**Introduction**

A lot of people may think up good ideas, but what they think usually ends up confined to themselves alone and they never get a real world evaluation of their innovative ideas which could lead them to a path of success and fame. Providing an opportunity for student researchers to disseminate their latest research results in various fields of engineering, we present the PRASTUTI’15 Paper Presentation event. This event will be an excellent platform to showcase your original ideas and comprehensive technical research and exchange views on the future research directions in various fields of science and engineering.

Category: **Electrical & Electronics**

***Topics:***

Topics of interest include a wide range of topics in Electronics engineering, electrical power engineering (power system as well as power electronics), instrumentation and control engineering, telecommunication engineering, optimization, HDLs etc..

Some possible areas of research include, but are not limited to these:

Electrical circuits and systems, Electric vehicle technology, Electromagnetic technique, Electrical machines, High voltage and insulation technology, Power systems communication, Antennas and propagation Electrical and control engineering, Adaptive and Robust control, Silicon based devices, Power electronics and converters, Power system and automation, Power system reliability and security, FACTS, PFC, Smart grid, Energy storage and compensation, Energy management, Artificial neural network, Fuzzy logic, Image processing, Data processing, Encryption and security signal processing, Microwave electronics, VLSI design, VHDL programming.

Category: **Computer Science & Applied Mathematics**

***Topics:***

Some suggested suitable topics are as follows:

Cloud Computing

Digital Image Processing and Computer Vision

Data Mining and Date Warehousing

Intelligent systems

Cryptography and network security

Distributed computing / Wireless Networks

Parallel Computing

Category: **Energy conservation and management**

The topics considered include energy generation, utilization, conversion, storage, transmission, conservation, management and sustainability. These topics typically involve various types of energy such as mechanical, thermal, nuclear, chemical, electromagnetic, magnetic and electric. These energy types cover all known energy resources, including renewable resources (e.g., solar, bio, hydro, wind, geothermal and ocean energy), fossil fuels and nuclear resources.

***Eligibility criteria:***

Any student pursuing any undergraduate, postgraduate or professional course in any recognized University/College in India is eligible for participation.

**Event Structure:**

*Abstract Submission-*

An abstract must be submitted online, defining the theme of the paper very concisely and should be limited to 150 words providing a clear outline of the paper.

*Paper Submission-*

The teams shortlisted on the basis of abstracts shall have to submit their paper. The paper must strictly conform to the standards of IEEE as mentioned in RULES AND GUIDELINES tab.

*Final Round-*

* Teams selected on the basis of their paper will have to give their presentation in Prastuti’15.
* Selected teams are required to send us a mail at [prastuti@iitbhu.ac.in](mailto:prastuti@iitbhu.ac.in) within a week of declaration of the result, consisting of the following -
* Acknowledgement that you are aware of being selected.
* Details of all the team members: Names, Department, Phone numbers, College etc. in a tabular format.
* Confirmation of your arrival at Prastuti’15 for final presentation.
* The format for the final presentation is given below:
* The participants will have to give their final presentation in MS PowerPoint.
* Only picture clipping and graphs may be used.
* Recorded dialogues or movie clippings are not allowed.
* For presentation, computer will be provided by us.
* The teams will get 10 minutes to present their idea. This will be followed by a question and answer session by judges and/or students attending the Presentation for duration of 3 minutes. Marks will be deducted as per the time exceeding 10 minutes. All the members of the team should be present during the presentation.
* The decision of the judges and the organizers shall be final and abiding.

Guidelines and Rules:

* There can be at most three members in a team.
* Teams must register online at [www.iitbhu.ac.in/prastuti](http://iitbhu.ac.in/prastuti).
* The paper must be formatted in [IEEE TWO COLUMN FORMAT](http://www.ieee.org/documents/MSW_A4_format.doc).
* The paper should not contain more than 8 typed pages.
* The submission should only be in pdf format.
* Teams should mention their full details in the paper. (Name of the Authors, Departments, Phone numbers, College, etc,).
* The last date of online abstract submission is 1st November, 2014.
* The last date of online Full paper submission is 1st December, 2014.
* All submissions of abstracts as well as full papers must be done as an attachment on the email-id: [prastuti@iitbhu.ac.in](mailto:prastuti@iitbhu.ac.in).

Other details:

* The entries selected will be duly informed within a period of 10 days from the last date of abstract submission.
* By the end of February, the list of final participants will be disclosed and participants will be duly informed.
* The Final selection will be done on the basis of abstract as well as full paper.
* Sample paper is provided here. Click here to download the sample.

Contacts:

ELECTRICAL & ELECTRONICS

Chintala Kiran +918574558255

Shubham Kumar +919044304819 [shubham.kumar.eee12@itbhu.ac.in](mailto:shubham.kumar.eee12@itbhu.ac.in)

Parag Yadav +919598000587 [parag.yadav.eee12@itbhu.ac.in](mailto:parag.yadav.eee12@itbhu.ac.in)

COMPUTER SCIENCE & APPLIED MATHEMATICS

Vivek kumar +918948254780 [vivek.kumar.eee12@itbhu.ac.in](mailto:vivek.kumar.eee12@itbhu.ac.in)

Ashim gupta

ENERGY CONVERSATION AND MANAGEMENT

Hirendra Singh Thakur +918174973408 Hirendra.sthakur.eee12@itbhu.ac.in

Dhawan Gupta