

## About the Institute

BMS Institute of Technology and Management established in the year 2002, is one of the six institutions under BMS Educational Trust. NBA, NAAC accreditation & NIRF recognized. The institution offers 8 Under Graduate and 3 Post Graduate programmes. BMSIT&M, an Institution with a class of its own, is one of the most sought after institutes for high quality engineering education in the state. It is a well established private engineering college in Bangalore recognized by the AICTE, Government of India and is affiliated to the Visvesvaraya Technological University (VTU), Belagavi, Karnataka, India.

## About the Department

The Department of Electronics and Communication Engineering (ECE) was established in the year 2002-03, affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by All India Council for Technical Education (AICTE). The UG program is accredited by the National Board of Accreditation (NBA), New Delhi till 2025. The Department offers full-time UG program in Electronics & Communication Engineering and has a research center recognized by VTU, Belagavi.

The Department has qualified and experienced faculty members with expertise in VLSI and embedded systems, digital communication, signal processing, computer networks, nanoelectronics, etc. The ongoing research activities include digital image processing and computer vision, biomedical signal processing, communication, and networking. The department facilitates well-equipped laboratories strengthened by software's like Matlab, Cadence, Labview, HFSS, Multisim, Vivado, Keil, etc. and supported by Zibo, Nexys, Kintex board for UG projects and research activities. The department facilitates industry institute interaction with the industries like KPIT Technologies, TataElxsi, Edgate, etc. through collaborations for the industrial visit, internship, workshops and job opportunities

## Department Vision

Be a pioneer in providing quality education in electronics, communication and allied engineering fields to serve as valuable resource for industry and society

## Department Mission

- Impart sound theoretical concepts & practical skills through innovative pedagogy
- Promote Interdisciplinary Research
- Inculcate Professional Ethics

## Objectives of the FDP

The role of this faculty development programme is to gain knowledge in emerging areas of Electronics, Communication Technologies, and Career Enhancement Programme for working professionals, Advice and support for technical incubation.

As part of this initiative, an **International Faculty Development Program (FDP)** on “**5G Challenges: An Antenna Design Perspective**” is being conducted at BMS Institute of Technology & Management, Bangalore for the Faculty members of engineering colleges, industries and research laboratories.

The proposed faculty development programme (FDP) is devoted to the fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects in the usage of advanced tools and techniques for the Design of Practical RF antennas for 5G challenges. FDP provides an exposure to new areas of research and development being carried out in universities and industries. FDP enhances the research competence of faculty in the areas of antenna designs for 5G challenges by providing exposure to practical problems and solutions, through case studies and real time projects.

### Major Course Contents:

- **Radiation Effects and Mechanisms**
- **HF, VHF, Wideband and Multiband Antennas Design**
- **MIMO Antenna Design**
- **3D/m-MIMO Implementation**
- **Multibeam Antennas**
- **High Gain Antennas**
- **Antenna Materials and Antenna Testing**
- **Wearable Antennas**
- **Modelling and Simulation of Antennas**

## Resource Persons

- **Dr.S.Raghavan, Professor, NIT Trichy**
- **Dr. M.H.Kori, IETE Vice President**
- **Dr.Balamati Choudury, Scientist SE, NAL, Bangalore**
- **Dr. Ang Yu, Carolina university, USA**
- **Dr.Shanmuganathan, Professor, Pondichery University**
- **Dr. Madhu Chandra, Professor, Technische Universität Chemnitz**

The program will be conducted by the Academicians from **IITs/NITs/IIITs and Foreign Universities** in concerned field are invited to deliver lectures in the program and Speakers from industries are to deliver lectures.

## Eligibility

The program is open to the faculty, Research Scholars of engineering colleges and other allied disciplines in India. Industry personnel working in the concerned/allied discipline can also attend.

## Organized at

The program will be coordinated and conducted by Department of ECE, BMS Institute of Technology & Management, Bangalore, Karnataka.

## Registration Fees

- **Faculty/Research Scholars: Rs. 1,500/- Only**
- **PG/UG Student: Rs. 1000/- Only**
- **Foreign Participants: Rs. 6000/- Only**
- **Industry participants: Rs. 2,500/- Only**

Participants need to pay the Registration fee either in the form of Online Transfer either NEFT or RTGS using the following details and provide the UTR number as a screenshot.

## Online Transfer Details

**Account Name:** Principal, BMS Institute of Technology & Mgmt  
**Account No.:** 21096732049      **Name :** Indian Bank  
**IFSC:** IDIB000A682      **MICR CODE:** 560019059  
**Branch:** Avalahalli

## How to Apply

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with Online Transfer Receipt) should reach the coordinator by speed post or handover the same when you attend the program. It is also mandatory to send scanned application form & Online Transfer receipt through email to [anithavr@bmsit.in](mailto:anithavr@bmsit.in) as selection will be intimated only through mail.

## Selection Criteria

Selection will be done based on **first-cum-first-serve basis** and the confirmed candidates will be notified immediately. The list of selected participants will be sent to their personal *e-mail* IDs. A test will be conducted at the end of the course. Candidates will be issued participation certificate on successful completion of the course.

## Important Dates

Last date for submission of application: **20<sup>th</sup> September, 2022**  
Selection-list intimation/display before: **22<sup>nd</sup> September, 2022**  
Duration of the Program: **26<sup>th</sup> to 30<sup>th</sup> September, 2022**



FACULTY DEVELOPMENT PROGRAMME  
ON  
5G Challenges – An Antenna Design  
Perspective  
(26 th – 30 th September, 2022)  
Organized by

**BMS INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT**

Yelahanka, Bengaluru-560064

Department of Electronics and Communication Engineering

1. Name of the Applicant: \_\_\_\_\_  
 2. Designation: \_\_\_\_\_ 3. Institution : \_\_\_\_\_  
 4. E-mail ID: \_\_\_\_\_ 5. Mobile No. : \_\_\_\_\_  
 6. Category :  
 Faculty/Scholars (Rs. 1,500/-)   
 PG/UG Students (Rs. 1000/-)   
 Foreign Participants (Rs. 6,000/-)   
 Industry Participants (Rs. 2,500/-)   
 7. Payment Mode:  
 Online      Transfer      Receipt      (UTR/UPI  
 No): \_\_\_\_\_  
 Bank: \_\_\_\_\_ Date : \_\_\_\_\_  
 8. Address                      for                      Correspondence:  
 \_\_\_\_\_  
 \_\_\_\_\_

9. Do you require accommodation during Training: YES  
/NO

**Declaration**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place : \_\_\_\_\_  
 Date : \_\_\_\_\_ Signature of the Applicant  
**SPONSORSHIP CERTIFICATE**

Dr./Mr./Ms..... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “5G Challenges – An Antenna Design Perspective” during 26th - 30th September, 2022 at BMSIT & M, Bangalore, Karnataka.

Place : \_\_\_\_\_  
 Date : \_\_\_\_\_  
 Signature of Principal/Head of the Institution

**Chief Patrons**

- Dr. B. S. Ragini Narayan, Educationist, Donor Trustee & Member Secretary, BMSET & Chairperson, BMSET.
- Dr. P. Dayananda Pai, Life-Trustee, BMSET & Chairman BOG, BMSCE, Chairman-Century Group.
- Mr. Aviram Sharma, Trustee BMSET, Chairman BOG, BMSIT&M, BMSCCM, Chairman ICD, Bengaluru.
- Mr. Ravi Venkatesam, Trustee, BMSET

**Patrons**

- Dr. Mohan Babu G. N Principal, BMSIT&M
- Dr. H K Govindaraju Vice-Principal, BMSIT&M

**Convenors**

- Dr. Anitha V R, Associate Professor of ECE
- Dr. Jayadeva G S, HOD, ECE

**Coordinators**

- Dr. Vijayalakshmi G V, Associate Professor [vijayalakshmi@bmsit.in](mailto:vijayalakshmi@bmsit.in)
- Prof. Shilpa Hiremath, Assistant Professor [shilpasharankh@bmsit.in](mailto:shilpasharankh@bmsit.in)
- Prof. Chandra Prabha.R, Assistant Professor [chandra@bmsit.in](mailto:chandra@bmsit.in)

**Address for Correspondence**

Post your application form along with NEFT Receipt to

**Dr. V.R. Anitha**  
 Associate Professor of ECE  
 BMSIT, Bangalore, Karnataka – 560064.  
 Email: [anithavr@bmsit.in](mailto:anithavr@bmsit.in)  
 Mobile: +919949400700

**BMS INSTITUTE OF TECHNOLOGY  
AND MANAGEMENT**

(An Autonomous Institute under Visvesvaraya  
Technological University, Belagavi)



**INTERNATIONAL  
FACULTY DEVELOPMENT PROGRAMME (FDP)  
ON  
5G CHALLENGES – AN ANTENNA  
DESIGN PERSPECTIVE**

**During  
26<sup>th</sup> – 30<sup>th</sup> September 2022**



Organized by  
Department of Electronics and Communication Engineering

**BMS INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT**  
 Avalahalli, Doddaballapur Road  
 Yelahanka, Bengaluru – 560 064