## One Day Workshop
On
### "Basics of MATLAB & SIMULINK"
By
## PANTECH ProEd

**Under TEQIP-II S.C.1.1**

**19th November, 2016**
Organized by
**Department of EEE & ECE**
**MALLA REDDY ENGINEERING COLLEGE**
**(Autonomous)**
Maisammaguda, Dhulapally, Secunderabad - 500100

### REGISTRATION FORM

1. Name                                :
2. Designation                      :
3. Qualification                     :
4. Organization                     :
5. Address for communication :

6. Phone with STD code Office:
    Mobile                             :
7. E-mail                              :
8. Date of Registration        :

Signature of the Applicant

This is to certify that
Mr/Ms…………….……………
is working in this Institution/
Organization …………………. …
since ….……….and is sponsored to attend the
One Day Workshop on **"Basics of MATLAB & Simulink"** which will be held at MREC (A), Hyderabad on 19th November, 2016.

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### PARTICIPANTS:

This workshop is addressed to all Non-Teaching staff from various departments who are interested to attend one day workshop on the awareness of MATLAB tools in Laboratory. At the end of the workshop, the participants will be able to apply this MATLAB tool boxes to the required application. This workshop will enhance the knowledge towards software development.

### DETAILS OF REGISTRATION:

**No Registration Fees**

Fill the registration form and send by post to MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS) should reach before the last date.

**Last date of Registration: 18th November 2016**
(Intimation through phone/E-mail is also accepted)
Kindly do the registration prior to avoid the last minute rush.

### Address for Correspondence:
Mr.P.Kamalakar                Mr. A R S Balaji
Coordinator                       Coordinator
Associate Professor,          Assistant Professor
Department of EEE           Department of ECE
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**Department of EEE & ECE**

**CONVENER**
**Dr. S. Sudhakara Reddy**
**Principal, MREC(A), Hyd.**

**CO-CONVENERS**
**Dr. M. Lakshmi Swarupa**
**Head, Department of EEE, MREC (A)**
**Mrs. P.S.Indrani**
**Head, Department of ECE, MREC (A)**

**COORDINATORS**
**Mr.P.Kamalakar,** Assoc. Prof, EEE
**Ms. K.Chetaswi,** Asst. Prof, EEE
**Mr. A R S Balaji,** Asst. Prof, ECE

**MALLA REDDY ENGINEERING OLLEGE**
**(AUTONOMOUS)**
**Maisammaguda, Secunderabad-500100**
**Ph.No:040-64634231**
**Website: www.mrec.ac.in**
**In Association with ISTE Chapters MREC (A)**

## ABOUT MREC

Malla Reddy Engineering College (Autonomous), Hyderabad, is the flagship Institution that was established in the year 2002 by founder Chairman, CMR Education Society, Sri Ch. Malla Reddy, M.P., with the approval of AICTE and affiliated to JNTU Hyd. The College is situated in the serene, lush green atmosphere on the Kompally - Bahadurpally road, opposite to T.S. Forest Academy. The college offers B.Tech. Courses in Civil, EEE, Mechanical, ECE, CSE and Mining,. It also offers 7 M.Tech courses and MBA. The college is an UGC autonomous institution and affiliated to the JNTUH, accredited $2^{nd}$ time by NACC with 'A' grade & NBA and recipient of World Bank assistance under TEQIP II S.C.1.1. The institute has quality infrastructure and well equipped laboratories. It frequently organizes National level Conferences, Faculty Development Programmes, Workshops and Seminars on Advanced Technical topics for the benefit of teaching and non-teaching faculty and students. Dr.S.Sudhakara Reddy is the Principal of MREC (A). He has rich teaching and industrial experience of almost three decades.

## Few highlights of the MREC (A) are

Excellent Research Centre with Latest Infrastructure, Wi-Fi enabled campus.
Pre Placement Training
Placements in TOP-Notch Companies, Well Furnished hostels and Indoor and Outdoor Games
Industry/Research experience
Technical case studies, online assignments & internal exams Guest lectures by experts from Industry

## ABOUT EEE DEPARTMENT

The Department of EEE has been established since the inception of the institution in the year 2002.The Department offers UG Course with an intake of 60 students and PG course in the area of Electrical Power Systems with an intake of 24. The Department has good infrastructure facilities and is equipped with full-fledged laboratories to fulfill the curriculum needs.

The Department has its own library and computing facilities to carry out various purposes like project works, seminars, workshops, software simulation etc. The department formed IEEE and ISTE student branch in the year 2007 for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures. The Department is having MOU with MKR Industrial Automation & Services Pvt. Ltd, Hyderabad, Pantech Pvt. Ltd., EPR Lab's etc.

## ABOUT ECE DEPARTMENT

The Department of ECE established in 2002, offers B.Tech programme in Electronics and Communication Engineering and Threee M.Tech Programmes namely, M.Tech in Embedded Systems, M.Tech in Digital Systems & Computer Electronics. The Department has 46 qualified faculty members of which 8 hold Doctorate degrees. The department is well equipped with the state of the art laboratories, audio visuals and software tools and is recognized by JNTUH. The department has excellent placement record and the graduated students of the department constantly secured several university ranks. The department has close interaction with leading institutions and universities for Research and Development. The department has successfully completed funded projects from research organizations and industries. The department has conducted many workshops, Conferences and development programs so far.

## ABOUT PANTECH

Pantech ProEdPvt Ltd., is the technology Solutions arm of the Pantech Group of companies. Pantech group is a pioneer in the field of technology solutions& state of the art product development.. It's an ISO 9001:2008 Certified Organization. The Pantech team has time and again proved its Versatility and adeptness in handling, incubating, developing and offering Excellent State of Art Research, Technology consultancy and solutions in Embedded , VLSI, DSP, Robotics, Power &Control Engineering, Cloud Computing, Android OS, Mobile Computing, Web Technologies, Big Data, Data mining, Machine Learning Etc.

## MATLAB & SIMULINK

The MATLAB platform is optimized for solving engineering and scientific problems. Millions of engineers and scientists worldwide use MATLAB to analyze and design the systems and products transforming our world. MATLAB is in automobile active safety systems, interplanetary spacecraft, and health monitoring devices, smart power grids, and LTE cellular networks. It is used for machine learning, signal processing, image processing, computer vision, communications, computational finance, control design, robotics, and much more. The matrix-based MATLAB language is the world's most natural way to express computational mathematics. MATLAB code can be integrated with other languages, enabling you to deploy algorithms and applications within web, enterprise, and production systems.

Simulink is a block diagram environment for multi-domain simulation and Model-Based Design. It supports simulation, automatic code generation, and continuous test and verification of embedded systems. Simulink provides a graphical editor, customizable block libraries, and solvers for modeling and simulating dynamic systems.

## WORKSHOP OBJECTIVES:

- To understand MATLAB programming.
- To use m-file programming practices.
- To develop, debug and test MATLAB.
- To solve problems using MATLAB-SIMULINK
- To use MATLAB Toolboxes.
- To use Simulink library blocks.
- To use MATLAB for creating applications

*Enabling a Technology Revolution that will positively change the face of the earth in terms of peace, wealth, equality and liberty.*