

## KUMARAGURU COLLEGE OF TECHNOLOGY

**KCT**, Coimbatore is a private Engineering College started in 1984 under the auspices of Ramanandha Adigalar Foundation, a charitable educational trust of Sakthi Group. It is situated in 150 acres in the IT corridor of Coimbatore which in many ways was a front runner in the eco system. Under the able guidance and adept administration of Dr. B. K. Krishnaraj Vanavarayar, Chairman, Shri. M.Balasubramaniam, Correspondent and Shri. Shankar Vanavarayar, Joint Correspondent, the college has developed excellent facilities and resources such as spacious classrooms, seminar halls, well-equipped laboratories, excellent sports facilities, dedicated high speed internet connectivity (broadband) and well-qualified faculty.

Currently the college, as an autonomous institution affiliated to Anna University Chennai, offers 13 undergraduate (B.E., B.Tech.) and 14 post-graduate (M.E., M.Tech., MCA, MBA) programs of study. All the above courses have the approval of All India Council for Technical Education (AICTE) and all the eligible UG programs have also been accredited by National Board of Accreditation (NBA). In addition, KCT has also been accredited by National Assessment and Accreditation Council (NAAC).

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The Department of Electronics & Communication Engineering was started in the year 1987 with the idea of equipping young people with the necessary technical knowledge and professional skills needed to address the challenges in the rapidly growing field of Electronics and Communication Engineering and promoting research in this area. In the world of Smart phones, this Department has a very significant role to play. Instigating an eye for detail inside the minds of youngsters, they come up with a lot of innovation in electronics. For this mission, the Department is fully equipped with state-of-the-art laboratories such as DSP, VLSI, Optical & Microwave and RF/Communication.

The Department offers the following programme.

- B.E-Electronics and Communication Engineering
- M.E-Communication Systems
- M.E-Applied Electronics
- Ph.D Programme

## ABOUT IEEE MADRAS SECTION

IEEE Madras Section came into existence in 1978 and has crossed its silver jubilee year. IEEE Madras Section has an active membership of 2096 life/senior members. The student membership is around 7000. The IEEE Madras Section conducts symposiums, conferences and technical lectures by eminent personalities from several fields.

The section is concerned about the welfare of the students in this part of the country and wants to improve the skill learning process in the Engineering Colleges and Universities.

## ABOUT MADRAS IEEE EDUCATION SOCIETY

The IEEE Education Society (EdSoc) is a society of the Institute of Electrical and Electronics Engineering, focused on the theory and practice of education and educational technology needed to deliver effectively domain knowledge in the fields of interest of IEEE. The Madras IEEE Education Society was formed in 2014.

## ABOUT COMPUTER SOCIETY OF INDIA, COIMBATORE CHAPTER

The seed for the Computer Society of India (CSI) was first sown in the year 1965 with a handful of IT enthusiasts who were a computer user group and felt the need to organize their activities. The purposes of the Society are scientific and educational directed towards the advancement of the theory and practice of computer science & IT.

## ABOUT THE STTP

The problem of searching patterns in data is a fundamental one and has a long history. The field of pattern recognition is concerned with the automatic discovery of regularities in data and these regularities are applied in classifying the patterns into different categories. The design, development and applications of computer algorithms play a vital role in this direction.

This STTP is designed to cover theoretical aspects of advances in pattern recognition, its applications and also intended to give hands on experience MATLAB software. This is a multidisciplinary activity and hence it is open to academic and Industry representatives with varied background.



**KUMARAGURU**  
college of technology  
character is life

## SHORT TERM TRAINING PROGRAM ON

# PATTERN RECOGNITION AND APPLICATIONS (PR&A 2017)

Organized By

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Kumaraguru College of Technology  
Coimbatore 641049

in association with

**IEEE AND CSI COIMBATORE CHAPTER**



27<sup>th</sup> FEB 2017 - 2<sup>nd</sup> MAR 2017

## OBJECTIVES OF THE PROGRAM

- Introduce the Mathematical and Engineering aspects of pattern recognition.
- Focus on advanced topics in pattern recognition so as to solve real time problems.
- To discuss on the research issues and current trends in computational intelligence
- To foster collaboration between researchers, industrial experts and professionals

## COURSE CONTENTS

- Introduction to Pattern Recognition
- Feature extraction and selection
- Pattern Classifiers
- Clustering
- Recent Advances in Pattern Recognition
- Applications of Pattern Recognition
- Bio Inspired Computing
- Hands-on training sessions

## REGISTRATION

Academician / Faculty	Rs. 1,000 /-
Research Scholar/PG Students	Rs. 750/-
Participants from Industry	Rs. 2000/-

Last date for Registration : 17.02.2017

Last date for confirmation of Participation : 20.02.2017

Registration will be on first come first serve basis. As seats are limited, early registration is recommended.

## ADDRESS FOR COMMUNICATION

THE CONVENER

STTP on Pattern Recognition and Applications (PR&A-2017)  
Department of ECE, Kumaraguru College of Technology  
Coimbatore-641049.

## WHO CAN ATTEND THE COURSE?

The course is aimed to attract and bring together Faculty Members, Scientists, Engineers, Technologists, Technical Staffs, Technical Assistants, Research Scholars and PG students from Academic and Research Institutions and Industries. The participants will be benefitted immensely and will get new insights and knowledge about the topic through close interactions/discussions with the Senior Faculty Members/ Scientists and Experts of the respective field during the lecture sessions as well as in some laboratory sessions.

## RESOURCE PERSONS

- Dr.Basabi Chakraborty, Professor  
Iwate Prefectural University, Japan
- Dr.Goutam Chakraborty, Professor  
Iwate Prefectural University, Japan
- Dr.P.Ganesh Kumar, Assistant Professor  
Anna University Regional Campus, Coimbatore.
- Dr.G.Sudha Sadhasivam, Professor  
PSG College of Technology, Coimbatore

## CONVENERS

- Dr. K.Malarvizhi, Professor & Head, ECE, KCT
- Mr. Vishnu Potty, Chairman, CSI Coimbatore
- Mr. Augus Kani, Chairman, Madras IEEE Education Society

## COORDINATORS

- Dr.Ramalatha Marimuthu, Professor, Department of ECE
- Dr.A.Vasuki, Professor, Department of ECE
- Ms.K.Thilagavathi Asst. Professor-III, Department of ECE
- Ms.S.Nagarathinam Asst. Professor-III, Department of ECE
- Dr.G.Radhamani Secretary, CSI Coimbatore

## KUMARAGURU COLLEGE OF TECHNOLOGY. COIMBATORE.

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Email Id: sttppra2017@gmail.com | eceoffice@kct.ac.in

**ASSISTANCE WITH ACCOMMODATION WILL BE PROVIDED.**

SHORT  
TERM  
TRAINING  
PROGRAM  
ON

**PATTERN  
RECOGNITION AND  
APPLICATIONS  
(PR&A 2017)**

27<sup>th</sup> FEB 2017 - 2<sup>nd</sup> MAR 2017



Organized By

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
Kumaraguru College of Technology, Coimbatore 641049

## REGISTRATION FORM

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

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

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

Organization : \_\_\_\_\_

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

Mobile: \_\_\_\_\_

E-mail: \_\_\_\_\_

Accommodation Required : Yes / No

Participants Category (Please tick) :

Academicians / Research Scholar/ PG students/Industry Person

Payment Details:

DD No :

Date :

BANK & BRANCH :

AMOUNT :

Registration fee to be paid through a Demand Draft drawn in favour of "HOD ECE" payable at Karur Vysya Bank, Coimbatore.

SIGNATURE