

## REGISTRATION

Interested participants should register yourself on or before 29.09.2016, using the following online registration form.

<https://goo.gl/uX3bUW>

The confirmed participants should pay the Registration Charges as listed below:

- UG and PG Students: Rs. 1,000/-
- Research scholars, Faculty, others : Rs. 1,250 /-

B.S.ABDUR RAHMAN  
**CRESCENT UNIVERSITY**  
B.S.Abdur Rahman Crescent Institute of Science & Technology  
(Estd. u/s 3 of the UGC Act, 1956)



## CONTACT

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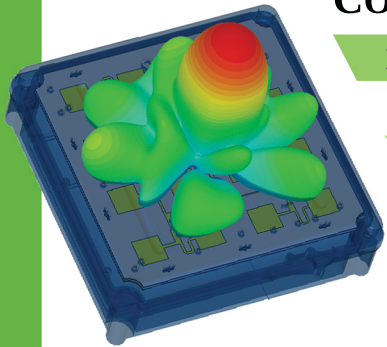
*Three-Day Workshop on*

## **DESIGN OF MICROSTRIP ANTENNA ARRAY USING HFSS™**

*5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> October 2017*

## THE WORKSHOP

Although the microstrip antenna (MSA) was under research for a while, it gained popularity only in the past few decades, when it became practically feasible with the use of low-loss soft substrate materials that were just becoming available. Despite being low cost to fabricate, MSA's have other advantages that include light-weight, low profile, easy integration onto PCBs and ICs. Which makes them possible to have conformal structures, and easy to form large arrays and easy impedance matching. Due to this MSA's form more than 90% of all the antennas in use at present. This workshop focuses on design of MSA's and MSA arrays, with hands-on training with ANSYS® HFSS Tool and the detailed analysis of the design. Workshop also introduces to fabrication and testing of the MSA design with high end instruments like Vector Network Analyzer (VNA).



## CONTENTS

Introduction to Ansys HFSS

Microstrip Antenna and Microstrip Array design

Feeding techniques

Report Generation

Fabrication and Testing

## ASSOCIATIONS

Organized by Society of Electronics and Communication Engineering in association with IE & IETE



## CONVENER

Dr. C. Tharini  
HOD, Department of ECE

## COORDINATORS

Mr. H. Hasan Babu,  
Assistant Prof. (Sr. Grade)

Ms. A. Ambika,  
Assistant Prof. (Sr. Grade)

Ms. B. Sivashanmugavalli,  
Assistant Prof.

Mr. A. Ramesh Kumar,  
Assistant Prof.

## ABOUT US

B.S.A. Crescent University (formerly known as Crescent Engineering College) was established in 1984. After serving the society for over 25 years under the affiliation of Madras University and Anna University, the institution was granted University status in 2009 under the Section 3 of UGC Act 1956. The institution lays emphasis on innovative research, high-quality facilities and first-rate infrastructure. The institution is ISO-9901 certified and ranked Number 1 among the Private Engineering institutions in Chennai by NIRF, MHRD. The Department of Electronics and Communication Engineering was started in the year 1994, is accredited by NBA and has well equipped Laboratories with industry standard hardware and software tools supported, by well qualified and experienced faculty members. The Department offers Full-Time B.Tech. programme in ECE, and Full-Time and Part-Time M.Tech. Programmes in Communication Systems and VLSI & Embedded Systems. The Department focuses on current trends in the field of electronics, telecommunication and information technology through technical meeting, conference, seminars and symposium in collaboration with industry and research organization.

<http://www.bsauniv.ac.in>

## AUDIENCE

Registration is open to UG and PG students of Engineering, Technology, Science, and Research Scholars, who has undergone a course on basic electromagnetic theory. Faculty who are handling relevant courses will also find this workshop very useful.

