INTRODUCTION

ANSYS electromagnetic field simulation helps to design and innovative electrical and electronic products faster and more cost-effectively. In today's world of high performance electronics and advanced electrical systems, the effects of electromagnetic fields on circuits and systems cannot be ignored. ANSYS software can uniquely simulate electromagnetic performance of component, system design, and can evaluate temperature, vibration and other critical mechanical effects. This electromagnetic design helps to achieve system design for advanced communication systems, high-speed electronic devices, sensors, electromechanical components etc.,

OBJECTIVE OF THE PROGRAM

The main objective of this Five-Day Training Program is to make students learn how to implement the concepts and principles of Electromagnetic Fields, Electromechanical Machines, Power Electronics and Control Circuits by using ANSYS software and to apply the concepts to solve real world problems, which enhances their employability skills.

TOPICS TO BE COVERED

ANSYS: Introduction to ANSYS and solutions to simulation of simple electrical circuits.

ANSYS MAXWELL: Finite element method in Maxwell, Maxwell solution method, Error evaluation, Maxwell design types, RMxrpt, Maxwell 2D, 3D, GUI, Solvers, File structures, Directories, Libraries.

ANSYS Electric Machine Design: Maxwell with ANSYS RMxprt, is a template-based design tool. RMxprt calculates machine performance, makes initial sizing decisions, and performs hundreds of what-if analyses in seconds.

ANSYS electromechanical and power electronics simulation software: Ideal for applications which depend on the robust integration of motors, sensors, and actuators with electronics controls. ANSYS software simulates the

ANSYS solutions for Renewable Energy: Testing for the electrochemical performance of a fuel cell stack to optimizing the design of biomass reactors and photovoltaic collectors.

ELIGIBILITY

The program is open to EEE, ECE & EIE UG and PG students of AICTE approved Engineering colleges.

RESOURS PERSONS

Experts from ARK infosolutions Pvt Ltd,PUNE , will act as resource persons.

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REGESTRATION PARTICULARS

Application in the prescribed format duly sponsored by the Head of the Institution should reach the coordinators on or before **16.12.2017**. The soft copy of application (scanned copy) can also be sent to the coordinator.

Registration Fee (Cash payment only)

Rs.1500/- per student (Discount for students having Professional membership = Rs.400/-)

***** Spot registration is also allowed.

* Certificate will be issued at the end of the program to all the participants by ANSYS

*Fee will be collected at the time of registration.

ACCOMODATION

Limited Accommodation is available and will be provided on request.

ABOUT MYLAVARAM

It is situated at a distance of 40 km. from Vijayawada and is well connected by rail and road to various places in the country. Participants can reach to Mylavaram by boarding buses run by APSRTC towards Tiruvuru, Kothagudem & Bhadrachalam, city bus services (with number 350).

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)
MYLAVARAM – 521 230
Department OF Electrical and Electronics

Five-Day Training Program on
"ANSYS Software and its applications to Electrical Engineering" Co-organised by LBRCE IEEE Student Branch
18^{th} – 22^{nd} December, 2017

REGESTRATION FORM

1. Name of the participant :_____

2.UG/PG:_____

3. Year : _____

4. College:_____

5. Place:_____

6. Email:_____

7. Phone: _____

8. E-mail: _____

9. Accommodation Assistance :

Required YES NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course.

Place:

Date:

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr./Mrs./Ms. ----------, is an employee of our Institute/organization and is hereby sponsored to participate in Five-Day training Program on " **ANSYS Software and its applications to Electrical Engineering" Co-organised by IEEE LBRCE Student branch** during 18th – 22nd December, 2017 at Lakireddy Bali Reddy College of Engineering (Autonomous), Mylavaram.

Place:

Date:

Signature of Head of Institution
(With seal)

Note: Brochure & registration form can also be downloaded from college website.
http://www.lbrce.ac.in

IMPORTANT INFORMATION

Last date of receiving applications for participation is December **16th, 2017**.

Duration of the Programme:
Five days (18th -22nd December 2017)

Address for Correspondence:

Dr.M.S.Giridhar, Professor
Mr. A.V.Ravi Kumar , Asst. Prof.
Department of EEE
Lakireddy Bali Reddy College of Engineering (Autonomous)
Mylavaram- 521 230, Krishna (Dt) A.P.
E-mail: munigoti7@gmail.com
ravi0258@gmail.com
Mobile: +91 9492071771
+91 9291496400

ABOUT THE INSTITUTE

The LBR College of Engineering (LBRCE) is located at Mylavaram, and is spread over 56 acres of sprawling lush green landscape spotted with orchids and grooves. LBRCE received Autonomous status from the academic year 2010-11. Institution certified by **ISO 9001:2008** and Accredited by **NAAC with 'A'** Grade. EEE, ECE and MECH undergraduate programmes are accredited by **NBA** for two years (Outcome Based Education criteria). LBRCE has a profound focus on research and has **7 advanced labs** in various Departments and 4 departments (EEE, ECE, CSE, MECH) are recognized as **Research Centers of excellence** by JNTUK, Kakinada. The place is a hub of leading power plants like NTTPS, LANCO Power and Industries like APHMEL, HPCL and Bharath Petroleum.

LBRCE has sophisticated infrastructure, supported by a dedicated team of well qualified and experienced faculty. LBRCE offers B.Tech Courses in CSE, Civil, ECE, EEE, EIE, IT MECH, Aerospace Engineering and P.G. programmes: M.B.A., M.C.A, & M.Tech Courses in EEE, ECE, CSE, IT and Mech. All laboratories are equipped with state of the art facilities backed by advanced computer systems with latest software. The library has over **51,000** books spanning **13,500** titles. It subscribes over **110** National journals and **55** Technical and general magazines. A digital library is a part of this facility with over **6506** VCD collections produced from IITs, EKALAVYA and SONET . The students have access to **230Mbps** dedicated internet line and also to DELNET to supplement their classrooms teaching.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering offers an undergraduate program in Electrical & Electronics Engineering and a Post-graduate program in the specialization of Power Electronics & Drives. The Department has well qualified faculty and good laboratory facilities. EEE Department is recognized as research centre by JNTUK, Kakinada. Department has licensed software MATLAB(R2016a), PSCAD/EMTDC, LABVIEW, ETAP, MULTISIM and DIGSILENT. The department regularly conducts Guest Lectures / Seminars / Workshops / Technical paper contests for the benefit of both faculty and student community.

Five-Day Training Program on "ANSYS Software and its applications to Electrical Engineering" by LBRCE IEEE Student Branch

18th – 22nd December, 2017

Chief Patrons

Er. Lakireddy Bali Reddy, *Chairman*
Sri L.Jaya Prakash Reddy, *Co-Chairman*
Sri L.Prasad Reddy, Vice *Chairman*

Patrons

Sri G. Srinivasa Reddy, *President, LBRCT*
Er.K.Timma Reddy,Director ,Infrastructure
Dr. K.Apparao, *Principal*
Dr. K.Srinivasa Reddy*, Vice-Principal*

Convener

Dr. M. UmaVani, *Prof. & HOD*

Coordinators

Dr.M.S.Giridhar, Professor
Mr. A.V.Ravi Kumar , Asst. Prof.

Organized by

Department of Electrical and Electronics & Co-organised by IEEE student branch of L.B.R.C.E
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Mylavaram, Krishna (Dt)
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