



2nd International Conference on Paradigms in Engineering and Technology



ICPET-2018

December 28-29, 2018



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Methodist College of Engineering and Technology
(Affiliated to Osmania University)
Abids, Hyderabad, Telangana, India



UGC APPROVED JOURNAL

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About the Institution

Methodist College of Engineering & Technology (MCET) is a Non-Minority Educational institution, established in the year 2008, over 6.53 acre sprawling campus, situated at Abids, in the heart of *City of Pearls, Hyderabad* (Capital city of Telangana state). The college is well connected by public transport from every corner of the city. This college is imparting Technical education in the fields of Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science Engineering, Mechanical Engineering, and Civil Engineering at UG level. In addition, ME in Computer Aided Design and Manufacturing (CAD/CAM) and Master of Business Administration (MBA) courses are also offered. The Department of Mechanical Engineering of MCET is recognized as Research Centre by OU for carrying out research leading to the award of PhD degree. MCET, having a total student strength of about 2000, is approved by AICTE and is affiliated to the hundred years old Osmania University.

MCET strives towards excellence by imparting essential technical skills as well as a holistic approach towards grooming the students into responsible, worthy citizens of the future. Life in Methodist is not just limited to the classroom-teaching, but spins beyond the textbooks to develop character and thus mould the personality of students to carve a niche for themselves in the society. Ultimate goal of Methodist College of Engineering and Technology is to educate and graduate individuals who possess the technical and social competence and confidence to succeed in professional practice and advanced education, to be lifelong learners, and to exercise responsible citizenship.

The main strength of the college is its best and experienced teaching fraternity totaling to about 130, having interest both in teaching and research work, in their fields of specialization.

Though the college is only 10 years old, is progressing fast and with its excellent infrastructure and state of the art laboratory

facilities, is competing with the established engineering colleges having a long standing. MCET students so far secured, Three University First Ranks and Gold Medals in the departments of EEE and Mechanical Engineering were bagged by MCET students. This is an ample testimony for the academic progress and the quality of education offered at the college.

The college has MoUs with 15 highly reputed Industries and Institutions that help the students to get internships and also carry out project works in association with research activities. All the departments have chapters of Professional bodies like IEEE, IETE, CSI, SAE, ISTE, IGBC, etc.

Every year, it is a custom for the institute to organize Seminars, Workshops, Symposia and Conferences in both National and International repute. As part of the decennial celebrations of the institution, present International Conference (ICPET-2018) is being organized.

About ICPET

MCET has initiated the rich journey into academic excellence by hosting the 1st **International Conference on Paradigms in Engineering & Technology** (ICPET-2016) held on March 2-3, 2016, in Hyderabad.

About ICPET-2018

In continuation to the above the present conference titled, 2nd **International Conference on Paradigms in Engineering & Technology** (ICPET-2018) is being proposed to be held during December 28-29, 2018.

2nd International Conference on Paradigms in Engineering and Technology (ICPET-2018) will provide an international forum for sharing knowledge and experimental results in theory, methodology and applications of recent scientific evolvments in Engineering, Science, and Technology. ICPET-2018 solicits significant contributions in all major fields of the Engineering & Technology in theoretical / practical aspects. Authors are requested to contribute to the conference through their research articles, projects, industrial expertise that highlight significant advances.

Mandatory note for Prospective Authors

- ❌ Papers should not have been previously published nor be currently under consideration for publication elsewhere.
- ❌ Manuscript/s with plagiarism will be rejected without any review/revision process.
- ❌ All papers are refereed through a peer review process subsequent to sophisticated plagiarism checks.

Important dates

Paper Submission Deadline	20 th October 2018
Notification of Acceptance	30 th October 2018
Camera Ready Copy Submission & Author Registration	20 th November 2018

Paper Submission

Make sure your paper is formatted appropriately as per the given template available in the conference website.

All papers must be submitted online via EasyChair submission portal using the following link:

<https://easychair.org/conferences/?conf=icpet20181>

Alternatively, authors who are not able to upload in EasyChair can mail their papers in pdf / doc / docx format to icpet2018@methodist.edu.in in the specified format as prescribed in the conference website.

For more details kindly log in to <http://www.icpet.theides.org/> or www.easychair.org/cfp/icpet-2018

Virtual Presentation (using Skype)

In case, the authors cannot attend the conference physically for presenting their papers, they are encouraged to present through Skype, preferably for authors from outside India.

Registration (For Max. of 5 pages)

Foreign Author	100 USD
Indian Author (Academician)	3,000 INR
Indian Author (Industrial Expertise)	3,500 INR
Student Author (Research Scholars/PG/UG)	1,500 INR
Extra Page	500 INR
Hard Copy of Proceedings	600 INR (Extra)

It is mandatory that at least one of the authors to register for publication of their paper in the Journal. No Accommodation be provided for any delegate(s). However, based on request paid accommodation be provided in nearby hotels.

Paper Publications

All accepted and registered papers under ICPET-2018 conference will be published as International Journal Publications but not Conference Proceedings. Further, all those papers will be submitted for Possible Indexing in SCOPUS, EI-Compendex, Springerlink. All the registered papers will be available online with open access.

Series Titles

• Grenze International Journal of Engineering and Technology (GIJET), e-ISSN:2395-5295, Print ISSN: 2395-5287

UGC Approved Journals:

- i-manager's Journal on Future Engineering and Technology (JFET), Print ISSN: 0973-2632, e-ISSN: 2230-7184
- i-manager's Journal on Material Science (JMS), Print ISSN: 2347-2235, e-ISSN: 2347-615X
- i-manager's Journal on Civil Engineering (JCE), Print ISSN : 2231-1068, e-ISSN: 2249-0779

About the Journals

The Grenze International Journal of Engineering and Technology (GIJET), is a multi-disciplinary journal which covers all aspects of scientific, engineering and technical disciplines. Published Twice-yearly, focuses on the frontier topics in the Computer Science, Civil, Mechanical, Electrical and Electronics Engineering subjects. All the accepted papers will be available in the GRENZE Digital Library resources forever. On the other hand, i-manager Publications is a reputed International Academic Publisher in its 15th year of Publishing Academic Journals. i-manager's JFET presents the evolution of Engineering in the contemporary age by research findings and perspectives of international experts. i-manager's JMS endeavors to be one of the leading source of primary communication for researchers investigating the structure and properties of all materials. i-manager's JCE is a platform for researchers in the field of Civil Engineering to share their views embracing an appeal for a new, enhanced role for the profession.

Call for Papers

Original contributions are solicited on topics covered under broad research areas such as (but not limited to):

- Artificial Intelligence
- Big data & Cloud Computing
- Computer Networks / Data Mining
- Internet Of Things (IOT)
- Building Materials, Structures and Construction
- Geotechnical & Transportation Engineering
- Hydraulics & Water Resources
- Environmental and Geospatial Technologies
- Sustainability & Green Technologies

- Nano Materials and Technology
- Energy Storage Techniques
- Applied Mathematics and Physics
- Low Power Circuits
- Advanced Mobile Communication
- Radio Engineering
- Advanced Signal Processing
- System on Chip (SoC)
- Numerical Modelling Analysis / CFD
- Energy Conservation / Renewable Tech.
- Power Quality Issues / Bio-Fuels
- Power System Stability
- Advancements in Electric Drives
- Innovations in Control Systems
- Novelties in Converter Technology
- 3-D Printing / Composite Structures
- Mechanical Vibrations
- Acoustics & Fluid-Structure Interaction
- Virtual Instrumentation
- Polyphase Systems and Component Transformations
- Direct Energy Conversion / Fuel Cells
- FEM and FDM with their Applications
- Advances in Materials & Manufacturing
- Manufacturing Processes / CAD / CAM
- Production, Operation and Supply Chain Management & Quality Control
- Technology Management

How to Reach

Besides Tajmahal Hotel, Behind Brand Factory, King Koti Road, Abids, Hyderabad, Telangana State – 500001, India.

Please, visit the link for maps

<https://goo.gl/maps/p5eXhpArWs82>

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About the City Of Pearls – Hyderabad, Telangana State – India

Hyderabad, "The Pearl City of India", is on the banks of River Musi. It was ruled by the Qutub Shahis, Mughals and Nizams that nourished its history. The city is famous for its historical monuments, museums, parks, mosques and temples. It hosted the Global Entrepreneurship Summit (#GES2017) in Hyderabad, a global second home to U.S. giants such as Microsoft, Amazon, Google, Apple and Uber amongst many others, Hyderabad has become a bustling hub for innovation and entrepreneurial activity in the country. The city boasts of a very fine hospitality culture with a range of Hotels / Restaurants to cater to a wide range of choices. City is well connected to Historical places like Ajanta / Ellora / Warangal / Lepakshi / Nagarjuna sagar / Srisailem / Bhadrachalam / Amaravathi, etc.