

## IIAEM

IIAEM is a collaborative venture between JAIN (Deemed-to-be-University), SIATI, and leading Aerospace organizations, an initiative never attempted by other Universities. IIAEM has received overwhelming support from academic institutions, R&D labs 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 & 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

Shri. Ashok Kumar Sood, Ex Chief Designer, ARDC - HAL & currently, Consultant with HCL Tech at Bengaluru  
(Mob: 9632033889, Email: aksood1949@gmail.com)

### Co-Coordinator

Prof. Ashok K. Bakshi, Ex ISRO & Professor, IIAEM, JAIN (Deemed to be University)  
(Mob: 9448880230, Email: akbakshi2010@gmail.com)

### Please send your nominations to :

Mr. Naveen S, IIAEM (Aerospace Dept.), JAIN (Deemed to be University),  
319, 17<sup>th</sup> Cross, 25<sup>th</sup> Main, J. P. Nagar 6<sup>th</sup> Phase, Bengaluru 560078  
Ph: 080 43430400 Extn.224, Fax: 080 26532730  
Mob: 09341324960 , Email : [iaem@jainuniversity.ac.in](mailto:iaem@jainuniversity.ac.in)  
Web : [iaem.jainuniversity.ac.in](http://iaem.jainuniversity.ac.in)

## A 3-days Short Course on VERIFICATION AND VALIDATION OF AIRCRAFT STRUCTURES AND SYSTEMS



30<sup>th</sup> Short Course jointly organized by  
**International Institute for Aerospace Engineering  
and Management (IIAEM)**

**IIAEM**

**JGi JAIN**  
DEEMED-TO-BE UNIVERSITY

and



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

from

January 31<sup>st</sup> (Thu), February 1<sup>st</sup> (Fri) & 2<sup>nd</sup> (Sat), 2019  
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

- Verification & validation have always been part and parcel of the history of aircraft design & development ever since the days of Wright Brothers. Advanced technologies & complex interdependencies between various systems in the modern aircraft have further made it imperative that the verification & validation be treated as a mandatory process to ensure aircraft safety, integrity & performance throughout the service life of aircraft. This 3 day short course is aimed at providing exposure to all the processes and procedures involved in the verification & validation of structures and systems of both the civil as well as the military aircraft.

## Faculty

- Lectures will be delivered by the experts in the field and experienced professionals from Aerospace / Aircraft industries, Research and Development Laboratories, Regulatory Agencies, Academia etc.
- Speakers include - Dr. A.R. Upadhy, Former Director, NAL, - Shri. Kanchan Biswas, Former Associate Director, CEMILAC, - Shri. J.V. Kamesh, Outstanding Scientist, ADA, - Shri. H.R. Sudarsan Prasad, Ex-GM & HoD Avionics ARDC, HAL.
- Course Coordinators and other distinguished professionals.

## Who would benefit

- Working Aeronautical / Aerospace professionals from Aerospace Industries, IT Aerospace solution providers, Scientists, Airworthiness Professionals, Design / R&D Organisations, Defense Service personnel.
- Faculty, Research Scholars & Students from Institutes offering courses in Aeronautical / Aerospace and Aircraft Maintenance Engineering.

## Registration Fee per Participant

Corporate ----- : ₹ 9,500/-  
 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 : i. Name, ii. Designation, iii. Organization, iv. Contact information, can be sent to us before **28<sup>th</sup> January, 2019**. Payment can be made by DD / Cheque drawn in favor of 'IIAEM', Bengaluru. For online payment, ECS / NEFT details may please be sought).

## Topics being covered are listed

- The role of Verification & Validation of Structures and Systems during Aircraft Design and Development
- Overview of Airworthiness and Design Certification processes for Civil & Military Aircraft : The Indian & International scenario
- Integrated Vehicle Health Management : The future of Aircraft life cycle operationalization
- Role of inspection & NDT in Aviation Safety and Accident Preventive Measures
- Overview of the Aircraft Structural Qualification process including loads and analysis
- Introduction to Mechanical Systems for Civil & Military Aircraft and their Qualification
- Insight into Civil & Military Aircraft Avionic Systems and their Qualification
- Structural Dynamics Qualification of Aircraft : An integrated approach
- Aircraft Equipment Qualification for Civil & Military Applications : Challenges of DO-160 and MIL STD 810
- Design and Qualification aspects for Civil & Military Aircraft Landing Gears
- Ground Testing for Verification & Validation of Aircraft Structures and Systems

