

DEPARTMENT OF EEE  
BAPATLA ENGINEERING COLLEGE  
(Accredited by NBA&NAAC)

**A THREEDAY FACULTY DEVELOPMENT  
PROGRAMME**

**ON**  
**FEEDBACK CONTROLLERS FOR  
RENEWABLE ENERGY SYSTEMS IN  
MICRO GRID**

**SEPTEMBER 27<sup>th</sup> – 29<sup>th</sup>, 2018**  
**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)

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President,Bapatla Education Society

Sri.M.Nageswara Rao,  
Secretary, Bapatla Education Society

**Patron**

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Principal,Bapatla Engineering College

**Convener**

Dr.N.Rama Devi,  
Professor. & HOD, EEE Dept, BEC.

**Co-convener**

Mr.B.Vijaya Krishna,  
Asst.professor, EEE Dept

**Organising Committee**

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Professor,EEEDept  
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**A THREE DAY FACULTY DEVELOPMENT  
PROGRAMME**

**ON**

**FEEDBACK CONTROLLERS FOR  
RENEWABLE ENERGY SYSTEMS IN  
MICRO GRID**  
**SEPTEMBER 27<sup>TH</sup> – 29<sup>TH</sup>, 2018**



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



**BAPATLA ENGINEERING COLLEGE**  
**(AUTONOMOUS)**  
**(Approved by AICTE)**



### 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 EEE, ECE, CSE, CE, & ME branches. The present intake in B.Tech Courses is 1080. College is having five PG programmes with intake of 108 and PG courses in sciences and Master in computer Application with a total intake of 270. **Recently 400Kwp Grid tied Solar Energy System is installed in the college campus as a part of green energy.**

### 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. NBA of AICTE accredited the department thrice so far. 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)

#### 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- SebaDynatronic, UK
- Thermal Image Camera-Flir System, SWEDEN
- DSP Based Drives-Techno Soft
- Transmission Line-Honalec Energy Systems
- PSCAD ,ETAP ,PSIM, MIPOWER, MULTISIM, MATLAB

### OBJECTIVE:

- To Provide an overview on different feedback controllers
- To produce the impact on renewable energy
- To expose the knowledge on Renewable energy Systems
- To deliver the outcomes and effectiveness of different controllers for micro grid
- To improve the skills of the faculty members and research scholars in different domain applications of PECs and micro grid

### FDTP TOPICS:

- Introduction to DC/AC micro Grid
- Operation & Control of Standalone/Grid connected Solar PV Systems
- Designing of Controllers for wind driven Induction Generators
- Introduction to Multiple Control Structure.
- Development of Variable Structure Controllers for Contemporary DC-DC Converters
- MATLAB/Simulink implementations For Different Variable Structure Controllers

### RESOURCE PERSONS:

1. **Dr. K.Srinivas Bhaskar**, PDF  
Assistant Professor, Dept of EEE  
IIT BHUBANESWAR
2. **Dr. S. Senthil Kumar**,  
Associate Professor, Dept of EEE  
NIT, TRICHY
3. **Dr. K. Ramash Kumar**,  
Professor, Dept of EEE,  
KCE, Coimbatore

### REGISTRATION FEE:

Students/Research Scholars	: Rs.800/-
Academicians	: Rs.1000/-
Industrial Persons	: Rs.1200

### HOW TO APPLY:

The Participants can send their duly filled-in registration form to the convener along with the Demand Draft drawn in favor of "**Principal Bapatla Engineering College, Bapatla**", Payable at Bapatla. The registration fee includes Kit, lunch and refreshments.

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

### IMPORTANT DATES:

Last date for submission of application: **25-09-2018**

Intimation of selected candidates : **26-09-2018**

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

### ADDRESS FOR CORRESPONDENCE:

**Sri.B.Vijaya Krishna**  
Co-Convener,  
*Feedback Controllers For Renewable Energy Systems In Micro Grid*

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