

## ABOUT THE INSTITUTION

K.Ramakrishnan college of Technology (KRCT) is located at Samayapuram, the temple town of Tiruchirappalli district. The college was established in 2010 by K. Ramakrishnan Educational Charitable Trust. The Institution is approved by AICTE and affiliated to Anna University, Chennai and accredited by ISO & NAAC with A+ grade. The college maintains high standards in education, provides a wide array of world class academic facilities, employs highly qualified and experienced faculty and creates an ambience and conducive to nurture standard education. The college has consistently secured ranks within top 25 since it is established. The college has been ranked at 22nd place as an Outstanding Engineering College of Excellence in India in CSR-GHRDC Engineering Colleges Ranking in India.

### INSTITUTE VISION

To serve the society by offering top-notch technical education on par with global standards.

### INSTITUTE MISSION

We will strive to

M1: Be a centre of excellence for technical education in emerging technologies by exceeding the needs of the industry and society.

M2: Be an institute with world class research facilities.

M3: Be an institute nurturing talent and enhancing the competency of students

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in 2010. It has well qualified, committed and motivated faculties. The faculty team continuously motivates the students to be recognized as an international leader in engineering arena, research and the application of knowledge to uplift society by conducting seminar, workshop regularly. The Department Faculties and Students are also powered by the IEEE, ISTE, SEMCE and IETE Professional Societies. Currently, the department offers a UG program (B.E.) in Electronics and Communication Engineering and PG program (M.E.) in Embedded System Technologies.

### DEPARTMENT VISION

To create innovative and social liable Electronics and Communication Engineers with design skills and research focus to meet Societal and Industrial needs.

### DEPARTMENT MISSION

M1: To provide high quality and value education and professional ethics to students through enhanced learning environment.

M2: To import a creative environment towards centre of excellence in department with design skill and exposure for research.

M3: To nurture required employable skills of students to satisfy the industry and social needs with ethical and human values.

## TOPICS TO BE DISCUSSED

- RF amplifier design and Stabilization methods
- Impedance matching-T and Pi network & microstrip matching network.
- Smith chart problems as per in syllabus

## IMPORTANT DATES

- Registration Deadline : 18.09.2019
- Registration Confirmation: 19.09.2019

## REGISTRATION LINK

<https://docs.google.com/forms/d/1kcPXfhh7HXwgEmSC19jyYm5XIO2nAg1Giyzw9qyBEIk/edit>

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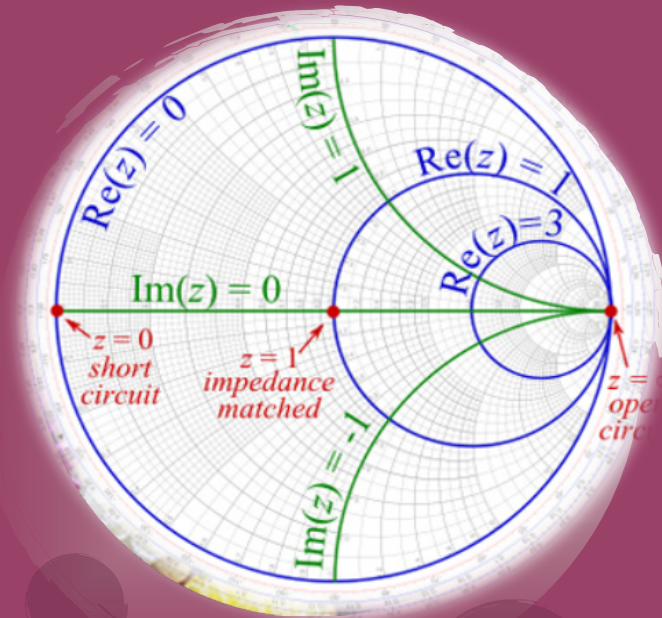
**IETE Students Forum (ISF)**



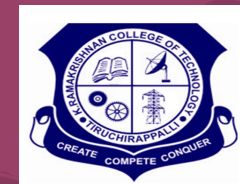
## ONE DAY WORKSHOP ON

## Stability Analysis and Matching Network Design for RF Devices

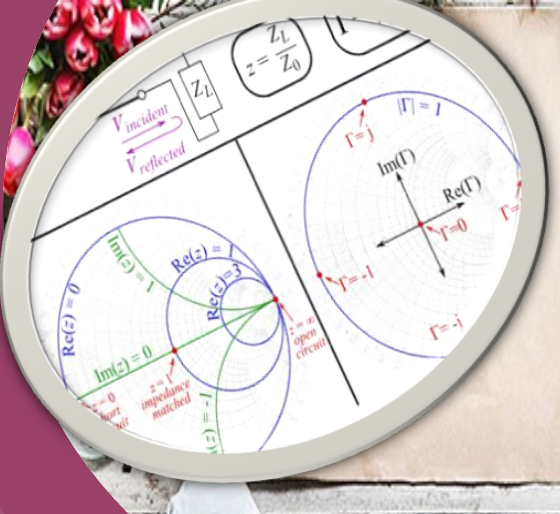
20.09.2019



Organized by  
DEPARTMENT OF ELECTRONICS  
AND COMMUNICATION ENGINEERING



K. Ramakrishnan College of Technology  
(Affiliated to Anna University & Approved by AICTE  
Accredited by NAAC with A+ Grade &



**WHO CAN ATTEND THIS SEMINAR?**

- Students & Faculties from ECE Department
- Researchers in the RF & Microwave domain.

**REGISTRATION FEE**

**UG Student : Rs. 250 /-**

**PG Students/ Faculty / Researcher : Rs. 300/-**

The Registration fee should be paid through demand draft drawn in favor of “**The Principal, K. Ramakrishnan College of Technology**” payable at Trichy.

**ACCOMMODATION**

Accommodation will be provided in the college campus for the delegates on prior requisition and paid basis of Rs 250./day.

**ORGANIZING COMMITTEE**

**Chief Patron**

Dr. K. Ramakrishnan, Chairman,  
K. Ramakrishnan Group of Institutions

**Patron**

Dr. S. Kuppusamy, Executive Director, KRGI  
Dr. S. Muruganandam, Principal, KRCT

**Organizing Chair**

Mr.S.Syedakbar, HoD/ECE, KRCT.

**Coordinator**

Dr.S.Suganthi, ISF Coordinator  
Prof/ECE, KRCT, Trichy  
Prof. S. Praveena  
AP/ECE, KRCT, Trichy

**Resource Persons**

Dr. S. Suganthi,  
Professor /ECE, KRCT, Trichy.  
& other staff in RF domain

**Address for Communication**

The Coordinator,  
Department of ECE,  
K.Ramakrishnan College of Technology,  
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Phone No.: 9443169815, 8838170177  
8248658468, 9965504077

Website link: www.krct.ac.in

**RF AND MICROWAVE DESIGN**

Microwave and millimeter wave high-power vacuum electron devices are essential elements in specialized military, scientific, medical and space applications. They can produce mega watts of power which would be equal to the power of thousands of solid state power devices. In the active phased array antennas for radars and electronic warfare applications, GaAs based hybrid and MMIC amplifiers are used. Developments within modern nonlinear measurement systems offer an increasing degree of flexibility to the microwave power amplifier (PA) designer.

**ABOUT THE WORKSHOP**

As the bridge for development in RF field, the **IETE Students Forum (ISF) Sponsored One day workshop for other college students & staff on “Stability analysis and matching network design for RF devices** “is organized in our Department on **20.09.2019**. This will make the participants to enrich their knowledge in design methodologies of RF amplifier with the support of Smith Chart. The various tools used for RF devices design will also be covered which will tune the students to forward their contribution to RF society by doing their project in this domain.

**REGISTRATION FORM**

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

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

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

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

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

Contact No.: \_\_\_\_\_

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

Accommodation Needed : YES / NO

Payment Details:

DD No. :

Bank & Branch :

Amount: \_\_\_\_\_ Date: \_\_\_\_\_

(Rs. \_\_\_\_\_ )

Signature of the Participant

Mr./Ms./ \_\_\_\_\_

Belongs to our institution and will attend the IETE Students Forum (ISF) Sponsored one day workshop on “Stability analysis and matching network design for RF devices” on 20th September, 2019.

Signature of the Authority