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, Defence 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 centers 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.

Course Faculty & Chief Coordinator :

Mr. K.T.Thomas, Aerospace Industry Experienced Lead Auditor for AS9100C Certification, Trainer, Consultant and Former Dy. Director, DGAQA, Ministry of Defence, Email: ktthomascri@rediffmail.com

Course Co-coordinator :

Wg. Cdr. (Retd.) B. Prakash, Former DGM (Quality Control), HAL and Professor, IIAEM, Jain University, Email: balaram.prakash@gmail.com

Please send your nominations to :

Mr. Naveen S.
IIAEM, Jain University, 319, 17th Cross, 25th Main,
J. P. Nagar 6th Phase, Bangalore 560 078
Ph: 080 43430400 Extn.212, Fax: 080 26532730,
Mob: 09341324960, Email: iiaem@jainuniversity.ac.in,
Web: iiaem.jainuniversity.ac.in

A Three day Short Course On

QUALITY MANAGEMENT SYSTEMS, STANDARDS & PROCEDURES IN AEROSPACE AND DEFENCE

AS 9100

Quality

Process Objectives & Effectiveness

Audit & Certification

Design & Development

Standards

Customer Satisfaction

Risk Management

Configuration Management

25th 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) | SIATI

and

Society of Indian Aerospace Technologies and Industries (SIATI)

from

23rd (Thu) to 25th (Sat) June, 2016 from 9 AM to 5 PM

Venue: **Aeronautical Society of India, Suranjandas Road & Old Madras Road Junction, (Opp. to HAL Engine Division & near to Byappanahalli Metro Station) Bangalore - 560 075**

About the Short Course

AS 9100 Rev C compliance has already become a basic requirement demanded by major aviation, space and Defence Organisations. This course is designed to share the experience in certification and training services with organizations in multiple industries. This course will be especially useful to those organizations that need to upgrade their Quality Management System to Aerospace and Defence Industries. It is estimated that industries will need to train their personnel and management staff and the key suppliers' staff in a very short time, as industry benefits when suppliers and customers follow the same quality standards and provides a level playing field.

This course covers the topics associated with the implementation of Aerospace Standard AS 9100 C - Requirements for Aviation, Space and defence Organisations and preparing the organization for compliance and if needed by customers to get it audited for certification to the Standard.

Course Material / Notes

'A COMPLETE GUIDE TO IMPLEMENT AS 9100 C' by K.T. THOMAS, a reference book of 700 pages with detailed explanation for each element of the standard and other associated standards including model Quality Manual, Procedures, Templates / Formats for records (cost ₹ 1500/-) is issued free to all participants.

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.

Faculty

Lecture will be delivered by the quality experts, industry specialists and academicians.

Registration Fee per Participant

Corporate ---------- : ₹ 9,500/-
Academic, R&D Labs & Govt. Orgns : ₹ 8,500/-
Students ---------- : ₹ 6,000/-

Fee discount can be availed for a group of 5 participants

(Registration fee includes participation fee, course material, working lunch etc. The registration details (Name, Designation, Organization, Contact information) along with DD drawn in favour of **'IIAEM'**, Bangalore should reach our office before **18th June, 2016**).

Program Content
Day 1
1. Quality Management Systems – Introduction, Process Approach & Systems Approach
2. High level structure- the new structure of ISO Management Standards, Changes, Understanding the context of the organization, Quality objectives at relevant functions, levels and processes as per ISO 9001 - 2015
3. Overview of Standard AS 9100 Rev C : Quality Management Systems -Requirements for Aviation, Space and Defence Organisations
4. Statutory and Regulatory Requirements, Customer Specified QMS requirements, Special Requirements, Critical Items, Management of Key Characteristics
5. Documentation, Management Responsibility, Customer Focus, Resources,
6. Product Realization, Project management, Management Review
7. Risk management- Responsibility, risk criteria, identification and assessment , implementation and management of risks
8. Configuration Management-Planning, Identification, Change Control, Status Accounting, Audit
9. Customer Related Processes, Contract Reviews, Work Transfers
Day 2
10. Design and Development Process
11. Purchase Process- Supply Chain Management, Verification of Purchased products/Services
12. Production and service provision; Production Process Verification
13. Control of production process Changes
14. Control of production equipment, tools and software programmes
15. Post-delivery support
16. Validation of processes, including Special Processes, NADCAP Accreditation
17. Identification and Traceability; Customer Property
18. Preservation of product, FOD Control, FIFO, Life Monitoring
19. Control of monitoring and measurement equipment
20. Measurement, Analysis and Improvement ; Customer satisfaction
21. Control of non-conforming products ; Analysis of data
Day 3
22. Internal Audits ; Process Measurements; Product Measurements;
23. Improvement – Continual improvement, Corrective Actions: Root Cause Analysis and Corrective Actions
24. Preventive Actions, PFMEA, Risk Analysis Leading to preventive actions
25. Guidelines to Auditing: AS 9101 E, AS 9104-1 AND ISO 19011
26. Criteria - AS9100 Rev C, Using Process Approach, Checklists, Reporting Formats,
27. Requirements to be met by Organisations, Certification Body & Auditors, Follow up Actions
28. Exercises on Auditing, Identification of Non-conformities, Use of Checklist, Audit reporting, follow up actions after Audits.
29. Audit reporting: Identification of Non-conformities, Reporting

Note: A Pre-course test and Post-course test will be conducted