

Call for Papers

Institute of Technology, Nirma University is holding the annual technical symposium NU-Tech '15 from 12th-14th February 2015. Paper presentation is being held as a part of it. The topics and rules for the same are given below. There would be different presentations for UG and PG.

Topics:

The topics for the presentation include, but are not limited to the following:

1. Computer Science and Engineering

- Machine Learning
- Wireless Sensor Networks
- Artificial Intelligence
- Mobile Computing
- Cloud Computing
- Big Data
- Information Analytics
- Cryptography

2. Electrical Engineering(EC/EE)

- Recent trends in power generation and transmission for sustainable development.
- Written pole technology
- Hybrid electric vehicles
- Solid oxide fuel cells
- Pumped hydroelectric energy storage
- Micro electro mechanical systems (MEMS)
- End-use energy efficiency
- Sizing of energy storage for microgrid
- Adaptive piezoelectric energy harvesting circuit.
- Bubble power
- E-waste management
- Electrooculography
- Inter vehicle communication
- Bluestar
- e-textiles
- easy to swallow wireless telemetry

3. Instrumentation and Control Engineering

- Artificial eye
- Diathermy and instrumentation

- Smart servo ventilators
 - Biometrics
 - Instrumentation in Cardiovascular System
 - Pollution emission sensor and analysers
 - Homogeneous charge compression ignition - future of IC engineers
4. Chemical Engineering
- Solar pond
 - Biological denitrification using saw dust as the energy resource
 - Soil carbon Sequestration
 - AirQUIS
 - Phytoremediation
 - Photofenton oxidation process
 - Bio-oxidation - A technology for sustainable air pollution control
5. Mechanical Engineering
- Floating solar chimney technology
 - Concept type and application of six stroke engine
 - Smart materials - a view towards shape memory alloy
 - Methanol fueled marine diesel engine
 - Biodiesel - tomorrows fuel
 - Green engine technology
 - IVtec Engine

Instruction to Authors:

- There should be a maximum of 3 authors per paper.
- It can be a research paper/review paper.
- Authors are required to send an abstract (maximum of 1 page) on or before 6th February 2015 on the email id papers.nutech15@gmail.com
- The subject should be strictly "registration id" _ "branch" _ "PG/UG"
- Authors of selected papers would be notified by 9th February 2015 and they would be required to come and make a presentation in front of the judges during the event.
- Only PDF formats would be accepted.
- At least one author should be registered for the event.
- The format of the paper should be standard IEEE format.