

## ABOUT THE INSTITUTE

Christian College of Engineering and Technology (CCET) was established by Late Lamented Bishop H.G. Dr. Stephanos Mar Theodosius in 1998. It has a world-class campus with lush green and well-manicured lawns spread all around and peaceful atmosphere which provides an ideal setting for an intensive learning experience. It is approved by All India Council for Technical Education (AICTE) and affiliated to Chhattisgarh Swami Vivekananda Technical University (CSVTU), Bhilai (C.G.). It offers four years UG courses in Mechanical Engineering, Computer Science & Engineering, Electronics & Telecommunication Engineering, Electrical Engineering; and two years PG courses in CAD/CAM & Robotics in Mechanical Engineering, Nanotechnology in Electronics & Telecommunication Engineering and High Voltage in Electrical Engineering. The institute always endeavors to be in research, training, collaborations & projects and for opening more avenues for training and employment of its students.

## ABOUT THE INSTITUTE

CCET is located at Bhilai, a compact industrial township in the Indian state of Chhattisgarh. The area surrounding Bhilai is vibrant hub of heavy engineering and cement manufacturing units, and Bhilai itself is perhaps best known for the Steel Authority of India Limited – Bhilai Steel Plant, one of the world's premier integrated steel manufacturing units. Bhilai is extremely well connected to all parts of India by Rail network, and the nearest Airport is at a distance of merely 40 Kms in Raipur, the capital of Chhattisgarh State. Historically Bhilai has been known for a very cosmopolitan makeup of population allowing students from any part of the country to blend in comfortably into its cultural & social backdrop and also known for its good academic environment and excellent schools and colleges.

## THE CONFERENCE: ARSET-2022

Since 2002, CCET is organizing TECHNOLOGIA, a national level conference for enriching knowledge amongst the students, researchers and professionals for the betterment of the society. This year also CCET is organizing TECHNOLOGIA 2022, a two day National Conference on “Advanced Research in Science, Engineering and Technology (ARSET-2022)” which aims to provide an opportunity for Scientists, Researchers, Faculty Members, Research Scholars, Post Graduate Students, Under Graduate Students from various technical institutions, research organizations and industries to exchange their research and development work, recognize research area and prospects in all aspects of General Science and Engineering. It will provide a common virtual platform to actively engage in research discussions and create opportunities for the next generation workforce to develop their professional skills. The conference aims at consolidating the research findings in the specialized areas and facilitate transfer of these findings into possible prototypes and products which will enhance the quality of life. ARSET-2022 will cover a wide range of interdisciplinary and current advanced research topics related to General Science, Mechanical, Computer and Electrical & Electronics Engineering. The Conference will also include keynote sessions of renowned speakers. There will be awards for best oral paper presentation for research scholars.

### IMPORTANT DATES

Submission Started	: 07/03/2022
Submission Deadline	: <del>08/05/2022</del> 30/05/2022
Acceptance Notification	: <del>22/05/2022</del> 02/06/2022
Registration	: 30/05/2022
Camera Ready Submission	: 30/05/2022
Conference	: 08-09/06/2022

### PAPER SUBMISSION

Full length paper must be submitted through the following EasyChair link –

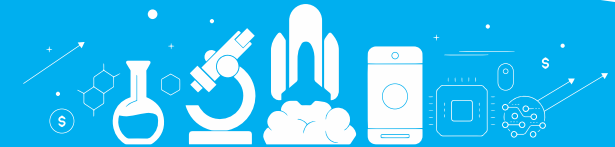
<https://easychair.org/conferences/?conf=arset2022technologia>



**CHRISTIAN**  
COLLEGE of ENGINEERING  
& TECHNOLOGY

Approved by AICTE, Affiliated to CSVTU, Bhilai

[www.ccetbhilai.ac.in](http://www.ccetbhilai.ac.in)



**Technologia**  
2022

NATIONAL VIRTUAL CONFERENCE ON  
ADVANCED RESEARCH IN SCIENCE,  
ENGINEERING AND TECHNOLOGY  
(ARSET-2022)

8<sup>TH</sup> & 9<sup>TH</sup> JUNE, 2022

ORGANIZED BY

**CCET**

KAILASH NAGAR, INDUSTRIAL ESTATE, MP HOUSING BOARD,  
BHILAI, CHHATTISGARH 490026



## CALL FOR PAPER

Topics including but not limited to the following:

### General Science

- Applications of Computation as a Scientific Paradigm
- Advanced Chemistry
- Mathematical Modeling
- Computational Physics
- Quantum Computation

### Mechanical Engineering

- Design and Manufacturing Engineering
- Materials Science and Engineering
- Mechatronics and Automation
- Industrial and Systems Engineering
- Automobile Engineering
- Production and Industrial Engineering

### Electrical & Electronics Engineering

- Electric Drives and Control
- Power Generation, Transmission and Distribution
- Renewable Power Generation and its Efficient Utilization
- Energy Systems, Smart Grids and Power Electronics
- Communication, Networking and Signal Processing
- System, Control and Robotics
- Advanced VLSI & Embedded System
- Electromagnetic and Analog/RF/Biomedical Circuits
- Internet of Things

### Computer Science and Applications

- Software Engineering
- Computer Applications
- Computer Networks
- Algorithms and data structures
- Theoretical computer science and algebra
- Artificial Intelligence & Machine Learning

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. Joseph Mar Dionysius**

Chairman, CCET, Bhilai

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**Dr. (Mrs.) Dipali Soren**

Principal, CCET

### CONVENER

**Dr. Radheshyam H. Gajghat**

Professor, Dept. of Mech. Engg., CCET

### CO-CONVENER

**Mrs. Shikha Agrawal**

Asst. Professor, Dept. of Comp. Sci. & Engg., CCET

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Associate Professor, Dept. of Mathematics, CCET

**Dr. Avinash Kumar**

Associate Professor & HOD, Dept. of Electrical Engg., CCET

### CONTACT PERSONS

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## GENERAL GUIDELINES

- All papers will be accepted through a double blind review process. Plagiarism should not be more than 20%.
- All accepted papers will be published in various indexed journals with ISSN Number.
- Each Paper will be assigned Digital Object Identifier (DOI) number from Cross Ref.
- The entire programme will be conducted through online mode. The details of online platform and meeting link will be communicated to the selected participants through their registered email.
- One of the authors from accepted paper is mandatory to register and present paper in online conference.

### REGISTRATION

Registration of participants should be made by the aforementioned date by remitting the registration fees as indicated below along with duly filled online registration form (Registration link will be provided through the mail).

UG/PG Students/Research Scholars	: Rs. 800/-
Faculty Members	: Rs. 1000/-
Industry Persons	: Rs. 1200/-

### PAYMENT DETAILS

Payment to be made through State Bank Collect.

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

### INVITED SPEAKERS

**Dr. Mukul Shukla**

Professor, Dept. of Mech. Engg.

Motilal Nehru National Institute of Technology, Allahabad, Prayagraj

**Dr. Sitendra Tamrakar**

Associate Professor, Dept. of Comp. Sc. & Engg.

Nalla Malla Reddy Engineering College, Hyderabad