

## PAPER SUBMISSION

Authors are invited to submit their conference papers through the Easy chair

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### Publications:

All the accepted and registered papers will be published in Scopus Indexed IJMPERD in regular series in ISSN(print):2249-6890; ISSN(Online):2249-8001; <https://www.scopus.com/sourceid/21100814505?origin=sbrowse>

### Indexing:

The papers of the journal has Scopus, Index Copernicus, Academia, Research Bible, J Gate.

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Category	Indian Author(INR)	Foreign Author
Faculty, Ph.D/PG Research Scholar	Rs.9,500	\$200
Industry	Rs.10,500	\$200

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### Guidlines & Paper Format

- At least one author of an accepted paper must register and present his / her paper in conference.
- Prospective authors are invited to submit paper(s) within 8 pages written in A4 size covered under normal registration. Extra page charges apply beyond 8 pages.
- Paper format can be downloaded from conference website, [www.icabmrcet.com](http://www.icabmrcet.com)

### Scopus Policy on Plagiarism

- Authors are requested to kindly refrain from plagiarism in any form. Author should submit their original and unpublished research work not under consideration for publication elsewhere.
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### Important Dates :

Full Paper Submission last date April 15, 2019  
 Paper Acceptance May 25, 2019  
 Conference Dates June 21-22, 2019



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 (Affiliated to JNTU, Hyderabad. Approved by AICTE - Accredited by NBA & NAAC - 'A' Grade - ISO 9001:2015 Certified)  
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## 1<sup>st</sup> International Conference on Aeronautics and Beyond

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### ABOUT HYDERABAD

Hyderabad, the capital city of Telangana represents the right blend of heritage with modernity. Rich historical heritage, culture and a knowledge hub, Hyderabad is among the fastest growing cities of the world.

#### HITEC CITY

Hyderabad Information Technology and Engineering Consultancy City, abbreviated as HITEC City, is a major technology township which is one of the leading hubs in India. Once the capital of the great Nizams, Hyderabad is today acquiring the status of the 'Cyber Capital' of India. Hyderabad, a twin city along with Secunderabad, has now acquired a third dimension – H Cyberabad, a city by itself, covering 51 sq.kms. HITEC City forms the core of this new knowledge hub. Some of the other institutions which are part of Cyberabad are Indian Institute of Information Technology (IIIT), ISB, proposed Golf Course, Botanical Gardens, Night Safari, Engineering Staff College of India, University of Hyderabad etc.,

#### CHARMINAR

The Charminar, built in 1591 CE, is a monument and mosque located in Hyderabad, Telangana, India. The landmark has become a global icon of Hyderabad, listed among the most recognized structures of India. The English name is a transliteration and combination of the Urdu words Char and Minar, translating to 'Four Towers'; the eponymous towers are ornate minarets attached and supported by four grand arches.

#### HUSSAIN SAGAR

Hussain Sagar is a lake in Hyderabad spread across an area of 5.7 square kilometers and is fed by River Musi. A large monolithic statue of the Gautam Buddha, erected in 1992 stands in an island in the middle of the lake. Maximum depth of the lake is 32 feet.

#### GOLKONDA FORT

An enthralling and bewitching experience, a unique architectural and engineering marvel that is Golkonda is a masterpiece and a citadel that depicts the glory of the Royal Kingdoms that ruled this region. The invincible ramparts, boulders and intricate finesse of the fort are breathtaking.

#### BIRLA MANDIR

In close proximity to Hussain Sagar lies the famous Birla Mandir dedicated to lord Venkateswara. The temple is built on top of a hillock. This was constructed by the noted Industrialist GD Birla totally in marble stone. The temple attracts lot of tourists throughout the year.



### About MRCET

Malla Reddy College of Engineering and Technology (MRCET) is a constituent college of Malla Reddy Group of Institutions (MRGI) founded by Mr. Ch. Malla Reddy noted educationist and Member of Parliament from Telangana State, India. At present there are 12 engineering colleges under MRGI with 30,000 students in the campus, making MRGI the largest group of institutions in Telangana, India. The MRGI is situated about 30 km from the International Airport, Hyderabad.

MRCET was established in the year 2004, approved by AICTE, New Delhi and permanently affiliated to JNT University, Hyderabad. The Institution offers B.Tech and M.Tech Programmes in the areas of Computer Science and Engineering, Electronics & Communication Engineering, Information Technology, Aeronautical Engineering, Mechanical Engineering, Electrical and Electronics Engineering and Master in Business Administration (MBA). The Institution also has UGC Autonomous status for both Engineering and Management Programs. The Institute is accredited by National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC) with 'A' Grade. The Institution is also certified with ISO 9001: 2015.

### Special Achievements

- UGC Autonomous Institution, Govt. of India.
- Accredited by NBA, AICTE, New Delhi.
- Accredited by NAAC-A Grade, UGC, Govt. of India.
- Institute has been certified with ISO 9001:2015
- UGC 2f & 12(B) recognized institution, UGC New Delhi
- Research Centre Status, JNTUH, Hyderabad
- MoU with University of New Orleans, USA
- MoU with International Technological University, USA
- MoU with University Malaysia Sarawak (UNIMAS), MALAYSIA
- MoU with ECPI University, USA
- MoU with Lincoln University College, MALAYSIA
- MoU with Monmouth University, West Long Branch, NJ, USA
- MoU with Tandon School Engineering, New York University
- MoU with George Washington University, USA
- Recognized e.Gov Campus by Engineering Watch, Re-Engineering India.
- Granting of Permanent Affiliation status from JNTU, Hyderabad.
- MoU with National Aerospace Laboratories (NAL), Bangalore.
- Industry Institute Partnership Cell (IIPC)
- Indian World Record and special recognition in "Indian Book of Records" for outstanding performance of mastering the art of world largest painting – World's Earth Day.
- MRCET is a life member of NHRD Network
- CISCO International Certification Authorized Centre.
- MoU with ESOL Examinations (BEC) University of Cambridge, UK.
- Approved to admit Foreign Students/PIO's
- Nodal Center: IIT – Bombay/Kharagpur for Technology Transfer
- Microsoft Innovative Center.
- NASSCOM Nodal Center for NAC-Test Assessment
- JAVA Certification through Oracle Academy
- MoU with Tech Mahindra
- Business Incubation Centre – MSME, Govt. of India
- Global Education and Career Counseling Centre
- Patents award – 4 No's

## ICAB-2019

### THEME OF CONFERENCE:

International Conference on Aeronautics and Beyond (ICAB)-2019 being held at Department of Aeronautical Engineering, Malla Reddy College of Engineering and Technology, Hyderabad, India provides a platform for research scholars, young scientists, professors and industry personnel together across the globe to disseminate diverse technologies acquiescent to aeronautics, aviation and aerospace industries. The conference will be enveloped by eminent speakers from various manifolds like industries and premier institutes and will anchor intriguing interactive sessions followed by session chairs of different areas.

The event focuses on presentation of impactful solutions, identifying the research gaps and hypothetical conjectures using analytical, numerical and experimental techniques towards aeronautical sciences. The peer interactions at the presentation would enable participants to exchange scientific inputs in various areas. The motive of the conference is to develop an amenable ecosystem integrating different technologies that would lead to sustainable societal output.

### SCOPE:

The scope of the conference is to demystify various scientific problems challenging aeronautics, aviation and aerospace industries through different contour of scientific community. Together with the conference topics, interdisciplinary relevant areas that best fit the aero industries will also be encouraged providing promising solutions. In lieu to this, few areas include artificial intelligence, smart manufacturing, unmanned aerial vehicles and green aviation technologies.

## CONFERENCE TOPICS

- Aerodynamics (both steady and unsteady flow conditions).
- Aeroelasticity.
- A.I & Advanced Sensors in Aircrafts.
- Aircraft Instrumentation.
- Carbon Footprint control techniques.
- Experimental Stress Analysis.
- Finite Element Analysis.
- Flight stability and control.
- Integrated modelling and simulation.
- Measurements and Simulations for engineering application
- Mathematical modelling.
- Meteorology.
- Noise, Vibration and Harshness.
- Orbital mechanics.
- Renewable Energy.
- Smart materials.
- Space Dynamics.
- Scram and Shcramjet engines.
- Structural Health monitoring.
- Space electronics.
- Swarm intelligence.