Introduction

An important initiative has been taken by IIT Bombay, to work with Engineering Colleges in the country to enhance the teaching skills of our faculty colleagues in core Engineering and Science Subjects. This initiative has now become a part of the National Mission on Education through ICT (NMEICT) supported by MHRD. A theme paper outlining the details of the initiative is available here.

From December 2009 onwards, we have conducted two-week ISTE workshops on "Effective teaching/ learning of Computer Programming, and "Database Management Systems," under the NMEICT. These workshops were conducted through distance mode, using the EDUSAT network and the internet. These were attended by over 1300 teachers at 36 remote centers and 1039 teachers at 33 remote centers respectively. For the workshop on "Database Management Systems", the internet was the sole mode of transmission, and proved to be very effective.

Live lectures were given by IIT faculty; and the participating teachers attended them at a remote center close to their own college. Tutorial and lab sessions were conducted in the same centers. Each center had a Course Coordinator who supervised the conduct of tutorials and labs. All the lectures and tutorial sessions were recorded, and the final edited audio-visual contents, along with other course material will be released under Open Source. These contents can be freely used later by all teachers and students.

The resounding success of these workshops has encouraged us to organize another 2-week workshop, on **Basic Electronics** from 28th June - 8th July, 2011. This time, we have 38 institutes joining us on this mission, as Remote Centers through the Internet.

Teaching Faculty

Prof. Dinesh K. Sharma, Department of Electrical Engineering, IIT Bombay
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Prof. M. B. Patil, Department of Electrical Engineering, IIT Bombay
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Prof. Prakash R. Apte, Department of Electrical Engineering, IIT Bombay
http://www.ee.iitb.ac.in/~microel/faculty/Papte_body.html

Prof. Joseph John, Department of Electrical Engineering, IIT Bombay
http://www.ee.iitb.ac.in/wiki/faculty/jjohn

Course Content

Detailed course contents are available here. These will reflect the syllabus adopted by most universities for the subject "**Basic Electronics**." The participating teachers will also be introduced to the IIT style of teaching.

Duration and Venue

The duration of the workshop is **2 weeks (10 working days)**. It will begin at **09:30 am** on Tuesday, **28th June, 2011**, and end at **17:30 pm** on Friday, **08th July, 2011**. Additional contributions from participants are required to be made within the following two weeks.

These are detailed on the website
http://ekalavya.it.iitb.ac.in/eOutreachHome.do

The venues for the workshop will be **38 *Remote Centers***, the list of which is provided in this brochure.

Who may benefit

The workshop will benefit faculty colleagues who are teaching **Basic Electronics** in their colleges. They should have taught this subject at least once, and should be familiar with the syllabus and examination pattern of their own college or university.

Note

It is mandatory that while registering for the workshop, the participant should submit a scanned copy of a letter from the principal/HOD of his/her institute mentioning that he/she is an employee of the institute, and has been permitted to attend the workshop. Registration without this letter will not be entertained.

Please note that this workshop is conducted by the eOutreach project of IIT Bombay, under the **National Mission on Education through ICT**. Live recording of the course and other created contents will be released under Open Source through a portal. The recorded CD/DVD of the course lectures will be available for distribution at cost, to any individual or institution. All participants are required to sign an undertaking for such release of contents contributed by them during and after the workshop. The recognition and citation will naturally be made for all contributors.

Accommodation and other support

Remote Centers are being funded to provide tea/lunch on each day of the workshop, and for accommodation, wherever available*, for limited number of outstation participants. **Travel expenses up to Rs.1000 will be reimbursed against proof of actual expenditure.**
* Accommodation is not guaranteed.

Course Fee

Since the workshop is funded by the **National Mission on Education through ICT (MHRD**, **Government of India)**, there is **no** course fee for participation.

How to Apply

Those wishing to attend this workshop should enroll online **here** .

Enrollment will be strictly online, and no other applications will be entertained.

The online form contains a list of remote centers. From this list, please select a center close to your institute, where you would wish to attend the workshop. Last date for enrollment is **3rd June, 2011**. A list of selected participants will be put up on this website on **10th June, 2011.** The selected participants will also be informed by email.

LAST DATE FOR ONLINE ENROLLMENT:
3rd June, 2011.

For queries, contact

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Remote Centers

Andhra Pradesh
S.I.E.T, **Amalapuram**
Muffakham Jah College of Engineering and Technology

Hyderabad
Kakinada Institute of Engineering & Technology, **Kakinada**
S V U College Of Engineering, **Tirupathi**
National Institute of Technology, **Warangal**

Assam
Don Bosco College Of Engineering & Technology, **Guwahati**

Gujarat
Sardar Vallabhbhai National Institute of Technology, **Surat**

Haryana
National Institute of Technology, **Kurukshetra**

Jammu & Kashmir
DOEACC Center, **Srinagar**

Karnataka
Amrita School of Engineering, **Bengaluru**
Sri Jayachamarajendra College of Engineering, **Mysore**

Kerala
Amal Jyothi College Of Engineering, **Kottayam**
St Joseph`s College of Engineering, **Palai**

Madhya Pradesh
Jabalpur Engineering College, **Jabalpur**
IPS Academy, **Indore**
S.G.S Institute of Technology and Science, **Indore**
Truba College of Engineering & Technology**, Indore**

Maharashtra
Vidya Pratishthan`s College of Engineering, **Baramati**
D.K.T.E`S Textile & Engineering Institute, **Ichalkaranji**
K.J.Somaiya College of Engg., **Mumbai**
Visvesvaraya National Institute of Technology, **Nagpur**
Yeshwantrao Chavan College of Engineering, **Nagpur**
K.K.Wagh institute of Engineering Education & Research, **Nashik**
MES`s Pillai`s Institute of Information Technology, **New Panvel**
MKSSS`s Cummins College of Engineering, **Pune**
Finolex Academy of Management & Technology, **Ratnagiri**
Walchand College of Engineering, **Sangli**
R. C. Patel Institute of Technology, **Shirpur**

Rajasthan
Jaipur Engineering College, **Kukas**
Techno India NJR Institute of Technology, **Udaipur**

Tamil Nadu
Amrita Vishwa Vidyapeetham, **Coimbatore**
Anna University,,**Chennai**
SRM University, **Kancheepuram**
Mepco Schlenk Engineering College, **Sivakasi**
Periyar Maniammai University,**Thanjavur**
Vivekanandha College of Engineering for Women, **Tiruchengode**
Thanthai Periyar Government Institute of Technology, **Vellore**
Vellore Institute of Technology, **Vellore**

2-WEEK ISTE WORKSHOP

on

Basic Electronics

Under the

National Mission on Education through ICT
(MHRD, Govt. of India)

28th June to 8th July, 2011

Conducted by IIT Bombay

Coordinators:

Prof. D. K. Sharma
Prof. M. B. Patil
Prof. Prakash R. Apte
Prof. Joseph John
Dept. of Electrical Engineering

Project Coordinator:

Prof. D. B. Phatak
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