

Second CEP course on

Professional Development & Technology Orientation

(Secondary and Sr. Secondary Mathematics Teachers)

Organized by CEP Cell, I. I. T. Bombay

7-9 December, 2008, Venue: The Daly College,

INTRODUCTION

Mathematics education over the world is going through a great change. Curriculum planners all over the world are recommending radical reforms in math education to prepare all students to meet mathematical needs of the society. Concept of teaching, which was assumed to be processes of direct transmission of knowledge, is changing. Teaching is being viewed as a process of facilitating students' learning by creating a learning environment conducive to inquiry. This necessitates the teachers to upgrade and reorient themselves by:

- Strengthening one's knowledge of mathematics.
- Learning to use effective teaching strategies
- Becoming familiar with exemplary instruction material and resources.

- Learning effective use of technology in teaching and learning.

PROGRAM GOALS

The programme is conceived with two main goals:

- **Strengthening conceptual understanding of mathematical concepts:** There will be lectures by subject experts on various mathematical topics taught at secondary and senior secondary level. There will also be lectures on some special mathematical topics, normally not covered in the curriculum.
- **Technology orientation and training:** The second component will have intensive hands-on training on the use of technology to facilitate the processes of mathematics teaching and learning.

SCHEDULE AND TOPICS

The daily program will have two sessions. The pre-lunch session will

have three one hour lectures devoted to conceptual strengthening of various topics covered in secondary and sr. secondary level. Lectures are planned on the following topics:

- Calculus
- Geometry
- Permutations / Combinations

Afternoon sessions (two each of 2 hours) will be devoted to intensive hands on training on the following:

- Geometer Sketchpad in teaching
- Use of Autograph

WHO WILL BENEFIT

Secondary and senior secondary level teachers from schools / international schools affiliated with CBSC, ICSE, State Boards and IB.

COURSE VENUE

The Daley College, Indore

NUMBER OF SEATS

Minimum No.: 30, Maximum No.: 60

COURSE FEE

The programme is only for secondary and sr. secondary teachers from schools affiliated to an education board. Registration fee for each participant is Rs. 2000/= . Registration entitles the participant for registration material, lunch and refreshments between lectures. Limited accommodation is available for outstation participants.

All the registered participants will be given participation certificate

REGISTRATION

For registration, send details in the format given along with demand draft for Rs. 2000/= drawn in favor of

“Registrar, IIT Bombay (CEP A/c)”.

Latest by 15th November, 2008

LOCAL COORDINATOR

Applications for registration should be sent to the following latest by 15th November, 2008:

Amitava Saraswati
(Local Coordinator, 2nd PDTO)
Head, Dept. of Mathematics
St. Paul's School, Boundary Road,
Residency Area, Indore 452001
email: amitava.saraswati@gmail.com
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Locale Coordinating Partner

Mathematics Teachers Association, Indore

APPLICATION FORMAT FOR REGISTRATRATION

**Second CEP Course on Professional
Development and Technology Orientation
(for Secondary & Sr. Secondary Mathematics
Teachers)**

December 7-9, 2008

NAME (BLOCK LETTERS):

GENDER (M / F): _____

Name of the school and classes you teach:

MAILING ADDRESS: _____

EMAIL : _____

MOBILE: _____

TELEPHONE : _____ (O)

_____ (R)

ACCOMODATION NEEDED (Yes/NO): _____

D.D DETAILS (Amount, Bank and No.):

**"The Demand draft should be drawn in favor of
Registrar, IIT Bombay (CEP A/c)"**

Date & signature _____

Convener of the programme

Prof. Inder K. Rana,
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Indian Institute of Technology, Bombay
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Office of
Continuing Education Programme

***For
information on other Continuing Education
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PROF-IN-CHARGE (CEP), OFFICE OF
CONTINUING EDUCATION PROGRAMME
(CEP), INDIAN INSTITUTE OF TECHNOLOGY,
POWAI, MUMBAI - 400 076.

Tel. No.: 2572 6199 (D), 2576 7060.

Email : cep@iitb.ac.in,

For latest information on CEP, please visit our
home page at: <http://www.iitb.ac.in/~cep>

Technology Partners

