

## ABOUT THE PROGRAMME

The main objective of this FDP is to provide an opportunity for faculty from Academic Institutions to get exposure in the field of Wireless Communication. The workshop will focus on 5G Wireless System and challenges, Antennas for 5G, Security in 5G. Participants get an opportunity to interact with field experts who are involved in the research and development activities in those areas.

Eminent speakers from Academia, R&D institutions and the Industry will deliver expert lectures and provide hands-on training on various tools used in 5G Communication. Various issues in the area of telecommunication will be addressed by the experts. The engineering participants get an opportunity to interact with field experts who are involved in the research and development activities in the area of 5G communication.

## COURSE CONTENTS

- 5G wireless system -A few research challenges
- Evolving standards in Wireless Communication
- Cognitive Radio Networks.
- Model Based Design using Simulink.
- Hands-on session Implementation of complete communication system.
- Introduction to Designing LTE Physical Layer systems
- RF Instrument and Software Defined Radio
- Full duplex Wireless Communication for 5G.
- Security in 5G
- Antennas for 5G
- Hands-on session in CST

## RESOURCES

The resource persons for this programme will be drawn from CoreEL Technologies and academia involved in active research in the areas of Communication Systems.

Faculty members from various departments in APJ Abdul Kalam Technological University affiliated Engineering Colleges who are interested can apply.

## IMPORTANT DATES

Last date for receipt of Application:	<b>28.06.2019</b>
Intimation of selection :	<b>01.07.2019</b>
Confirmation by Participants :	<b>04.07.2019</b>

## REGISTRATION

The fee is to be paid by way of Demand Draft in favor of "ECE Workshops" payable at Thiruvananthapuram.

The number of seats is limited to 30.

Registration Fee: Rs.500/-

Kindly attach a copy of the duly filled registration form and complete the registration through the link [www.tiny.cc/AWC\\_19](http://www.tiny.cc/AWC_19)

Contact Us



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[www.mbcet.ac.in](http://www.mbcet.ac.in)

# Faculty Development Programme on Advances in Wireless Communication (AWC'19)

8th to 12th July 2019

Sponsored by



Organized by  
DEPARTMENT OF  
ELECTRONICS  
AND  
COMMUNICATION  
ENGINEERING



**MAR BASELIOS**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
A NAAC A GRADE INSTITUTION  
ALL B. TECH PROGRAMMES  
ACCREDITED BY NBA

Address:  
Mar Ivanios Vidyannagar,  
Nalanchira, Thiruvananthapuram  
Pincode- 695015

## ABOUT THE INSTITUTION

As a proud part of the Mar Ivanios Vidyanagar on the blessed Bethany Hills, deriving the inner strength of truth and goodness from the visionary patrons, Mar Baselios College of Engineering and Technology (MBCET) inspires the aspirations of generations of knowledge-seekers. The college aims at achieving the integral development of human personality so as to ensure the possibility of living a fully human existence. The institute offers five B.Tech and five M.Tech programs. All the departments are recognized by AICTE and affiliated to APJ Abdul Kalam Technological University. The institution has been accredited by NAAC with 'A' Grade (CGPA 3.13). All B.Tech programmes have been accredited by NBA since 2016.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering which was started in the year 2002 offers a UG Program (B.Tech) in Electronics and Communication Engineering and PG Programs (M.Tech) in Tele Communication Engineering and Signal Processing. The department has a team of committed faculty members who are well qualified and also backed by rich industrial / research / teaching experience. To encourage research and development, department regularly organizes Conferences, FDP, STTP, etc.

The department has also taken up sponsored research projects from R&D institutions and the faculty members are actively involved in research activities.

## VISION

To be a Centre of Excellence in Electronics and Communication Engineering Education and Research for the service of humanity.

## MISSION

To provide quality Engineering Education and to carry out Research in the field of Electronics and Communication Engineering addressing the challenges faced by the society.

## THE ORGANIZING COMMITTEE

**Fr. John Vilayil, Bursar.**  
**Dr. T. M George, Principal.**  
**Prof. S. Viswanatha Rao, Vice Principal.**  
**Dr. M. J. Jayashree, HoD, ECE.**

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## ADVANCES IN WIRELESS COMMUNICATION

**AWC-2019**

8th to 12th July 2019

## REGISTRATION FORM

Name: Dr/Mr/Ms. \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Academic Qualifications: \_\_\_\_\_

Professional Experience: \_\_\_\_\_

DD. No. : \_\_\_\_\_ Amount: \_\_\_\_\_

Issuing Bank: \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_ Signature of applicant

### Certificate

This is to certify that \_\_\_\_\_ is an employee of our Institute and he/she is permitted to attend the "FDP on Advances in Wireless Communication" during 08-12 July, 2019.

Signature of Head of the Institution/  
Department