

DEPARTMENT OF EEE  
BAPATLA ENGINEERING COLLEGE  
(Accredited by NBA)

A TWO DAY NATIONAL WORKSHOP ON  
**COMPUTER APPLICATIONS TO  
POWER SYSTEMS USING MIPOWER**  
(A Faculty Development Programme)  
JULY 26th – 27th, 2012  
**REGISTRATION FORM**

Name :  
Designation :  
Institution :  
Mailing Address :

Mobile :  
E-Mail (compulsory) :  
Registration Fee :  
Participation category :  
(Faculty / Industry / R&D / Student)

**Place:**  
**Date:**                      **Signature of Applicant**

**Sponsorship Certificate**

Mr. /Ms. \_\_\_\_\_ Is an employee of  
our organization and is hereby sponsored to  
the workshop on CAPS.

He /She is permitted to participate in the  
Workshop if selected.

Place:  
Date:  
  
Signature of Sponsoring  
Authority (with Seal)

**ORGANAIZING COMITTEE**

***Chief Patron***

Sri. M. Seshagiri Rao  
Chairman  
Bapatla Engineering College, Bapatla

***Principal***

Dr. K. Srinivasu

***Convener***

Dr. M. Bala Krishna  
Prof. & HOD, EEE Dept, BEC.

***Co-convener***

Sri B. Shanker M.Tech NITW  
Lecturer, EEE Dept

**Schedule of Workshop:**

**July 26<sup>th</sup>, 2012**

**08.00 am To 09.00 am: Registration**  
**09.00 am To 09.30 am: Inaugural Function**  
**09.30 am To 11.00 am: Session 1**  
**11.00 am To 11.30 am: Break**  
**11.30 am To 01.00 pm: Session 2**  
**01.00 pm To 02.00 pm: Lunch Break**  
**02.00 pm To 05.00 pm: Hands on Experience**

**July 27<sup>th</sup>, 2012**

**08.30 am To 10.30 am: Session 3**  
**10.30 am To 11.00 am: Break**  
**11.00 am To 01.00 pm: Session 4**  
**01.00 pm To 02.00 pm: Lunch Break**  
**02.00 pm To 04.00 pm: Hands on Experience**  
**04.00 pm To 05.00 pm: Valedictory Function**

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ON  
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**Organized By**  
**DEPARTMENT OF**  
**ELECTRICAL & ELECTRONICS**  
**ENGINEERING**



**BAPATLA ENGINEERING COLLEGE**  
(AUTONOMOUS)  
(Approved by AICTE)  
**Bapatla, Guntur(Dist.) A.P. 522101**



## BAPATLA ENGINEERING COLLEGE

This College is one of the 25 Colleges out of 234 Engineering Colleges in Andhra Pradesh, which is accredited by the National Board of Accreditation (NBA) of the All India Council for Technical Education (AICTE), New Delhi. The six B.Tech. Courses, which are accredited, being: - CIVIL, CSE, ECE, EEE, EIE & Mechanical. Apart from the above, two more B.Tech courses viz. IT and Chemical Engineering are also accredited. The college has been selected as a reference institute for the Technical Education Quality Improvement Programme (TEQIP).

### College Profile

Bapatla Engineering College (Autonomous) was established by the Bapatla Educational Society in the year 1981 with a total intake of 180 students in CE, ME & E.C.E branches. The present intake in nine B.Tech Courses is **960**. College is having five PG programmes with intake of 106.

### DEPARTMENT PROFILE

EEE Department was established in the year 1995. It has a remarkable academic history of achieving University ranks, GATE scores and placements in both national and international organizations. A few of these achievements are as follows

#### University ranks

1<sup>st</sup> & 2<sup>nd</sup> in 1999, 1<sup>st</sup> & 5<sup>th</sup> in 2000,  
1<sup>st</sup> & 3<sup>rd</sup> in 2006, 3<sup>rd</sup> in 2007, 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> in 2008,  
1<sup>st</sup> & 3<sup>rd</sup> in 2009, 4<sup>th</sup> in 2010.

#### All India GATE Ranks

12<sup>th</sup>-(2000), 4<sup>th</sup>-(2005),  
11<sup>th</sup> and 26<sup>th</sup>-(2008), 47<sup>th</sup>-(2009)

#### Faculty

It has highly qualified, experienced and committed faculty. NBA of AICTE accredited the department twice so far.

#### Salient Features of Our Labs:

The labs of the department are equipped with state the equipment cost of **Rs14600000**.

#### The Major Equipment Includes:

- Dissectible Machine-Labvolt, CANADA
- Winding Kit- Labvolt, CANADA
- Power Network Analyzer-UNIPOWER, SWEDEN
- Universal Numerical Relay-Cspc, SPAIN
- Cable Fault Locator- Seba Dynatronic, UK
- Thermal Image Camera-Flir System, SWEDEN
- DSP Based Drives-Techno Soft
- Transmission Line-Honalec Energy Systems
- PSCAD ,ETAP ,PSIM, MIPOWER, MULTISIM, MATLAB

### COURSE OBJECTIVE:

The main objective of the workshop is to provide an opportunity to the faculty members of engineering colleges and practicing engineers to actively interact with the experts dealing with recent advances in power systems both from industry and academia. MiPower is a highly interactive, user-friendly windows based Power System Analysis package. It includes a set of modules for performing a wide range of power system design and analysis study. MiPower features include a top notch Windows GUI with centralized database. Steady state, transient and electro-magnetic transient analysis can be performed with utmost accuracy and tolerance. The lectures will be in the following areas:

- **Simulation of Power System Components**
- **Load Flow Analysis**
- **Short Circuit Studies**
- **Transient Stability Studies**
- **Relay Co-ordination**
- **Voltage Instability Analysis**
- **Power Quality and Harmonic Analysis**
- **Unit Commitment Problem**
- **Sub-Synchronous Resonance**
- **Long term Load Forecast**
- **EMTP**
- **Single Area and Multi Area LFC**

### RESOURCE PERSONS:

Resource persons are drawn from Power Research & Development Consultants (PRDC), Bangalore.

### ELIGIBILITY:

The workshop is open to the faculty members of AICTE approved technical institutions, research Scholars and persons working in R&D organizations and industries. The number of participants is limited. The completed application forms along with the registration fee should reach the Co-Convener on or before 21-07-2012.

### REGISTRATION AND FEE PARTICULARS:

Registration for participating in the workshop may be done by sending the application in the prescribed format duly sponsored by the Head of the Institution. Application form may be downloaded from the college website:

[www.becbapatla.ac.in](http://www.becbapatla.ac.in)

### Fee Particulars:

Teachers, Research scholars & PG Students: Rs.300/-  
Engineers from Industry : Rs.500/-

### Registration fee:

Demand Draft drawn in favour of **“Principal Bapatla Engineering College, Bapatla”**, Payable at Bapatla.

**Note:** TA & DA will not be paid to the participants

### IMPORTANT DATES:

Last date for submission of application: 21-07-2012

Intimation of selected candidates : 23-07-2012

\*\*through E-mail / SMS\*\*

### ADDRESS FOR CORRESPONDENCE:

#### Sri.B.Shanker

Co-Convener,  
COMPUTER APPLICATIONS TO POWER SYSTEMS USING MIPOWER

Department of EEE

Bapatla Engineering College

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