



Bapatla Engineering College
(Autonomous)
Affiliated to Acharya Nagarjuna
University, Guntur, Andhra Pradesh.

**A Three Day Online
Faculty Development Program
On
Applications of Deep Learning
Techniques to 5G and Beyond 5G
Wireless Communication Technologies
(19th to 21st September 2022)**

**Organized by
Department of
Electronics and Communication Engineering**



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ABOUT THE COLLEGE

Bapatla Engineering College (Autonomous) was established by Bapatla Education Society in the year 1981 and is reckoned for its academic excellence in engineering & sciences. It is a constituent institution of Acharya Nagarjuna University and is one of the best private engineering institutions in the southern region. BEC offers graduate courses in 8 disciplines with total intake of above 1000 students, 5 post-graduate courses in CSE, CAD/CAM (Mech), PE (EEE), SE (CIVIL) and CESP (ECE). 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. All departments have well equipped laboratories in addition to the common facilities of workshops, central library, state-of-art central computing facility, sports facilities and Innovation Centres that houses research and testing facilities for industrial projects and technology labs to promote inter-disciplinary research activities.

ABOUT THE DEPARTMENT

The Department of Electronics & Communication Engineering is established in 1981 and have experienced, well-qualified, committed, and motivated faculty with specializations in various streams. Currently ECE Department offers a 4 year Graduate Program (B.Tech) in Electronics & Communication Engineering (ECE) and Post-Graduate (M.Tech.) Program in Communication Engineering & Signal Processing (CESP), The Department was accredited thrice by NBA of AICTE and NAAC.

OBJECTIVES OF FDP

The main objective of this Three-day faculty development program is to familiarize the participants with One of the significant developments in 5G communication is the use of Massive MIMO, UAV, Drone, Artificial Intelligence (AI), and Deep Learning (DL) for wireless networks. This FDP will be beneficial to the faculties and researchers working in the allied areas of wireless and mobile communication. The current building blocks of a wireless system mainly rely on AI/DL-based physical layer networks. Therefore, considering the importance of DL and AI in wireless communications, this Faculty Development Program (FDP) is planned to enlighten up-to-date review of wireless system concepts such as 5G and the role of DL techniques in these future wireless systems.

The FDP mainly focuses:

- Unmanned Ariel Vehicles
- DL based RF Signal Classification
- ML based IoT Systems

Chief Patrons

Sri. Muppalaneni Srinivasa Rao, President, BES
Sri. Doppalapudi Rama Mohan Rao,
Vice-President I, BES
Sri. Gelli Dileep Kumar, Vice-President II, BES
Sri. Manam Nageswara Rao, Secretary, BES
Sri. Kommineni Hari Padma Prasad,
Joint Secretary, BES
Sri. Thalluri Ramakrishna Rao, Treasurer, BES

Patrons

Dr. Nazeer Shaik, Principal
Dr. B. Chandra Mohan,
Professor & Dean-Academics
Dr. N. Venkateswara Rao, Professor & HOD
Conveners & Coordinators
Dr. Naga Raju Challa, Asst. Prof.
Dr. Ch.V.M.S.N.Pavan Kumar, Asst.Prof.

Resource Persons

Dr. Kalapraveen Bagadi
Professor, VIT- Vellore
Dr. Prabhu Chandhar
Director @ Chandhar Research Labs, Chennai
Dr. S. Sathish Babu
Senior Research Fellow @ Chandhar Research
Labs, Chennai.

Target Audience

Faculty Members
Industrial Experts
PG & Research Scholars

**Free Registration & e-Certificate will be issued
to all participants.**

Register using the following link:
<https://forms.gle/EGc2beemDFjW9tmJ8>