

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, DRDO, 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 industries as well as R&D centres both from India and abroad together to enhance self-reliance in aerospace technology and manufacturing. In addition to major aerospace players it has now involved with about 300 small, medium and large scale private industries engaged in development and manufacture of aircraft structures, systems / equipment.

Chief Coordinator

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A 3-days Short Course on

ENVIRONMENTAL TESTING ON AVIONICS



29th Short Course jointly organized by

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

IIAEM

JAIN UNIVERSITY
Declared as Deemed-to-be University u/s 3 of the UGC Act 1956



and

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

from

22nd (Thu) to 24th (Sat) February, 2018 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

- Airborne equipment / Systems / LRUs have to undergo stringent qualification testing before they are accepted for their intended applications on any aircraft. The qualification testing of the LRUs include variety of testing such as mechanical, climatic and electromagnetic environmental testing which require large number of equipment and complex procedures. The environmental testing is carried out by artificially simulating service environment of the components in order to examine its fitness for the intended applications. The 3 days short course would deal in detail all the facets of environmental testing on avionics by experts in these fields from different pioneered institutions of the country.
- Visit to Environmental Testing Facility may also be arranged.

Faculty

- Lectures will be delivered by the experts in the field of Environmental Testing on Avionics and experienced professionals from Aerospace / Aircraft industries, Research and Development Laboratories, Regulatory Agencies etc.

Who would benefit

- Scientists and Engineers associated with the design, development, manufacturing & testing 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 ----- : ₹ 10,000/-
Academic, R&D Labs & Govt. Orgns : ₹ 8,500/-
Students (UG & PG) ----- : ₹ 6,000/-

Fee discount can
be availed 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 **19th February, 2018**).

Topics being covered are listed

- Regulations, Standards, Practices and Comparison
- Qualification Testing and Safety of Flight Testing (SOFT)
- Life Cycle Environmental Profile (LCEP) - Test Tailoring
- Preparation of QTP & QTR Documents
- Dynamic Tests - Vibration, Shock, Acceleration, Acoustic Noise etc
- In-flight Vibration measurement and test tailoring along with the case study
- Climatic Testing - Temperature, Humidity, Altitude, Salt Fog, Rain, Solar Radiation etc
- Accelerated testing, HALT / HASS along with case studies
- Production Acceptance Testing & Screening
- EMI / EMC Testing
- MIL 704 & Lightning Testing
- JSS 5555 - TTGE (Tool Test and Ground Equipments)
- Software Testing

