

About BEC Bapatla

The Bapatla Engineering College (Autonomous), one of the seven educational institutions sponsored by the Bapatla Education Society, was established in 1981 with a vision to impart quality technical education and is affiliated to **Acharya Nagarjuna University**. The College is a little away from the din and bustle of Bapatla, a town with a historic and hoary past, about 75 Km. south of Vijayawada on Chennai-Vijayawada rail route. The college offers B.Tech. Programs in 8 branches of Engineering- Civil, Computer Science, Electronics and Communications, Electrical and Electronics, Mechanical Engineering which are thrice NBA accredited Electronics and Instrumentation, Data Science and Cyber Security Engineering which are accredited twice and Information Technology which is accredited once. The college also offers 5 Post Graduate programs in Communication Engineering & Signal Processing, Computer Science, Structural Engineering, Power Systems and CAD/CAM.

About Bapatla:

Bapatla is a small town on the main railway line to Chennai. Located in the Guntur district of Andhra Pradesh, Bapatla is calm and secluded haven by the sea. The beach is famous as 'Suryalanka' and is about 6 km from the main town. Home to an Air Force Station and several universities, it is renowned as a prominent educational research hub. With the rustic charm of its quaint environs, Bapatla promises to be a delight.

About The Department:

This Department was established in 1995 and now offering Diploma (DEEE) with an intake of 60, B.Tech (EEE) with an intake of 180 and M.Tech (Power Systems engineering) with an intake of 18. The department has Electrical Machines Lab, Computer Simulation Lab, Power Electronics Lab, Electrical Measurements Lab, Control Systems Lab, Micro processors Lab, Electrical Workshop Lab and Power Systems Lab with state of art equipment. The major equipment includes Power Network Analyzer, DSP Based Drives, Digital Storage Oscilloscopes, Cable Fault Locator, Thermal Image Camera, Numerical Relay Test Kit and Lab Volt Electromechanical Training kit. The Professional Software's available include PSCAD, ETAP, MATLAB, PSIM and MIPOWER. The students of the department have bagged 5 times University First Ranks and all India 4th, 11th and 12th etc. in GATE so far.

About the Program:

This program will be a platform to train the members towards the applications of Soft Computing Techniques in Electrical Systems and provide an avenue for research in the various fields of Electrical Engineering.

Objectives of the Program:

- To train the participants towards applications of soft computing Techniques in electrical systems.
- To educate participants about analysis of various faults in transmission lines using MATLAB.
- To familiarize participants on impact of various harmonics in power quality.
- To educate participants about impact of electric spring technology used in DC Micro-grid.
- To familiarize participants about modelling and analysis of power converters using MATLAB.
- To educate participants about controller design issues for power converters used in Renewable energy applications.
- Modelling and Simulation of Grid Connected SPV System with Active Power Filtering Features
- Protection of Distribution network with Renewable energy-based DG.
- To train the participants with hands on Experiences & IOT Applications in Electrical engineering.

Resource Persons:

- **Dr. G. Ravi Kumar, M.Tech., Ph.D**
- **Dr. N. Rama Devi, M.Tech., Ph.D**
- **Dr. N. Karthik, M.Tech., Ph.D**
- **Dr. K. Kamala Devi, M.Tech., Ph.D**
- **Dr. P. Sampath Kumar, M.Tech., Ph.D**
- **Dr. J. Pardha Saradhi, M.Tech., Ph.D**
- **Dr. J. Ravindra, M.Tech., Ph.D**
- **Mr. N. Bala Krishna, M.Tech., (Ph.D)**

Address for Correspondence:

Convener, STTP-SCTES
Department of Electrical and Electronics,
Bapatla Engineering College,
Bapatla- 522101, Guntur Dist. A.P.



One Week Online

Short Term Training Program

on

**"Soft Computing Techniques in
Electrical Systems"**

14th - 19th March, 2022

REGISTRATION LINK:

<https://forms.gle/WyLHeDFGWnKMMmMd9>

REGISTRATION FEE:

No Registration Fee.

Eligibility:

Faculty members from AICTE approved Engineering Colleges, Working Professionals and practicing Engineers from various Research Organizations and Industries, Post Graduate Students, Under Graduate students of Electrical stream And Research Scholars Can Apply.

Important Dates:

Last date for Registration : 12-03-2022

Confirmation through mail : 13-03-2022

**PLATFORM:
Microsoft Teams**

Advisory Committee:

Dr. N. Rama Devi, Ph.D., Professor Dr. K.

Ramesh, Ph.D., Assoc Professor Dr. N. Karthik,

Ph.D., Assoc Professor Dr. Ch. Sridhar, Ph.D.,

Asst.Prof

Dr. K. Kamala Devi, Ph.D., Asst.Prof

Dr. P. Sampath Kumar, Ph.D., Asst.Prof Dr. J. Pardha

Saradhi, Ph.D., Asst.Prof Dr. B. Vijaya Krishna,

Ph.D., Asst.Prof Dr. M. S. Dinesh, Ph.D., Asst.Prof

Organizing Committee:

Mr. G. Rajesh, Asst.Prof

Mr. Ch. Hari Prasad, Asst.Prof Mr. G. Anil

Kumar, Asst.Prof Mr. N. Bala Krishna,

Asst.Prof Mr. B. Praveen Kumar, Asst.Prof

Mr. M. Suresh Babu, Asst.Prof

Mr. M. Sivaramakrishna, Asst.Prof Mr. G. Sai

Goutham, Asst.Prof Mrs. M. Nagendra,

Asst.Prof

Mrs. D. Nagalakshmi, Asst.Prof

Mr. P. Karimulla, Asst.Prof

Mr. S. Subrahmanyam, Asst.Prof

Chief Patrons:

Sri. Muppalaneni Srinivasa Rao

- President

Sri. Doppalapudi Rama Mohan Rao

- Vice-President-1

Sri. Gelli Dileep Kumar

- Vice-President-2

Sri. Manam Nageswara Rao

- Secretary

Sri. Kommineni Hari Padma Prasad

- Joint Secretary

Sri. Thalluri Ramakrishna Rao

- Treasurer

Patron:

Dr. V. Damodara Naidu

- Principal

Convener:

Dr. G.Ravi Kumar

- Professor & HOD,
EEE Department

Co-Conveners:

Dr. J. Ravindra,

- Asst.Prof,
EEE Department

Mr. K. Rajendra,

- Asst.Prof
EEE Department

Student Coordinators:

G.Pavan Sitaram, 4th year EEE

Mobile: 7013178421

L. Bindu Tejeswar Reddy, 4th year EEE

Mobile: 9618828905

V. Karthik, 4th year EEE

Mobile: 8309703602

Vision of the Department

The Department of Electrical & Electronics Engineering will provide programs of the highest quality to produce globally competent technocrats who can address challenges of the millennium to achieve sustainable socio - economic development.

Mission of the Department

- M1. To provide quality teaching blended with practical skills.
- M2. To prepare the students ethically strong and technologically competent in the field of Electrical and Electronics Engineering.
- M3. To motivate the faculty and students in the direction of research and focus to fulfill social needs.



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Organized by

**Department of Electrical & Electronics Engineering
Bapatla Engineering College :: Bapatla**

(Autonomous)

(Affiliated to Acharya Nagarjuna University)

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