Objectives of the Course

Cutting-edge frontiers in technology and global competition has made it imperative for industry to continuously strengthen its research activities, a significant component of which involves problem formulation, analysis and computation. This component of research is vital also in the work of the personnel belonging to the R&D establishments.

The purpose of this course is to train design and R&D personnel in such organizations in Scientific Computation and MATLAB, and to assist them in discovering the power of these tools for problem solving in science and engineering. College/university teachers are also welcome.

Course Contents

Fundamental Issues in Scientific Computing; Introduction and Overview of MATLAB; Important Algorithms in Numerical Linear Algebra, Optimization, Mathematical Modelling and Differential Equations; Problem Solving and Graphics Applications in MATLAB; Hands-on Lab Sessions.

Course Fees:

General category	Rs.5000/-
College teachers / Students	Rs.2000/-

How to Apply

Those interested in attending the course are requested to fill the registration form enclosed and send the completed application with the demand draft payable to "Coordinator, Continuing Education Programme, IIT Kanpur" to

Dr. Bhaskar Dasgupta,
Department of Mechanical Engineering,
Indian Institute of Technology,
Kanpur — 208 016.

Important Points to Note:

1. In student category, a limited number of participants will be selected, based on seat availability.
2. In all cases, if we are unable to accommodate an applicant due to constraints on number of seats, the fee paid by him/her will be refunded.
3. No TA/DA is admissible in any case.
4. Accommodation and meals will be appropriately arranged for the participants, against normal institute charges.
5. While sending offer letters to participants, we will solicit a passport size photograph to be used in a pass for access to the Computer Centre and other facilities. You may, optionally, send it along with the application itself.

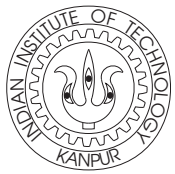
ANNOUNCEMENT

Short Term Course

on

Scientific Computing with MATLAB

During 4–8 October 2004



Computer Centre
Indian Institute of Technology
Kanpur

Coordinators:
Dr. B. Dasgupta
and
Dr. R. Tiwari

- *Mathematical Modelling*
- *Numerical Algorithms*
- *MATLAB as a Tool*

http://home.iitk.ac.in/~dasgupta/stc2k4b/

Contact:

Dr. Bhaskar Dasgupta,
Department of Mechanical Engineering,
Indian Institute of Technology,
Kanpur — 208 016.

Phone: 0512-2597995/2598706
Fax: 0512-2597995/2597408
Email: dasgupta@iitk.ac.in
URL: http://home.iitk.ac.in/~dasgupta

Dr. R. Tiwari,
Computer Centre,
Indian Institute of Technology,
Kanpur — 208 016.

Phone: 0512-2597796/2598551
Fax: 0512-2590413
Email: rt@iitk.ac.in
URL: http://home.iitk.ac.in/~rt

Mr. Vivek K. Shukla,
Centre for Robotics,
Indian Institute of Technology,
Kanpur — 208 016.

Phone/Fax: 0512-2597995
Email: ksvivek@iitk.ac.in

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Important:

Last date for receipt of application forms:

30 September 2004

Despatch of first round of offer letters:

9 August 2004

REGISTRATION FORM

(Please fill in block letters or type)

NAME :

SEX (for accommodation purposes) :

QUALIFICATION :

EXPERIENCE :

AREAS OF INTERESTS :

DESIGNATION :

DEPARTMENT :

INSTITUTE/ORGANIZATION :

FULL ADDRESS :

PHONE :
FAX :
EMAIL :
DEMAND DRAFT NUMBER, BANK AND DATE:

RECOMMENDATION OF HEAD OF INSTITUTION
(Needed only for availing teacher/student category benefit):

The applicant is a bona fide **teacher / student** of my institution. I recommend his/her participation in the course in the special category, because

_____

_____

_____.

SIGNATURE WITH SEAL

SIGNATURE OF THE PARTICIPANT

For office use only

Ref. No.: Photo: received/required

Remarks:

(Course Coordinator) Date: