

### Who can attend:

#### First Day-Introductory course

- Exclusively for School students
- Registration - FREE

#### Second & Third day-Advanced course

##### Registration fee

- For faculties and Research Scholars – Rs. 300
- For Industrialists – Rs. 500

The payment is to be made by demand draft, in favour of **The Principal, Thiagarajar College of Engineering, Madurai-15** payable at Madurai.

The course fee includes tea, working lunch and course material in CD-form.

### Important dates:

Last date for sending  
filled in applications : ~~20-11-2010~~ **30-11-2010**  
Intimation of selection  
(By e-mail) : ~~22-11-10~~ **1-12-2010**

### Location:

Nearest Airport: Madurai airport  
Railway station: Madurai Junction  
By road: 8 km from Madurai city

Accommodation and boarding will be provided on request basis. The candidates should bear the expense. No TA/DA will be given.

### Organising Committee:

#### Shri. Karumuthu T. Kannan

Chief Patron  
Vice Chairman & Correspondent  
Thiagarajar College of Engineering.

#### Dr. V. Abhai Kumar

Patron  
Principal  
Thiagarajar College of Engineering.

#### Dr. R. Vasuki

Head, Department of Physics.

#### Co-ordinator:

Dr. V. Gayathri  
Associate Professor  
Department of Physics.

### Mail to:

**Dr. V. Gayathri,**  
Co-ordinator (3DNEM 2010),  
Associate Professor,  
Department of physics,  
Thiagarajar College of Engineering,  
Thiruparankundrum,  
Madurai - 625 015, Tamilnadu.

Phone: 0452 -2482 240 (707, 708)

Mobile : + 91 99409 22541

E mail : 3dnem2010@tce.edu

## Thiagarajar College of Engineering

Madurai - 625015, INDIA

(A Govt. Aided, ISO 9001:2000 certified, Autonomous  
Institution, Affiliated to Anna University)



DST & BRNS sponsored

### 3 Day National workshop on ELECTRON MICROSCOPY (3DNEM 2010)

6 - 8 December 2010

Organized by  
**Department of Physics**  
(Website: <http://www.tce.edu>)



**DST & BRNS**

## About the college

Thiagarajar College of Engineering, Madurai, a Government aided Autonomous Institution, is one among the several educational and Philanthropic institutions founded by Kalaithanthal Karumuttu Thiagarajar Chettiar.

- Established in the year 1957
- Funded by central and state Governments and Management
- Approved by AICTE
- Granted Autonomy by UGC
- Accredited by NBA of AICTE
- Affiliated to Anna University
- Offers 7 Under Graduate Engineering programmes, 13 Post Graduate Engineering and Science programmes
- Recognized Research Centre for Ph.D

## About the Department

- Department of physics is a FIST supported department under DST
- In collaboration with other engineering departments offers M.S c Materials Science and Ph.D
- Programmes on various Specializations such as Carbon and other Nano Materials, Smart materials, Thin film materials and Composite materials
- Actively engaged in many technology development sponsored research projects from, DRDO, DST, DRDL, CSIR, DMSRDE, AICTE, ISRO, BRNS & MNRE

## Objectives of the course

- Participants will be drawn from Schools, Universities and R&D labs from all over India
- One day awareness programme exclusively for the school students
- Workshop has demo and hands on training for both faculties and young generation

## Workshop on Electron microscopy (3DNEM 2010)

Organized by  
Thiagarajar College of Engineering  
Madurai

Recently, Electron Microscopy has become important equipment to scientists and engineers working in the development of advanced materials that meet emerging challenges of materials technology, for different sectors namely energy, transport, space technology, defence and so on. Knowledge of the equipment and its capabilities is equally important for medical sciences as well. Considering this, efforts are taken to stimulate interest in budding future scientists and engineers to pursue a career in microscopy.

It is planned to conduct a 3- day workshop on electron microscopy, which covers an overall view on electron microscopy on the first day and followed by advanced sessions for scientists and research scholars.

On the first day, we aim to involve 150 of student participants. The program involves lectures by experts from DAE units like IGCAR, Kalpakkam in the morning session followed by demonstration of electron microscope in the afternoon.

It is our hope that the course will give them an opportunity to interact with the experts and peers who would deliver the motivating lectures on the topics like:

- Introduction to electron beam instruments
- Specimen preparation methods for electron microscopy
- Introduction to transmission electron microscope

The proposed advanced workshop involves participation of the research scholars and young scientists and faculty members of physics, chemistry, materials science engineering & medicine. It is limited to 150 participants including research scholars drawn from several Institutions on first come first serve basis. Advanced course on the following two days would be conducted by Prof. T. R. Ramachandran, Visiting Scientist, NFTDC, Hyderabad.

## Registration Form

DST & BRNS sponsored

**3 day National Workshop on  
ELECTRON MICROSCOPY (3DNEM 2010)**

**6 - 8 December 2010**

1. Name:
2. Designation:
3. Mailing Address:

Telephone:

Fax: E -mail:

4. Educational Qualification:
5. Accommodation required: Yes / No
6. DD enclosed: Yes / No

DD No: Date:

Bank:

Signature of the candidate:

**Signature of the Head of  
sponsoring Institution**