**Description**

Converges’17-18 gives students a platform to present their research work. The purpose of such presentations is also to encourage participants to stay abreast with the latest in the fields of science and technology. As the name itself suggests, it allows them to showcase their papers and serves as a platform for some of the brightest minds in the country to exchange new ideas and cutting edge research. Paper Presentation, one of the biggest events in Converges ’17-18 is now waiting for your talent.

**Topics**

All submissions will be referred based on the following criteria by two reviewers with appropriate background.

• Originality   
• Significance   
• Contribution to the area of research   
• Technical quality   
• Relevance to Converges’17-18 topics   
  
Technical papers describing original, previously unpublished results are solicited in all areas of theory and application of Electronics & Telecommunication, Mechanical, Computer Engineering and Information Technology, Civil Engineering, Electrical Engineering. Some topics are shown as below, but students are free to choose topics of their own choice.

**Group 1 : Mechanical Engineering**

• Mechatronics   
• Fuel Cell Technology  
• Concurrent Engineering  
• Renewable & Non Conventional Energy Sources  
• PLM (Project Life Cycle Management)  
• Smart Engines  
• Advance Solar Utilities

**Group 2 : Computer & IT**

• Data ware Housing & Data Mining  
• Genetic Algorithms  
• Mobile Network  
• Advance Technology in Compiler Construction  
• WiMax  
• Grid Computing  
• Sensor Network  
• Optical Networks

**Group 3 :Electronics & Telecommunication Engineering**

• RTOS & Embedded System   
• VLSI Design  
• Neural Networks & Fuzzy Logic  
• Signal & Image Processing  
• Nanotechnology  
• Spintronics  
• MEMS  
• Recent trends in power generation & transmission   
• Smart sensors  
• Biomedical  
• Pattern Recognition and Computer Vision   
• Telemedicine

**Group 4 : Civil**

• Modern Construction Materials   
• Disaster Management  
• Remote Sensing & GIS  
• Rapid Mass Transportation  
• Low Cost Housing

**Group 6 : Electrical Engineering**

 Electric Power line Networking For a Smart Home

 Intelligent Management Of Electrical Systems in Industries

 Large Scale Power Generation Using Fuel Cell

 Optical Technology in Current Measurement

 Border Security Using Wireless Integrated Network Sensors

 Wireless Power Transmission via Solar Power Satellite

 Recent Trends in Power Electronics & Drivers

 Neural Networks and Fuzzy Logic

 Adaptive Piezoelectric energy harvesting circuit

 Condition Based Maintenance of Underground Cable Systems

 Digital Testing of High Voltage Circuit Breakers

 DSP (Digital Signal process Based Motor Control System)

 HVDC Technology and Short Circuit Contribution of HVDC Light

 Improving Electrical System Reliability with Infrared Thermography

 Protection of transmission systems by using the global positioning system

 Seasonal Influence on Safety of Substation Grounding

 Bridge capacitor bank in EHV system

 Comparative Study Of Maximum Power Point Tracking

 Effect of Under Frequency on Generating Units

 Optical current transducer & its fault location in substation

 Wireless energy transmitter

**Group 6: First Year Engineering**

• General Topics – related with latest development / latest technology,  
scientist and their contribution in Engineering / Science   
Above are only few paper presentation topics, for participation students are free to choose topics of their own choice.

**Rules**

* Candidates must to have valid I-Cards of their respective institutes.
* Maximum number of participants allowed in a team is TWO. You can also participate individually.
* The time specifications are ‘8+2+2 = 12 min’. Presentation time is limited to a maximum of 10 minutes. At the end of 8 minutes, a warning bell will be given to conclude the presentation. The last two minutes are reserved for questions from judges or the present audience.
* Participants are free to bring their own Laser Pointers or Hand Pointers and none will be provided by the organizing committee.
* The presentation can be made in Power Point or Flash.
* Participants are requested to bring TWO hard copies of the typewritten report in the specified format only.
* Participants are requested to bring files on a CD or Pen drive.
* Only those teams whose paper has been shortlisted will be qualified to deliver presentation on the event day.
* In case of any dispute or discrepancies, all rights will be reserved with the organizing team.
* Send your complete paper in MS Word format on converges18@gmail.com

**Specification**

* Participants have to submit full paper.
* While submitting the full paper, participants have to mention for which track / group it is submitted.
* The Paper should not exceed 6 A4 sheets.
* While submitting the full paper
* The topic of presentation, name of participants, mobile number, email Id, and College name must be clearly mentioned.
* Merely registration by submitting fees will not liable for participation certificate, Participant / Author have to submit paper and if paper gets selected (if notification of acceptance received), and participant presents paper in Converges’17-18 then only participation certificate will be issued.
* Paid fees will be nonrefundable and nontransferable.
* If participant remains absent for event (or not presented paper), no certificate will be issues.

Important Dates:

* Last Date for Paper Submission: March 10, 2018
* Notification of Acceptance: March 14, 2018
* Last Date of Registration: March 19, 2018

Fees for Paper presentation: 100/- per paper

**Contact Us**

* Please contact to following specified number

**Track 1 – Mechanical Engg.**

**Track 2 – Computer & IT Engg.**

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**Track 3 – Electronics & Tele Engg.**

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**Track 4 –Civil Engg.**

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**Track 5 – Electrical Engg.**

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**Track6 – First Year Engg (General)**

Kapil Deore (7057754239)