

TEQIP-II Sponsored
Faculty Development Programme on
Recent Advances in Signal Processing and
Communication Networks
17th – 19th March, 2017

REGISTRATION FORM

1. Full Name (in block letters):
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2. Designation :
3. Gender :
4. Address :
-
5. Phone No. :
6. Email id :
7. Accommodation (for participants only) : Yes / No

Signature of Applicant Signature of Sponsoring Authority

Registration Fee

- PG Students/Research Scholars : Rs. 250/-
- Faculty : Rs. 500/-
- Industry Personnel : Rs. 1000/-

Registration fee includes course material and lunch. Participants have to make their own arrangement for travel.

How to apply?

Scanned copy of DD in favour of “Principal, Basaveshwar Engineering College” payable at Bagalkot along with filled registration form should be mailed to mahabaleshsk@gmail.com. DD and Registration form should be remitted at the time of registration. The confirmation will be done through E-mail. For further details contact Dr. Mahabaleshwar S. K. @ M. 9482861933. Spot registration is permitted.

About Faculty Development Programme

Increasing penetration of smartphones, tablets, and other sophisticated computing devices in market, along with the ubiquitous availability of wireless networks, have significantly influenced the way people Live, Work, Interact, and Socialize. However, the popularity of innovative services and applications has raised challenging research issues. The Faculty Development Programme (FDP) currently aims at exploring recent advances and developments in Signal Processing & Communication Networks. The FDP will provide a unique opportunity to acquire research expertise in Signal Processing & Communication Networking.

The main objective of the FDP is to provide a comprehensive understanding of fundamental concepts to recent advances along with some of the most important research areas for the current and next generation Signal Processing & Communication Networks.

Topics Covered

- ❖ Analysis of Signals using FFT, STFT and Wavelets
- ❖ Speech Signal Processing and Applications
- ❖ Speech Enhancement using Conjugate symmetry of DFT
- ❖ Signal Processing Algorithms Implementation on FPGA
- ❖ Iris Recognition
- ❖ Intelligent Networks
- ❖ Insights into working of Networking Basics using CISCO Packet Tracer
- ❖ Smart Grid Communication
- ❖ Network Security
- ❖ Research challenges in Wireless Networks



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Organized by
Electronics and Communication Engineering Department
Basaveshwar Engineering College (Autonomous)
Bagalkot-587103, Karnataka



In association with
Electronics and Telecommunication Department
Goa College of Engineering
Farmagudi, Ponda, Goa



Coordinators

Dr. Mahabaleshwar S. K.
Assoc. Prof., ECE Dept.,
BEC Bagalkot

Dr. Hassanali Virani
Prof. & Head, ETC Dept
GEC Goa

About Bagalkot

Bagalkot city is situated in the northern part of Karnataka. Geographically, it is located at the co-ordinates 16.18°N 75.7°E, and Situated on the banks of Ghataprabha river. The average elevation is 533 meters above mean sea level. It was under the administration of Bijapur district and in the year 1997, the new Bagalkot district has come into existence during 50th year of India's independence.

Places to Visit

Historically, Bagalkot is the home land of great Chalukya dynasty.

- **Aihole**, a place described as the laboratory for architecture rather university of Indian architecture.
- **Badami**, famous for caves carved in monolithic single stone in the period of Immadi Pulakeshi-I along with historical famous temples of Pattadakal, Mahakuteshwar temple in Mahakuta, Shivayogamandir and Banashankari temple in Badami.
- **Kudalsangam**, the place where the great social revolutionist of 12th century lord "Basavanna" was educated. It is the matter of pride that the galaxy of sharana's lived in this holy land.
- **Hampi**, once a flourishing capital of the Vijayanagar Empire, is a very small village in the Northern Karnataka. Hampi exhibits the vast relics of the city of Vijaynagar, also known as the City of Victory. The Vijaynagar empire extended from the Arabian Sea to the Bay of Bengal and from Deccan Plateau to the tip of the peninsula. The main tourist attractions in Hampi are its temples viz. Virupaksha Temple, Vittala Temple, etc.

Reachability

Bagalkot is under South Western Railway (SWR) and nearest Airports are Hubli 125 kms & Belgavi 130 Kms.

About BEC Bagalkot

Basaveshwar Engineering College (Autonomous) is a premier technical Institute located in Northern Karnataka. It is a Govt. aided institution recognized by AICTE New Delhi & accredited by NBA thrice. In 2004, the college was selected under TEQIP Phase - I (Rs. 14.16 crores) and in 2007 it attained academic autonomy and permanent affiliation to Visvesvaraya Technological University (VTU), Belagavi. The college is now under TEQIP Phase - II (Rs. 12.50 crores) for scaling up PG and R&D&I. College offers 10 UG, 10 PG courses (including MCA and MBA) and 8 Research Centres recognized by VTU of which 5 are QIP centres with student strength of 4200+.

In a short period of 12 years, around 200+ scholars have registered for Ph.D programs and 46 scholars have been awarded the doctorate degree. Research, Innovation, Industry-Institute collaboration (35 MoUs with industry) and transfer of technology to community are the core thrust areas. The Campus is WiFi enabled with 100 Mbps Internet connectivity. Proactive graduates of high quality are its alumni. The excellent growth over the years and its overreaching performance has placed the college in a vantage position to expand its gamut of operations in National and Global technical education.

About GEC Goa

The college was established in 1967 to provide technical education in three disciplines viz. Civil, Mechanical and Electrical Engineering. Since then the college has continuously evolved to meet the challenges in the field of Engineering. Subsequently, 5 UG programmes and 6 PG programmes have been started. The UG programmes include i) Electronics and Telecommunication, ii) Computer Engineering, iii) Information Technology and iv) Mining and the 6 PG courses are i) Foundation Engineering, ii) Industrial Engineering, iii) Electronics Communication & Instrumentation, iv) Microelectronics Engineering, v) Power & Energy Engineering and vi) Industrial Automation & RF Engineering.

The College is offering full time as well as part-time post graduate courses. The college is recognised by AICTE and is funded by Government of Goa. The college is affiliated to Goa University.

About ECE Dept., BEC Bagalkot

The Electronics and Communication Engineering (ECE) Department was established in 1985. The Department offers an UG program in Electronics and Communication Engineering and a PG program in Digital Communication.

The Department is recognized center under the Quality Improvement Program (QIP), Government of India. The Department also has a rich heritage and strong reputation for R&D activities of internationally acclaimed standards, predominantly in the areas of Communications and Networking, Signal Processing, Microelectronics and RF/Photonics.

The main focus of the Department is to produce highly knowledgeable, competent and resourceful engineers who can perform well in a wide variety of job profiles. To achieve this, curriculum provides a sound grounding in both the analytic and technological aspects of E&C Engineering. It also provides ample opportunities to students to work on mini-projects, develop communication skills, explore internship opportunities in industry and world-class universities and take part in national and international design contests.

About ETC Dept., GEC Goa

Electronics and Telecommunication Engineering Department was established in 1983. The Department offers a full-fledged UG program in E&TC Engineering with special emphasis on VLSI, Micro Electronics, Image Processing, Communication, Microwave & RF Engineering and 3 PG Programs in Microelectronic, Electronics Communication and Instrumentation and Industrial Automation & RF Engineering. Well-equipped facilities in VLSI design, Communication Engineering, Power Electronics & Instrumentation are available in the department. Faculty are actively involved in research activities. Well qualified, disciplined dedicated teaching & supporting staff is the major strength of the Department. Apart from teaching, department has a student association named ASSET. Paper presentation & industrial interaction are prominent features of the Department.