

National Conference on
Computer Applications in Education & Research for Science &
Technology: Developments and Prospects
[CAERST-2017]
on
December 8 – 9, 2017



Organized by
Department of Computer Applications
National Institute of Technology – Raipur
Chhattisgarh, INDIA, 492010
(An Institute of National Importance)

ABOUT THE CONFERENCE

The conference aims at providing a platform for researchers, academicians, scholars, industrialist from the various parts of country to explore the vast developments and potential application of computers & digital technology in the research & education of Science and Technology. The conference showcases keynote lectures from eminent researchers of vast experience. Department of Computer Applications, National Institute of Technology – Raipur (CG) is organizing the National Conference on “**Computer Applications in Education & Research for Science & Technology: Developments and Prospects**” at NIT Raipur (CG) on December 8 - 9, 2017.

TECHNICAL TRACKS & PUBLICATIONS

The conference aims to be a platform for reporting the developments and prospects of computer application in education & research in science and technology. The overall themes of the conference are classified into the following tracks:

- [1] Track 1: Computer Applications in Education & Training in Science and Technology.
- [2] Track 2: Computer Applications in Applied Research in Science and Technology.
- [3] Track 3: Innovative ideas related to Computer based trainers, tutorials, online examinations, online video lectures etc.

All selected papers will be published in internationally known proceedings with ISBN no. in the form of book chapters.

IMPORTANT DATES

Events	Dates
Manuscript Submission	28 th November 2017
Communication of reviews & Notification of acceptance	30 th November 2017
Submission of Camera ready manuscript	5 th December 2017
Date of conference	December 8 – 9, 2017
Submission of final manuscript (for publication) Along with anti plagiarism report	10 th December 2017

***** For any queries related to submission mode and dates participants may contact at;***

Organizing secretary (Technical & Publication)

***Dr. Satish Kumar Dewangan; Assistant Professor; Department of Mechanical Engineering.
skdewangan.amech@nitrr.ac.in; Contact No: 94060-75050***

REGISTRATION FEE

Registration fee includes conference kit containing one electronic copy of the conference proceedings. It also includes plenary, poster/oral sessions, publications charges and lunch for the participants. Registration fees do not include hotel accommodations & transportation expenses.

S.N.	Class	Fee (INR)
1	Individual delegates from Industry/R&D Organization	Rs 1500/-
2	Individual delegates from Academic Institute	Rs 1000/-
3	Students/Research Scholars	Rs 800/-

Registration fee can be paid either in the form of DD or online bank transfer (**Preferred**). Please find the details for Registration fee payment as below:

(a) Demand Draft must be drawn in favor of “Director, National Institute of Technology Raipur” payable at Raipur.

(b) Online Bank Transfer Details:

Account Name: Director NIT Raipur; Account No.: 30054181310; Account Type: Saving; Bank Name: State Bank of India, Raipur; Branch: G.C.E.T. Raipur; Branch Code: 02852; IFSC Code: SBIN0002852; Swift code: SBININBB646Bank Address: G.E. Road, Raipur – 492010 (C.G.)

Please submit duly filled form with signature and stamp of sanctioning authority and mail to caerst2017@gmail.com. Scanned copy of DD/Proof of online payment is required at the time of registration.

CONFERENCE VENUE

Department of Computer Applications

National Institute of Technology Raipur (CG)

G.E. Road, Raipur (CG) INDIA, 492010.

MANUSCRIPT SUBMISSION Email ID:

caerst2017@gmail.com

info.caerst2017@gmail.com

CONFERENCE ORGANIZERS

Chief Patron:

Dr. A. M. Rawani, Director, NIT Raipur (CG)

Patron:

Dr. S. Sanyal, Dean (R&C), NIT Raipur (CG)

Chairman:

Dr. (Ku.) Shobha Lata Sinha, Professor (Mech. Engg.), NIT Raipur (CG)

Organizing Secretary:

[1] Prof. Harendra Bikrol, Head & Associate Professor (Department of Computer Applications), NIT Raipur (CG)

[2] Dr. Satish Kumar Dewangan, Assistant Professor (Mech. Engg.), NIT Raipur (CG)

Organizing Committee:

1. Dr. Mithilesh Atulkar, Associate Professor (Department of Computer Applications), NIT Raipur (CG)
2. Dr. R K Yadav, Associate Proessor (Mech. Engg.), NIT Raipur (CG)
3. Dr. Mitul Kumar Ahirwal, Assistant Professor (Department of Computer Applications), NIT Raipur (CG)
4. Dr. Shyam Sundar, Assistant Professor (Department of Computer Applications), NIT Raipur (CG)
5. Dr. Tanmoy Kanti Das, Assistant Professor (Department of Computer Applications), NIT Raipur (CG)
6. Mr. C. M. Anish, Contract faculty, (Department of Computer Applications), NIT Raipur (CG)
7. Mr. Rajesh singh, Contract faculty, (Department of Computer Applications), NIT Raipur (CG)
8. Mr. Shashikant Verma, Research Scholar (Mech. Engg.), NIT Raipur (CG)
9. Mrs. Yogita Weiky, Research Scholar (Mech. Engg.), NIT Raipur (CG)
10. Mr. Vivek Deshmukh, PG Scholar (Mech. Engg.), NIT Raipur (CG)
11. Miss, Jyoti Pandey, PG Scholar (Mech. Engg.), NIT Raipur (CG)

Advisory Committee:

- [1] Dr. Sanjeeve Sanghi, Professor & Dean, IIT Delhi.
- [2] Dr. Manish Kumar Mishra, Associate Professor (Mech. Engg.), IIT – Roorkee.
- [3] Dr. D. K. Chandraker, Scientist - J, BARC, Mumbai.
- [4] Dr. Devenrda Sakhare, Senior Scientist, CSIR - Central Institute of Mining & Fuel Research, Nagpur.
- [5] Dr. R. K. Pateriya, Associate Professor (Department of CSE), NIT Raipur

Editorial Board:

- [1] Mr. Kapil nagwashi , Assocaie Professor (CS), /rcet – bhilai
- [2] Dr. Tikendra Nath Verma, Assistat Professor (Mech. Engg.), NIT Manipur
- [3] Dr. Pankaj Kumar Gupta, Associate Professor (Mech. Engg.), CSIT Durg
- [4] S B Thool, Associate Professor (Mech. Engg.) Mumbai
- [5] Ravi Kiran , Bhopal
- [6] Dr. Mitul Kumar Ahirwal, Assistant Professor (Department of Computer Applications), NIT Raipur (CG)
- [7] Dr. Shyam Sundar, Assistant Professor (Department of Computer Applications), NIT Raipur (CG)

Address for Correspondence

Organizing secretary (Administration) Prof. Harendra Bikrol Associate Professor & Head Department of Computer Applications	Organizing secretary (Technical & Publication) Dr. Satish Kumar Dewangan Assistant Professor Department of Mechanical Engineering skdewangan.amech@nitrr.ac.in Contact No: 94060-75050
Conference Chairman Dr. Shobha Lata Sinha, Professor (Mech. Engg.), NIT Raipur (CG) slsinha.mech@nitrr.ac.in ; Contact No : 98263-15780	

ABOUT THE NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR

The Institute is situated in the capital of Chhattisgarh, has proven to be 'avant-grade' in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. the institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

ABOUT DEPARTMENT OF COMPUTER APPLICATIONS

The Department of Computer Applications at National Institute of Technology Raipur imparts quality education through the best possible post-graduate educational programs in the field of computer applications in order to meet the needs of professional societies, the community, and the nation; providing a conducive environment for research. The Department of Computer Applications has mission to provide best possible education that would help in developing students with the strong and technical backgrounds needed to achieve excellence in the field of computer applications. Department is dedicated to prepare professionals who provide leadership and exemplary educational and technical services to improve the lives of individuals in a global changing and complex society.

Department of Computer Applications (MCA) is established in the year 1986 in the erstwhile Government Engineering College Raipur with an intake of 30 students. Later on in the year 2000 after the formation of state of Chhattisgarh the intake is increased to 60. In the year 2005 on the up gradation of the Institute the Department is now known as Department of Computer Applications National Institute of Technology Raipur. Induction to MCA Program is through national level entrance examination i.e. NIMCET (National Institutes Master of Computer Applications Entrance Test) conducted by one of the participating NITs. Presently there are 11 participating NITs in this entrance test. This provides opportunity to all the participants of entire India to join MCA Program. Later on in the year 2011 the Department started Ph. D research Program in the field of Computer Applications. The Department is rich in terms of faculty, laboratory/classroom facility and campus placement.

REGISTRATION FORM
National Conference
on
Computer Applications in Education & Research for Science & Technology: Developments
and Prospects (CAERST-2017)
December 8-9, 2017

Title of the research paper:

Name of the Author(s):

Corresponding Author:

Designation:

Organization:

Qualification:

Correspondence Address:

Mobile:

E-Mail:

Registration Fee (Amount in INR):

Bank transfer ID	DD Details (No.)
Amount	Amount
Date	Date
Name of the Bank (with IFSC code)	Name of the Bank (with IFSC code)

Accommodation Required: Yes / No

Date:

Place:

Signature

Note:

Registration fee can be paid either in the form of DD or online bank transfer (***Preferred***). Please find the details for Registration fee payment as below:

(c) Demand Draft must be drawn in favor of “Director, National Institute of Technology Raipur” payable at Raipur.

(d) Online Bank Transfer Details:

Account Name: Director NIT Raipur; Account No.: 30054181310; Account Type: Saving; Bank Name: State Bank of India, Raipur; Branch: G.C.E.T. Raipur; Branch Code: 02852; IFSC Code: SBIN0002852; Swift code: SBININBB646 Bank Address: G.E. Road, Raipur – 492010 (C.G.)

Please submit duly filled form with signature and stamp of sanctioning authority and mail to caerst2017@gmail.com.

Scanned copy of DD/Proof of online payment is required at the time of registration.