

**Who can Register?**

The Programme is open for all engineering students of 2nd year.

**Registration fee includes**

- 1) Course material
- 2) Participation certificate
- 3) Tea & snacks

**Only ISTE members are eligible to participate in the workshop.**

**Importance of course:**

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming environment. Furthermore, MATLAB is a modern programming language environment: it has sophisticated data structures, contains built-in editing and debugging tools, and supports object-oriented programming. These factors make MATLAB an excellent tool for teaching and research.

The availability of technical computing environment such as MATLAB is now reshaping the role and applications of computer laboratory projects to involve students in more intense problem solving experience. This availability also provides an opportunity to easily conduct numerical experiments and to tackle realistic and more complicated problems.

**GUEST LECTURE:**

Ms.YOGAMEENA  
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K.L.N.College of Engineering  
Pottapalayam-630 611.  
Madurai.Tamilnadu.

**One-Day Workshop  
on**

**"MATLAB for Beginners"**

**07-10-10  
(Thursday)**

**ISTE Chairman  
Dr.S.Ganapathy, Principal**

**ISTE Faculty Advisor  
V.Kejalakshmi  
Coordinators**

**Mr.V.Muthuganesh  
Mrs.R.Thilagavathy**



**Organized by  
ISTE Student Chapter**

**K.L.N COLLEGE OF ENGINEERING  
Pottapalayam - 630611  
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**Phone : 0452 2090971,2090972  
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### About the institute

K.L.N.College of Engineering has been the first self-financing co-educational Engineering college started in Madurai in 1994. The College has been affiliated to Anna University and approved by All India Council for Technical Education (AICTE). The College is located in the South Eastern outskirts of Madurai and is 11 kms away from Madurai city. The College runs 7 Under Graduate Engineering programs and 5 Master programs including M.E. Communication Systems.

### About ISTE

ISTE has a good reputation in the field of technical education and it strives hard in order to cultivate a fraternal spirit among teachers, administrators, technicians, investigators, practitioners and industrialists. ISTE cooperates with Central and State Governments industry and approved institutions, professional bodies, All India Council for Technical Education (AICTE), Ministry of Human Resource Development (MHRD), Department of Science and Technology (DST) and individuals in the cause of technical education and research. ISTE continues to be a leading non-profit making professional body in engineering in India.

### Madurai

Madurai is a place of great historical and cultural importance. It was the capital of Pandya Kingdom. Madurai is famous for its temples with its rich architecture and sculptural works such as Meenakshi Temple. Madurai is the second largest city in Tamilnadu with many Educational institutions and world-class hospitals. It is well connected by air, rail and road.

### FUNCTIONS OF MATLAB:

#### MATRIX:

Matrices are the basic elements of the MATLAB environment. A matrix is a two-dimensional array consisting of  $m$  rows and  $n$  columns.

#### VECTORS:

A vector is a special case of a matrix. An array of dimension  $1 \times N$  is called a row vector, whereas an array of dimension  $M \times 1$  is called a column vector. The elements of vectors in MATLAB are enclosed by square brackets and are separated by spaces or by commas.

#### PLOT:

MATLAB has an excellent set of graphic tools. Plotting a given data set or the results of computation is possible with very few commands. The plot functions have different forms depending on the input arguments.

#### DISPLAY:

disp function is simple to use. It provides limited control over the appearance of output.

#### FUNCTION:

MATLAB offers many predefined mathematical functions for technical computing which contain a large set of mathematical functions.

#### HANDS ON:

Lab session will be provided for the above mentioned topics.

### One -Day Workshop on

### “MATLAB for beginners”

**07-10-2010**

**(Thursday)**

### REGISTRATION FORM

**Name :**

**Department :**

**Year :**

**Organization :**

**Mobile no. :**

**E-mail id :**

**ISTE membership no.:**

**Date:                      Signature Of The Applicant**

**Signature & Seal of H.O.D:**