly motivated members of the Mathematical society. There by exploring the emerging and also yet unexplored avenues of mathematics requiring solutions in both basic and applied areas.

Themes and Sub Themes

Call for papers to present and publish their innovative ideas/discoveries/ researches etc. in terms of oral presentations extremely relevant to the objective.

The contributors may be from the following Subjects:

- ❖ Functional Analysis and Applications
- ❖ Celestial Mechanics
- ❖ Queuing Theory
- ❖ Fuzzy Logic, Game theory and Algebra
- ❖ Theory of Relativity
- ❖ Fluid Mechanics
- ❖ Mathematical Modeling
- ❖ Computational Numerical Analysis
- ❖ Cryptography
- ❖ Finite Element Methods

BITCON 2021

*Multidisciplinary Research Ideas in Science,
Engineering and Management*

**NATIONAL CONFERENCE
ON**

***A Multidisciplinary Approach to Research
in Mathematics***

*Conducted By
Department of Applied Mathematics*

22nd and 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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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)

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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

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).

BITCON 2021

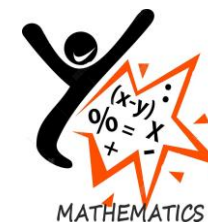
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MATHEMATICS

Organized By

Department of Applied Mathematics



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/>

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ALL UG COURSES



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