

IIAEM

IIAEM is a collaborative venture between Jain University, SIATI, and leading Aerospace organizations, an initiative never attempted by other Universities. IIAEM has received overwhelming support from academic institutions, R&D laboratories and reputed organizations - like ISRO, HAL, AAI, NAL, Air India, Jet Airways, BIAL, CIAL and many others. Besides involving itself in cutting edge research, the Institute is striving to generate a pool of technical manpower skilled in Aircraft Design, Avionics, Aircraft Maintenance Engineering, Airport Infrastructure & Aviation Management at the UG, PG and Research levels. Within the next few years, the IIAEM is poised to develop into a world-class institution for aerospace research and education.

SIATI

The Society of Indian Aerospace Technologies & Industries (SIATI) has made pioneering efforts in bringing industry, R&D centres both in India and abroad together to enhance self-reliance in aerospace technology and manufacturing. In addition to major aerospace players it has now about 300 small, medium and large scale private industries engaged in development and manufacture of aircraft structures, systems / equipment.

Chief Coordinator

Air Cmde (Retd) J Varkey, Hony. Secretary General, SIATI

Co-Coordinators

Shri V Unnikrishnan, Former Regional Director (Engines), CEMILAC & **Wg Cdr (Retd) Venugopal Menon**, Senior Executive Officer, SIATI,
Email: v.menon@siati.org

Please send your nominations to :

Mr. Naveen S, IIAEM (Aerospace Dept.), Jain University,
319, 17th Cross, 25th Main, J. P. Nagar 6th Phase, Bengaluru 560078
Ph: 080 43430400 Extn.224, Fax: 080 26532730
Mob: 09341324960, Email: iiuem@jainuniversity.ac.in
Web: iiuem.jainuniversity.ac.in

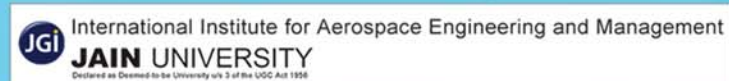
A 2-day Short Course on

Airworthiness & Aircraft Certification



27th Short Course jointly organized by

**International Institute for Aerospace Engineering
and Management (IIAEM)**



and

**Society of Indian Aerospace Technologies
and Industries (SIATI)**

on

26th (Fri) & 27th (Sat) May, 2017 from 9 AM to 5 PM

**Venue : Aeronautical Society of India, Old Madras Road
& Suranjandas Road Junction, (BEML Railway crossing -
Opp. to HAL Engine Division) Bangalore - 560 075**

About the Course

- **Airworthiness** is the measure of an aircraft's suitability for safe flight. Certification of **airworthiness** is initially conferred by a certificate of **airworthiness** from a national aviation authority, and is maintained by performing the required maintenance actions.
- **Aircraft Certification** - The task of certifying an aircraft or part can be overwhelming given the lengthy process and the many steps that are required. Understanding the process can greatly enhance the outcome and reduce unnecessary delays or frustrations.

Faculty

- The lectures will be delivered by Experts who have been in the field for over 20 to 30 years and held senior positions in the Certification and Testing Agency.
- Speakers : Shri V Unnikrishnan, Shri Kanchan Biswas, Technical Consultant, NAL, Dr P Raghothama Rao, Scientist (Retd), CEMILAC, DRDO, Shri K V Krishnan, Sr Vice President - Airline MRO, Air Works India Engineering and Other Experts.

Who would benefit

- Scientists and Engineers associated with Aircraft Design, Development, Manufacturing, Testing & Maintenance of the Aircraft / Helicopter / Aero-engines / Components / Structure.
- Faculty and students from Institutes offering courses in Aeronautical / Aerospace and Aircraft Maintenance Engineering.

Registration Fee per Participant

Corporate -----: ₹ 6,500/-
 Academic, R&D Labs & Govt. Orgns : ₹ 5,500/-
 Students -----: ₹ 4,000/-

Fee discount can be available for a group of 5 participants

(Registration fee includes participation fee, lecture material, working lunch etc. The registration details (Name, Designation, Organization, contact information) along with DD / Cheque drawn in favor of 'IIAEM', Bangalore should reach our office before **23rd May, 2017**).

Program Content

The course covers an overview of the certification process, its evolution and guiding documents on aircraft and its power plants, mechanical subsystems, electrical and electronics subsystems and materials and processes. The sessions will be handled by experts in the field. The sessions are designed to render the relevant and more useful to students, engineers and those industry representatives who are currently engaged in design manufacture and supply of aircraft components and accessories, specialised processes and materials.

- Concept and evolution of Airworthiness certification for Aircraft, Engines, Helicopters (design, manufacturing, maintenance)
- Military Certification (Governing Documents & Procedures)
- Civil Certification (Governing Documents & Procedures)
- Design Evaluation and qualification
- Validation and testing
- Design validation of subsystems and analysis
- Ground and Flight Testing
- Certification : Power plants, engine modules
- Material Certification
- Design Evaluation of Flight Critical items
- Electronics systems and components testing
- Significance of failure analysis, Defect investigation
- Accident Investigation, design failure, compliance failure
- Documentation

