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- Double blind peer reviews will be followed.
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- The DD must be drawn in favour of "St. Joseph's Institute of Technology", payable within Chennai at any nationalised bank.
- Selected and presented papers will be published in the International journals of a in Engineering, Research (IJAER), ISSN 0973-4562 listed in Anna University Annexure- II, indexed scopus,
- Selected and presented papers may be considered to publish in IEEE explorer also

## DATES TO REMEMBER

SUBMISSION OF FULL PAPER	: 20 <sup>th</sup> MAR, 2015
NOTIFICATION OF ACCEPTANCE	: 25 <sup>th</sup> MAR, 2015
REGISTRATION	: 31 <sup>st</sup> MAR, 2015

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on

## RECENT TRENDS IN

## ENGINEERING & TECHNOLOGY

## NCRTET 2015



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## ABOUT THE INSTITUTION

St. Joseph's Institute of Technology, founded by the St. Joseph's group of institutions in 2011 is a Christian minority institution with six UG streams including: CSE, ECE, EEE, IT, MECH & CIVIL. The college has the finest infrastructure with well-equipped laboratories, workshops and classrooms. The students are provided with exceptional academic ambience by virtue of the preeminent faculty.

Our college, being one of the leading engineering colleges, focuses on inculcating not only knowledge but also good ethics in the budding engineers of future India. This is essentially the crux of St. Joseph's Institute of Technology.

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This is the second National conference taking place in the campus of St. Joseph's Institute of Technology. The primary goal of the conference is to promote research and developmental activities in the recent trends in engineering and technology. It also helps to unite the great minds who believe in the need for a technologically literate society. This conference, on the Recent Trends in Engineering and Technology promises enormous potential to stimulate educational opportunities to the researchers, academicians and postgraduate students. It is a powerful tool for the educators to interact with their peers, share knowledge and ideas. It also offers innovative technical resources to support professional learning for educators and education leaders.

Topics of interest for submission includes, but not limited to:

### CSE/IT

- Cloud computing
- Grid computing
- Soft computing
- Big data
- Mobile computing
- Computer & network security
- Data/Text mining
- Internet information systems & technologies
- Semantic web & web services
- Cluster computing
- Open Source Technology
- Cyber Crime and Security
- AI & Expert-System

### ECE

- Coding Theory & Cognitive Radios
- Array Signal Processing
- Image/video&Speech/Audio Processing
- Wireless Communication
- Next Generation Networks
- Biomedical Systems/Biological Networks
- RF/Microwaves/Antennas
- Optical communication
- Adhoc and Sensor Networks
- Smart Grids/Green Technology
- DSP Algorithms and Architectures
- VLSI and Embedded Systems

### EEE

- Renewable Energy Sources
- Power System Stability and Control
- Power Quality
- Embedded Systems
- Special Electrical Machines
- Converters and Inverters
- Network Harmonics
- Power System Design

### MECH

- Fluid Mechanics
- Recent trends in automobiles
- Fracture Mechanics
- Waste Management
- CAD/CAM/CAE
- Advances in manufacturing technology
- Environmental engineering & energy resources
- Quality and Reliability Engineering
- Reverse Engineering
- Dynamic Mechanical Analysis, Optimization and Control

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