

SPONSORSHIP CERTIFICATE

Certified that Dr./Shri/Smt.....
..... is being sponsored from
..... for attending the short-term
course on “**Air Delivery Systems and Indoor
Environment Quality**” to be conducted at IIT Madras
during March 02 – 07, 2020.

.....
(Signature of Sponsoring/ forwarding authority with
date and seal)

REGISTRATION FEE

(a) Participants from AICTE recognized colleges:
No registration fee will be charged from the
teachers of AICTE recognized Engineering
Colleges. However, a caution fee of Rs. 1000/-
(Rupees One Thousand only) is to be paid along
with the application form. The caution money is
refundable to (a) applicants who are not selected
and (b) selected applicants who attend the course.

The participants from AICTE approved colleges will
be paid TA/DA (to and fro fare in 3 Tier AC by the
shortest route) as per the AICTE norms.

(b) Participants from other organizations:

Participants from Industry, Government
Departments, and Research Organizations have to
pay **Rs. 20,000/-** per candidate as registration fee.
This amount is to be sent along with the application
form.

Registration fee includes an electronic copy of the
lecture notes, lunch and refreshments.

MODE OF PAYMENT

All payments should be made through crossed
Demand Draft in favour of “**IIT Madras**” payable at
Chennai.

IIT Madras GSTIN 33AAAAI3615G1Z6

BOARDING AND LODGING

AICTE participants: Boarding and lodging will be arranged
in Taramani Guest House at IIT Madras on twin sharing
basis.

Participants from Industry/ Research organizations:
Boarding and lodging will be arranged in the Taramani
Guest House at IIT Madras or Hotel Ginger in IIT Madras
Research Park on payment basis.

IMPORTANT DATES

Submission of application form with sponsorship certificate
by post / scanned copy by email : January 13, 2019
Payment of course fee (scan by email) : January 13, 2019
Intimation to selected candidates : January 16, 2019

CONTACT DETAILS

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R & AC Laboratory
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Prof. Shaligram Tiwari (shaligt@iitm.ac.in)
Prof. Shiva Nagendra SM (snagendra@iitm.ac.in)

Course Web-Site

URL: <http://iitm.ac.in/News>



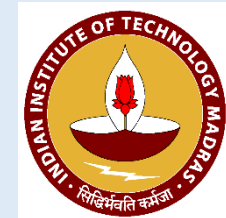
Gajendra Circle (GC), IIT Madras

QIP Short Term Training Programme on Air Delivery Systems and Indoor Environment Quality (Sponsored by AICTE, New Delhi)

March 02 – 07, 2020



Coordinators
Prof. M.P. Maiya
Prof. Shaligram Tiwari
Prof. S.M. Shiva Nagendra



Organized by

Departments of Mechanical and Civil Engineering
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
Chennai-600036, India

INTRODUCTION:

Air conditioning (AC) is becoming common due to its necessity but is energy intensive consuming more than 60% of the total building energy consumption. The demand of AC is growing, thus further straining the energy supply in the country. The large buildings are to be equipped with central AC system. The air delivery system (ADS) consumes nearly one-third of the total energy. Good air delivery and distribution are as important as conditioning of air for good thermal comfort. Indoor air quality (IAQ) is not always good and safe in buildings where hazardous chemicals are used or combustion process occurs. Indoor acoustics and lighting also play an important role for overall comfort of the occupants. In recent years, concerns over the poor indoor environment quality (IEQ) in AC buildings and consequent adverse effects have drawn wider attention.

OBJECTIVE:

The main objective of this course is to disseminate knowledge on the recent developments in ADS and IEQ through a series of lectures by experts in appropriate areas.

SLOT-WISE COURSE CONTENTS (provisional)

1. Inaugural keynote
2. Basics of air conditioning (AC)
3. Different AC systems
4. Air filters
5. Cooling coils
6. Fans and blowers
7. Air ducts
8. Air grills
9. Energy aspects in AC
10. Balancing and commissioning

11. Fire and smoke management
12. Site / laboratory visit 1
13. IAQ Fundamentals
14. IAQ, risk management and air sampling equipment
15. Fundamentals of IAQ modeling
16. IAQ and health issues
17. ADS in special applications such as data center / automobile / airports
18. Indoor lighting
19. Indoor Acoustics
20. Site / laboratory visit 2
21. Applications of CFD in ADS
22. Maintenance of ADS
23. Presentations by participants, discussion & feedback
24. Certificate distribution and valedictory keynote

The exact program with slot-wise distribution of lectures will be sent in due course of time to all those who register their "Expression of Interest" to attend the programme by email.

RESOURCE PERSONS

Resource persons for the course are both teaching faculty from IIT Madras and other reputed Institutes, and expert / guest speakers from industry / research organizations, specialized in various fields of air conditioning.

LECTURE NOTES

Soft copy of lecture handouts will be made available to the participants in a CD.

ELIGIBILITY

Teachers from AICTE recognized engineering colleges, practicing engineers from private and government organizations, scientists / engineers from R&D establishments are eligible to apply.

QIP Short Term Training Programme on Air Delivery Systems (ADS) and Indoor Environment Quality (IEQ)

(March 02-07, 2020)

APPLICATION FORM

(Last date for submission: Monday, 13 January 2020)

Name: _____

Designation: _____

Organization: _____

Mailing Address: _____

_____ PIN: _____

Phone (With STD Code) _____

Email: _____ FAX: _____

Educational Qualification: _____

Professional Experience (Years): _____

Please tick the appropriate box below:

From AICTE recognized college:

From Industry/Research Organization:

DD Details: Amount (in Rs) _____

DD Number: _____ Date: _____

Date..... Signature of the applicant

Please enclose sponsorship certificate along with this form.

For additional entries, please photocopy this form.