

*ISTE & IETE Approved*  
*National Workshop On*  
**“Design and Analysis of Antennas and  
Microwave passive devices using HFSS”**

**3<sup>rd</sup> -5<sup>th</sup> January 2018**

Full Name: \_\_\_\_\_

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

Qualification: \_\_\_\_\_

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

Institution/Organization: \_\_\_\_\_

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

Phone (O) \_\_\_\_\_ (R) \_\_\_\_\_

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

Enclosed Cheque/ DD No.: \_\_\_\_\_

Dated \_\_\_/\_\_\_/\_\_\_ is drawn in favor of

" Saraswati College of Engineering"

payable at "Navi Mumbai" drawn at Bank

\_\_\_\_\_  
Signature of the Applicant

*Date & Place*

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(Secretary, SES)

**PRINCIPAL**

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(Principal, SCOE)

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Prof. Sheetal Bukkavar,  
(HOD E&TC)

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Engineering, Lonere.

Mr. Aniket Jangam

Dr. B.A.T. University Institute of Petrochemical  
Engineering, Lonere.

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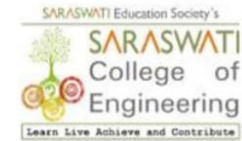
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**Saraswati Education Society's  
Saraswati College of Engineering**

*Presents*

**ISTE & IETE Approved**

**National Workshop  
ON**

**“Design and Analysis of Antennas  
and Microwave Passive Devices  
using HFSS”**

**3<sup>rd</sup> January - 5<sup>th</sup> January 2018**

**Coordinators**

Prof. Rajashri Narwade

Prof. Vijay Kapure

Prof. Sarita Kale

*Organized by*

*Departments of Electronics and  
Telecommunication Engineering*

Saraswati College of Engineering,  
Kharghar, Navi Mumbai-410210.

**e-mail id:** extc.scoe@gmail.com  
www.sce.edu.in

## ABOUT THE COLLEGE

Saraswati College of Engineering is a premier engineering institution, established in 2004 and since then the college has been growing leaps and bounds. Long term planning, meaningful administration and a dedicated and experienced work force, a full-fledged library and well-equipped laboratories are few of our strong points which are worth mentioning. Devoted and dedicated effort of faculties member in shaping young engineers has enabled this institution to carve respectable place for itself in the state of Maharashtra.

### VISION

To become center of excellence in engineering education and research

### MISSION

To educate students to become quality technocrats for taking up challenges in all facets of life.

## ABOUT THE DEPARTMENT

Department of Electronics and Tele-Communication Engineering is one of the leading departments in the college. We aim to impart outstanding education and qualities to our students to become leader in their professions. We are working hard to develop expertise for consultancy activities by providing thrust for Industry-Institute Interaction.

### VISION

To make students capable to contribute in development of society through research

### MISSION

To impart quality education to train students in emerging technologies in electronics and Telecommunication Engineering.

## COURSE OBJECTIVES

The field of high frequency circuit and antenna design is receiving significant industrial attention due to wide applications of radio frequency (RF) and microwave engineering. Improved semiconductor devices have made possible a proliferation of high speed digital and analog systems as observed in wireless communication, global positioning, radar and related electrical and computer engineering disciplines. This interest has translated into a strong demand for engineers with comprehensive knowledge of high frequency circuit design principles.

## COURSE CONTENTS

- Introduction to HFSS
- Design of Dipole Antenna
- Tuning of dipole Antenna to desired frequency using Opti metrics and Parametric
- Design and Analysis of Inset Fed MSA
- Optimization and tuning of Inset Fed MSA
- Design and Analysis of Probe Fed MSA
- Analysis, tuning and impedance matching of Probe Fed MSA
- Design and Analysis of Microwave Filter
- Design of Waveguide and Mode Generation
- Boundary conditions and wave propagation through waveguide

## REGISTRATION AND COURSE FEE

Participation Fee: Rs. 2000 /-

Early bird registration (upto 20/12/17): 1800/-

## PROGRAM SCHEDULE

Duration: 3<sup>rd</sup>Jan - 5<sup>th</sup> January 2018.

Timings: 10.00 a.m. to 5:00 p.m.

For more details about registration contact:

- Prof. Rajshri Narwade ( 9821709470 )  
Email ID: narwaderajashri@gmail.com
- Prof. Vijay Kapure (902963581)  
Email ID: vijaykapure777@gmail.com
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## Map:

