

Advisory Committee:

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Dr. **N. Karthik**, Ph.D., Assoc Professor
Dr. **Ch.Sridhar**, Ph.D., Asst.Prof
Dr. **K. KamalaDevi**, Ph.D., Asst.Prof
Dr. **P.SampathKumar**, Ph.D., Asst.Prof
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Dr. **J. PardhaSaradhi**, Ph.D., Asst.Prof
Dr. **J.Ravindra**, Ph.D., Asst.Prof
Dr. **M. S.Dinesh**, Ph.D., Asst.Prof

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Mr. **G.Rajesh**, Asst.Prof
Mr. **G.AnilKumar**, Asst.Prof
Mr. **N. Bala Krishna**, Asst.Prof
Mr. **K.Rajendra**, Asst.Prof
Mr. **B.PraveenKumar**, Asst.Prof
Mr. **M. SureshBabu**, Asst.Prof
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Mrs. **D.Nagalakshmi**, Asst.Prof
Mr. **P.Karimulla**, Asst.Prof
Mr. **S. Subrahmanyam**, Asst.Prof
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Ms. **K.Pranati**, Asst.Prof
Ms. **M.Pavani**, Asst.Prof

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Dr. **SK.Nazeer**
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Convener:

Dr. **G.Ravi Kumar**
Professor & HOD, EEE - Department

Co-Conveners:

Dr. **N.Rama devi**,
Professor EEE - Department
Mr. **M.Sivaramakrishna**
Asst.Prof - EEE Department
Mr. **CH.Hari prasad**
Asst.Prof - EEE Department

Student Coordinators:

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A THREE - DAY HANDS ON TRAINING PROGRAM on " PCB DESIGN & FABRICATION "

28th - 30th July , 2022



Organized by
**Department of Electrical & Electronics
Engineering**
Bapatla Engineering College :: Bapatla
(Autonomous)

(Affiliated to Acharya Nagarjuna University)

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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 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 10 branches of Engineering- AI , ML , 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 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 120 and M.Tech (Power Systems engineering) with an intake of 9. 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, IOT Lab & Electronics design 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. To bridge the gap between Curriculum & industry by conducting various events which are planned well before the commencement of Academic year. In 2021 - 22 Academic year we got 131+ campus placements to the EEE students.

About the Program:

The **Three - day hands on training program** on “**PCB Designing & fabrication**” is aimed to provide knowledge about Complete PCB Designing using simulation tool to test Electrical & Electronics circuit in software environment and also its Fabrication . Software tools like LT Spice & KiCad & Proteus to make physical PCB at home so that any student can make project on his own.

Objective of the Program:

The **Three - day hands on training program** on “**PCB Designing & fabrication**” will enable the candidates to master the skill of designing PCB's at professional level and develop project at a phenomenal pace easily. One of the most required and sought after skills in the electronics industry is that of project development and PCB designing for various applications. These applications may vary from prototyping for a student mini project, to a highly advanced industry application. At the end of this course, candidate will be able to design a Printed Circuit Board .

Topics to be covered:

- ❖ Circuit Simulation with LT Spice.
- ❖ PCB Design with KiCad.
- ❖ Component Footprint Design.
- ❖ Integrated Library Design.
- ❖ Soldering of Components on to PCB.

Resource Persons:

Mr.S.Kedarnath

Design Consultant

Bhumitra Technologies-Tirupati

Mr M.Sivaramakrishna

Asst.Prof -EEE Dept. BEC

Mr.CH. Hari Prasad

Asst.Prof -EEE Dept. BEC



A THREE - DAY HANDS ON TRAINING PROGRAM

on
" PCB DESIGN & FABRICATION "

28th - 30th July , 2022

REGISTRATION LINK:

<https://forms.gle/1ionDweY5MPFsYoFA>

REGISTRATION FEE:

UG/PG -Students - Rs 300/-

Industry/Faculty /
Research Scholar - Rs 500/-

***Note: KIT will be provided to for every 3/4 Participants**

****Note: All the participants should pay the registration amount at registration desk in EEE department**

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 : 25-07-2022

Confirmation through mail : 26-07-2022