

About the Institute:

BMS Institute of Technology and Management

was established in the year 2002 under the auspices of BMS Educational trust with the vision of establishing a premier technical institute on par with international standards, situated on Doddaballapura road in a serene and spacious campus covering about 21 acres. It is recognized by the AICTE, Government of India and is affiliated to the Visvesvaraya Technological University (VTU), Belagavi, and Karnataka, India. BMSIT&M offers eight UG, three PG programmes and Ph.D/M.Sc (Engg) in all disciplines. BMSIT&M is one of the member institutions under Melton Foundation. Melton Foundation promotes cross-cultural exchange programs among five nations namely, India, USA, Germany, China, and Chile.

Vision of the Institute

To emerge as one of the finest technical institutions of higher learning to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of society.

Mission of the Institute

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

About the Department:

The Department of Electronics and Telecommunication Engineering was established in the year 2003. Department has well qualified, experienced and dedicated faculty with 3 doctorates and 50% of them are on the verge of completion of Ph.D. Well equipped sophisticated laboratories with skilled technical staff are the strength of the department which helps the students in strengthening their theoretical knowledge by hands-on practical sessions.

Department practices OBE in every course to attain course outcomes. Because of good practices and strong students support system in place, helped the department to get 20 University ranks from its inception. Department has active research center since 2016. Our students are enhancing their learning skills by adopting Project Based Learning (PBL) in every semester. Department has very strong alumni network through which students are benefitted. Placement through the campus is excellent.

Vision of the Department

Emerge as a premier department developing high quality Electronics and Telecommunication Engineering professionals with ethics and eco friendliness for the betterment of the society.

Mission of the Department

Impart quality education in Electronics and Telecommunication Engineering by facilitating conducive learning environment, research activities, good communication skills, leadership qualities, ethics and strong industry-institute interaction.

Who can attend?

- Faculty from engineering/diploma colleges/Research Scholar/PG students across India.
- Industry Delegates
- Limited to 30 seats on first-come-first served basis.

Last date for registration: 6th April 2021.

Registration Fee: Rs.1000/- per participant

Payment method: Googlepay_9008637144

Registration Form link:

<https://docs.google.com/forms/d/e/1FAIpQLSfKoQ5SzajfM4IVqYFHHz2FGe6g82z3qGybMsRN3qyQTvd9A/viewform?vc=0&c=0&w=1&flr=0&gxids=7628>



Resource Persons: Eminent Speakers from Industry and Premier Institutes.

Venue

Digital Classroom, Department of ETE, Academic Block, BMSIT&M, Yelahanka, Bengaluru-560064

Organizing Committee:

Faculty members of department of ETE
For further information, please contact
Email: etelearningchannel@bmsit.in

BMSIT&M is ranked in the range (95-109) from 2017-2020. Among the Engineering Institutions in the country which includes IITs / NITs / IIITs etc. by National Institutional Ranking Framework (NIRF)-MHRD. Govt. of India.

BMSIT&M is awarded platinum grade in AICTE-CII Industry Linked Institute survey

Confederation of Indian Industry

Programs are Accredited by NBA (Tier-II)

ज्ञान-विद्यान विम्वलने
Approved by UGC under section 2(F) and 12(B)

BMSIT&M IS AWARDED **A**

B M S INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Yelahanka,
Bengaluru – 560 064

Phone: 080- 28561576/28567187. www.bmsit.ac.in

About the FDP:

Software Defined Radio (SDR) is a wireless device that consists of a configurable RF front end with an FPGA or programmable system-on-chip (SoC) to perform digital functions. SDR hardware can transmit and receive signals at different frequencies to implement wireless standards from FM radio to Wi-Fi, LTE and more. The Xilinx Zynq with daughter card fmcomms3 AD9361 and USRP platforms are most preferred SDR platforms for thousands of engineers, scientists and students worldwide for algorithm development, exploration, prototyping and developing next generation wireless technologies across a wide variety of applications.

Topics to be Covered in FDP:

- Software Defined Radio Principles
- SDR architectures
- Hardware for implementation of SDR
- SDR research for 5G, B5G and 6G
- Applications of SDR
- Future of SDR Communication
- Demonstration of LTE Transmitter and Receiver.

Objective:

This FDP provides a great opportunity to learn about the power behind the SDR platform and the communication system design software tools that are being used in the latest wireless communications teaching, laboratory and research.

SDR is Multidisciplinary



Chief Patrons

Dr. B. S. Ragini Narayan

Educationist, Donor Trustee and Member Secretary, BMSET & Chairperson, BMSET

Dr. P. Dayananda Pai

Trustee, BMSET, Chairman, Century Group Chairman, BOG, BMSCE.

Sri. M. Madan Gopal, IAS (Retd.)

Trustee BMSET, Former Additional Chief Secretary, Government of Karnataka, Chairman, BOG, BMSIT&M and BMSSA

Mr. Aviram Sharma

Trustee, BMSET, Chairman, BOG, BMSCCM & ICD

Patrons

Dr. Mohan Babu G. N.

Principal, BMSIT&M

Dr. H. K. Govindaraju

Vice-Principal, BMSIT&M

Organizing Chair

Dr. Raju Hajare

Associate Professor & Head, Dept. of ETE

Convener

Prof. C. P. Mallikarjuna Gowda

Associate Professor, Dept. of ETE

Mob: 9986738339

Email: cpmallikarjunagowda@bmsit.in

Four Day's Faculty Development Program On

**"Software Defined Radio for Next
Generation Wireless Networks"**

7th April to 10th April 2021

**BMS INSTITUTE OF TECHNOLOGY
AND MANAGEMENT
BENGALURU-560 064**



Organized by

**DEPARTMENT OF
ELECTRONICS & TELECOMMUNICATION
ENGINEERING**