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 Computer Science and Engineering was established in 1998. As on date, the department steers itself with a Vision to provide cutting edge learning environment and nurture talent to produce world class computer professionals with ethical values who could excel in industry and research. The prime educational objective is spreading engineering ethics, domain prospects, diversification and self-sustained learning environment among budding compu-technocrats. The department offers two under-graduate courses: B.Tech(Computer Sc. and Engineering) and B. Vocational Training (Software Development); two post-graduate courses: M.Tech (Computer Networks) and M.Tech(Data Science) as well as doctoral courses in major and allied specializations of the discipline. The backbone of the department is reflected by at-par-quality research of international and national reputes, experienced teaching fraternity and latest infrastructure sufficing the flagship of the excelling department in all endeavours. The B.Tech(CSE) program of the department is accredited by the National Board of Accreditation (NBA) for third time till 30.06.2023.

Conference Objective

The objective of this conference **Innovations in Computation, Communication, Cybernetics and to Combat Current Challenges (I6C) 2020** is to provide a national forum for portraying research highlights by various prominent researcher-cum-academicians, software and hardware developers, software practitioners-cum-maintenance professionals from all the learning centres and industry arenas, country wide. As the event attempts to capture attention from diversified computing domains, manuscripts are invited to present un-published works on the latest and or innovative developments, technical and or commercial solutions under broad domains of computing techniques, networking and administration, system architectures, software and hardware simulation, software development, engineering, management, security, automated intelligent systems design and last but not the least on how to combat current challenges.

Themes and Sub Themes

- Cryptography and Network Security
- Software Engineering
- Image Processing
- Pattern Recognition
- Modelling and Simulation
- Robotics
- Networking
- Soft Computing
- Formal Methods
- Forecasting
- Mobile Computing
- Wireless Technology
- Signal Processing
- Parallel Computing
- Cloud Computing
- Automated Verification
- Machine Learning
- Algorithms
- Human Computer Interface
- Network Security
- Enterprise Solutions
- Computational Biology
- Cybernetics
- Big Data Analytics
- Embedded Systems
- Covid19 Challenges
- Real-time Challenges

BITCON 2020

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

NATIONAL CONFERENCE ON

Innovations in Computation, Communication, Cybernetics and to Combat Current Challenges (I6C) 2020

Conducted By
Department of Computer Science and Engineering

20ᵀᴴ November 2020

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Name : …………………………….
Designation : …………………………….
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Details of Registration Fees:
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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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Co-ordinator

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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

Mr. Shankha De

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Bhilai Institute of Technology, Bhilai House, Durg
Chhattisgarh, Pin: 491001

Mobile: **9993260767**

Email: bitcon2020cse@gmail.com

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.

BITCON 2020

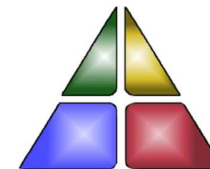*New Horizons in Science, Engineering and Management to Combat Current Challenges*

NATIONAL CONFERENCE ON

Innovations in Computation, Communication, Cybernetics and to Combat Current Challenges (I6C) 2020

20TH November 2020

Computer Science & Engineering

Organized By

Department of Computer Science and Engineering

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