

ABOUT THE COLLEGE

Ramco Institute of Technology is founded by Shri P.R.Ramasubrahmaneya Rajha, Chairman, Ramco Group in 2013 with a vision to impart high quality engineering education. It is situated in the foothills of Western Ghats, 5 Kms from Rajapalayam Bus stand in Ayyanar Kovil Road. The College provides a world-class infrastructure and facilities to both our students and staff members. It has a very good learning atmosphere facilitated by high quality teaching by well-qualified and experienced faculty members, e-learning modules with smart classrooms, emulating IIT system of education.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in 2013 with a vision to develop competent professionals to meet the global challenges in modern engineering society. At present, it offers a 4-year B.E. Electronics and Communication Engineering Programme with a sanctioned intake of 120 students. The laboratories are equipped with latest technology in the field of Electronic Devices and Circuits, Digital Electronics, Linear Integrated Circuits, Microprocessor and Microcontroller, Communication Systems, Digital Signal Processing and Embedded Systems that offers opportunities to work on a wide range of advanced software packages. It has a team of committed faculty members and encompasses professional associations such as Students Technical Association "RIT Electronica", IETE, ISTE chapters, IEEE Photonics Society which provide the students, a platform to learn professional and soft skills.

ABOUT THE WORKSHOP

This course will provide a basic understanding of basic signal processing algorithms and their implementation in Matlab. Detailed hands on training with rigorous practical sessions and complementary lectures will teach the participants to understand as well as implement the basic signal processing algorithms. After successful completion of this course the participants will be able to import, process and manipulate the real life signals using Matlab. This course will be suitable for UG and PG students who are interested to have hands on experience about signal processing using Matlab.

PROGRAMME CONTENTS

The following topics will be covered

- Introduction to Signal Processing
- MATLAB Basics for Signal Processing
- Signal Generation and Analysis using MATLAB
- Sampling and Signal Reconstruction
- Fourier Transform and Frequency Domain Analysis
- Digital Filter Design
- Noise Removal and Signal Enhancement
- Mini Practical Exercises / Case Studies
- Analysis of discrete time LTI systems
- Z Transform Analysis of Recursive systems and Non-Recursive Systems
- Applications of transforms in signal, image and speech processing

RESOURCE PERSONS

Faculty members from Ramco Institute of Technology

A National Level Workshop on Signal Processing and its Applications using MATLAB - A hands on Approach

10th April 2026



Organized by

**DEPARTMENT OF ECE
RAMCO INSTITUTE OF TECHNOLOGY**

(An Autonomous Institution)

North Venganallur Village

Rajapalayam - 626 117.

Phone : 04563 - 233414

in Association with

RIT Electronica

&



IEEE Photonics Society—

Student Branch Chapter

REGISTRATION DETAILS

- Registration Fee Rs. 200/.
- UG/PG Students from various engineering and Polytechnic College students.
- Selection will be made on First come First serve basis and is strictly restricted to a maximum of 50 participants
- Selected Candidates will be intimated through e-mail only
- Tea and Working Lunch will be provided
- No TA/DA will be provided
- Certificates will be issued to candidates

HOW TO APPLY

Applicants should send a soft copy of the registration form in the specified format to ritecepgm@ritrjpm.ac.in on or before April 06, 2026. Selected candidates will be notified via email only.

FOR FURTHER INFORMATION CONTACT

The Co-ordinators,
Department of ECE,
Ramco Institute of Technology,
Rajapalayam- 626 117.
Email: ritecepgm@ritrjpm.ac.in
Phone: 04563-233414
Mobile No.: +91-9445290970, 9626677687

A National Level Workshop on Signal Processing and its Applications using MATLAB - A hands on Approach 10th April 2026

REGISTRATION FORM

Name :

Age & Gender :

Department :

Institution :

Address for Communication:

Contact No. :

E-mail ID :

I hereby declare that the above furnished information is true to the best of my knowledge and I will abide by the rules and regulations of training program.

**Signature of the Participant with Date
Forwarded and Recommended**

**Signature & Seal
Head of the Department/Institution**

QR Code

Scan here
to Register



ORGANIZING COMMITTEE

CHIEF PATRON

Shri. P.R. Venketrama Raja
Chairman, Ramco Group

PATRON

Dr.L.Ganesan
Director
Ramco Institute of Technology

Dr.S.Rajakarunakaran
Principal
Ramco Institute of Technology

CONVENOR

Dr.C.Arunachalaperumal
Professor & Head/ECE

IEEE STUDENT COUNSELOR

Dr.A.Azhagu Jaisudhan Pazhani,
ASP/ECE

CO-ORDINATORS

Mrs.G Gnanapriya, AP(SG)/ECE
Mr.P.Gunasekaran, AP II/ECE

VENUE

DSP Laboratory,
Department of ECE

IMPORTANT DATES

Submission of Application : 06.04.2026

Intimation of Selection : 07.04.2026