Application Form

STTP-QIP on
RECENT TRENDS IN INTELLIGENT TRANSPORTATION SYSTEMS
SEPTEMBER 19 – 24, 2011

Filled application should reach on or before **July 22, 2011**.

Name:
Age:
Designation:
Organization:

Mailing Address:

E-mail:

Educational Qualification:

Specialization:
Registered for Ph.D.: YES/NO
Experience in transportation field (teaching/research):

Date: Signature of Applicant

Sponsorship Certificate

(Required for teachers from AICTE recognized engineering institutions)
Certified that Dr./Shri/Smt.

is an employee of our institution and will be sponsored to attend the QIP short term course on RECENT TRENDS IN INTELLIGENT TRANSPORTATION SYSTEMS to be conducted at IIT Madras from September 19 -24, 2011, if selected.

Signature of sponsoring authority with date and seal

Send the completed application to:

Dr. Lelitha Devi, V.
Transportation Engg. Division
Department of Civil Engineering
IIT Madras, Chennai 600036
E-mail : lelitha@iitm.ac.in,
Ph: 044 22574291,
Fax: 044 22574252
http://civil.iitm.ac.in/?q=devi_edu
http://coeut.iitm.ac.in/

Profile of Dr. C. S. Shankar Ram:
http://ed.iitm.ac.in/~shankarram/

STTP – QIP COURSE ON "RECENT TRENDS IN INTELLIGENT TRANSPORTATION SYSTEMS"

SEPTEMBER 19 – 24, 2011

Sponsored by
All India Council for Technical Education

Coordinators
Dr. Lelitha Devi, V.
Dr. C. S. Shankar Ram

Organized by

Department of Civil Engineering
Indian Institute of Technology Madras
Chennai 600036

RECENT ADVANCES IN INTELLIGENT TRANSPORTATION SYSTEMS

BACKGROUND

India is facing major challenges in traffic management and control in recent years due to a rapid growth in economy, resulting in vehicle ownership levels growing at a rapid rate. However, the road space has not expanded at the same rate, leading to increase in travel time and congestion resulting in reduced level of service. There is a strong case to explore and devise better traffic management options, instead of expansion of infrastructure, to meet the growing demand.

One possible solution is the use of Intelligent Transportation Systems (ITS), which refer to application of software, hardware and communication technologies in an integrated fashion to the transportation system improving its efficiency and safety. This course will focus on various aspects of ITS including data collection, analysis and implementation.

OBJECTIVES

The primary goal of this short term course is to provide the participants with an in-depth understanding on recent trends in the area of Intelligent Transportation Systems (ITS), covering the facets of data collection, analysis, and implementation. The analytical and experimental tools necessary to achieve this purpose will be brought forth in this course.

COURSE CONTENTS

- Introduction to ITS
- Automated traffic data collection, extraction and processing
- Mathematical tools and techniques for ITS
- Review of recent research in ITS
- ITS research activities at IIT Madras – Sensor Development, Traffic Flow Modeling, Public Transport Information System, Advanced Traveler Information Systems
- Hands on activities in Traffic Engineering laboratory at IIT Madras
- Field visit

ELGIBILITY

Sponsored teachers from AICTE recognized engineering institutions are eligible to apply.

REGISTRATION

No registration fee will be charged to teachers of AICTE recognized engineering institutions.

VENUE

This course will be held in the Visweswaraya Seminar Hall in the Department of Civil Engineering, IIT Madras.

FACULTY

The faculty consists of experts in various disciplines from IIT Madras.

IMPORTANT

- Boarding and lodging for selected candidates (twin sharing) will be provided.
- Lecture notes will be provided at the time of registration.
- The selected candidates will be paid second class sleeper fare to and fro by the shortest route.
- A refundable caution deposit of Rs. 500.00 is to be paid by those selected for this course.
- **Notification of acceptance will be sent by July 29, 2011.**