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### Contact us:

#### Convener NCRAST-2016

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## TEQIP-II Sponsored National Conference on Recent Advances in Science & Technology

# NCRAST-2016

27-29 September, 2016



Venue: Swami Vivekananda Auditorium,  
Central Block

Heritage Institute of Technology, Kolkata

Email: [ncrast@heritageit.edu](mailto:ncrast@heritageit.edu)



**Heritage Institute of Technology**  
994, Madurdaha, Chowbagha Road,  
Anandapur, Kolkata-700107, West Bengal

## ABOUT THE CONFERENCE

**National Conference on Recent Advances in Science & Technology (NCRAS-2016)** is going to be organized by the Heritage Institute of Technology, Kolkata. The primary goal of the conference is to promote research and developmental activities in the recent advances in science & technology. This conference promises enormous potential to stimulate educational opportunities to the researchers, academicians, industry professionals, and post-graduate students. It is a common platform for the educators to interact with their peers, share knowledge and ideas. It also offers valuable technical resources to support professional learning for educators and education leaders. The three-day conference comprises keynote speeches, panel discussions, plenary speeches, and paper presentations in different sessions. It also provides the participants with the prospect of getting acquainted with the recent advancements in various tracks of science and technology, enabling them to stay up-to-date with respect to their knowledge.

### About the Institute (HIT-K)

Inspired by the noble cause of education and philanthropic zeal, a group of twenty two likeminded industrialists in Kolkata established in 1990 the Kalyan Bharti Trust (KBT), a public charitable foundation, to promote and provide higher education in the country and in West Bengal, in particular. To achieve the KBT's objective, the Heritage Institute of Technology (HIT-K) was set up in 2001. The academic programs of HIT-K are accredited by National Board of Accreditation (NBA) and PwS accorded the independent autonomous status by UGC with effect from the academic session 2014-2015. The Institute is also one of only 25 private unaided engineering institutions across the country selected for Technical Education Quality Improvement Program (TEQIP), Phase-II, a World Bank funded initiative of MHRD, Government of India. The institute has several collaborative programs with different premier institutions and industries both at national as well as at international level to promote the joint research activity and summer research program for the students.

The International and national institutions with whom HIT-K has collaborative programs are University of Alabama at Birmingham, USA, University of Massachusetts, Lowell, USA, New Jersey Institute of Technology, NJ, USA, College of Natural Science, Sungkyunkwan University, Korea, and the National Institutions are, KITE Centre, IIT Kharagpur, CEGESS, of IEST Shibpur (in the area of renewable / solar energy research work), NEERI, Vikram Solar Pvt. Ltd., BPS, Sankalp Semiconductor Pvt. Ltd. The Institution has a team of excellent and dedicated members of faculty, trained in premier universities and institutions in the country and overseas. The Faculty members also continuously engage themselves in their research publication in various reputed international journals. Several faculty members have won many prestigious awards over the years for their R&D, and consultancy works. The Institute completed several prestigious projects funded by different Government organization like, AICTE, Science & Technology, Govt. of India etc. The Heritage Institute of Technology, Kolkata is selected as an empanelled centre of WBREDA, Dept of Power & NEC, and Govt. of West Bengal for carrying out awareness program on renewable energy.

### Conference Topics

**The conference is expected to address (although not limited to) the following topics:**

- Condensed Matter Physics, Astrophysics, Relativity and Cosmology
- Green Chemistry, Supramolecular Chemistry, Reaction Dynamics
- Optimization, Transforms, Computational and Discrete Mathematics
- Renewable Energy, Bio-process, Nano-materials and Nano-technologies
- Algorithms, Data Analytics and Knowledge Discovery, Mobile and Cloud Computing
- Nano-electronics, Intelligent Sensor-based Networks, Ad-hoc Wireless Networks
- Smart Materials, Additive Manufacturing Processes, Automated Design / Manufacturing
- Sensor Technology, Signal Processing, Control Automation, Power Electronics

### Accommodation:

On request accommodation for the delegates can be arranged in different hotels at their own cost.

### Registration Fee:

Registration fee covers registration kit, proceedings, lunch, and participation certificate.

Category	Per Head
Industry Professional	INR 2000
Academia / Research Personnel	INR 1000
Students	INR 500

### Mode of Payment:

All payments should be made in cash at the time of registration.

### Important Dates:

Last date for abstract submission (300 words):

05<sup>th</sup> September 2016

Notification of acceptance by e-mail: 10<sup>th</sup> September, 2016

Last date for registration: 20<sup>th</sup> September, 2016

### Abstract Submission

Accepted abstracts will be invited to give the oral / poster presentation at the conference.

Please submit the abstract as a word (doc.) file to [ncrast@heritageit.edu](mailto:ncrast@heritageit.edu)

The abstract should be at least 300 words, but not exceeding one A4-size page. Page margins should be 30 mm for top margin, 30 mm for right, left and bottom margins. Use font type Times New Roman (12 points), with single line spacing. Title of the paper (Style: "Paper Title", 14 points, bold, centered) should be followed by authors name(s) and affiliation, followed by 1.5 line spacing.

Please visit our conference website for the Abstract Template.