

**FDP on
Emerging Trends in Embedded Systems
18th-20th April 2018
REGISTRATION FORM**

1. Name (in Block Letters):
2. Designation:
3. Institution:
4. Address for Communication
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.....
5. Mob:
6. E-mail Id.:
7. Year of Experience:
Teaching:
- Research:
- Industry:
8. Accommodation required: Yes/No:

Signature of the Participant:

CERTIFICATE

Dr./Mr./Ms.
is an employee of our Organization and is hereby sponsored to participate in the FDP on **Emerging Trends in Embedded Systems** during 18th-20th April, 2018 at Toc H institute of Science & Technology.

Place:
Date:

Signature of Head of Institution
(with seal)

No Registration Fees

Last Date for receiving registration form: 10-4-2018

Chief Patrons:

- Prof. (Dr.) P. J. Joseph, President,
(Toc H Public School Society)
- Dr. K. Varghese
Founder Director and Manager,
(Toc H Public School Society)

Patrons:

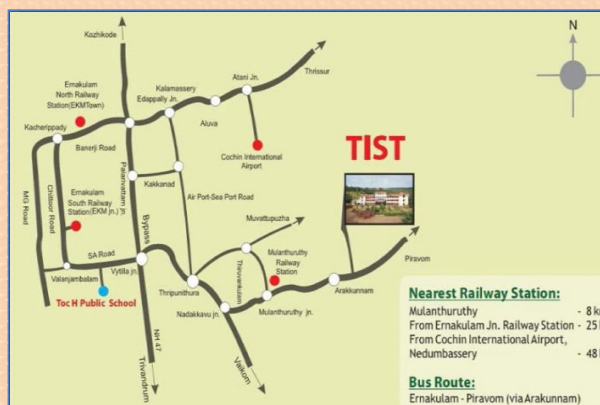
- Mr. K. A. Simon, Secretary
(Toc H Public School Society)
- Mr. M. X. Paul Vincent, Treasurer
(Toc H Public School Society)
- Prof.(Dr.) Preethi Thekkath
Principal, TIST
- Prof. (Dr.) R. Ravindran Nair
Dean Academics & Student Affairs, TIST

Convener:

- Assoc. Prof. Deepa Elizabeth George
HOD, ECE

Co-ordinator:

- Dr. Gnana Sheela K, Assoc. Prof. ECE



Address for Communication

Dr. Gnana Sheela K
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Toc H Institute of Science & Technology
Arakkunnam, Ernakulam 682313



**Faculty Development Programme
On
Emerging Trends in Embedded Systems
18th-20th April 2018**

**Sponsored by
APJ Abdul Kalam Technological University**

Organized by

**Department of Electronics & Communication
Engineering**

**B.Tech programme accredited by NBA for the period
2017-2020**



Toc H Institute of Science & Technology
Arakkunnam, Ernakulam, Kerala, India, Pin-682313
Phone: (0484) 2748388, 2749600, 2738126
Website: www.tistcochin.edu.in



ABOUT INSTITUTE

Toc H, an International Organization headquartered in the UK founded its inception in Cochin in the early 1970's. the Toc H Institute of Science and Technology (TIST) was founded in the year 2002 as an inevitable extension of the Toc H ethos.

TIST aspires to be an internationally acclaimed and top-ranking institution of excellence in enhancing quality in the technical education. It was instituted to facilitate continuous quality improvement in teaching and research with a special emphasis on science and technology. Learners are provided every avenue to exploit the opportunities that technology presents in a socially and politically responsible manner. In this way engineers provide a crucial interface between the sciences and society. Practical skills and creativity form a large part of the Engineering Programme.

Toc H Institute of Science & Technology (TIST) was established in 2002 and is located in Arakkunnam, Kerala, India. It lies between lush greenery spread over 25 acres. TIST affiliated to APJ Abdul Kalam Technological University, an ISO: 9001-2015 certified and approved by AICTE, New Delhi and the Government of Kerala. The college is accredited by the National Accreditation & Assessment Council (NAAC), and also four B.Tech programmes (Electronics & Communication Engineering, Computer Science and Engineering, Civil Engineering and Mechanical Engineering) are accredited by NBA for 3 years (2017-2020).

The TIST has established an independent research centre- J C Bose Centre for Research & Advanced Studies. It was launched by Dr. A P J Abdul Kalam, Former President of India. TIST is also a recognized as a Scientific and industrial Research organization (SIRO) by the Department of Scientific Industrial research (Ministry of Science and Technology).

The college has excellent infrastructural facilities like central library, digital library, smart class, health and fitness centre, transportation facilities, hostel, canteen, Web OPAC, banking etc.

The institute offers 7 Under Graduate courses, 8 Post Graduate courses including MBA.

ABOUT ECE DEPARTMENT

The Department of ECE was established in the year 2002. B.Tech Programme in ECE offered by the department is accredited by NBA for the period 2017-2020. The department also offers two M.Tech programmes one with specialization in VLSI and embedded systems and other in Wireless Technology.

VISION OF ECE DEPARTMENT

"To achieve excellence at the global level in Electronics and Communication Engineering, fostering in our students technological proficiency, innovation, professional and social commitment"

MISSION OF ECE DEPARTMENT

- To impart strong fundamentals in Electronics and Communication through effective pedagogical practices.
- To establish state of the art laboratories to facilitate research and innovation.
- To continuously upgrade the knowledge and skills of faculty to incorporate the latest advancements.
- To engage the students in research through investigation and critical thinking with awareness of societal and ecological considerations.
- To inculcate effective communication skills, ethical practices and professional skills to work in a collaborative environment.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

The graduates will

- Demonstrate technical competence in identifying, analyzing and designing innovative, sustainable and cost effective solutions for complex problems.
- Adapt to rapid changes in tools and technology with an understanding of societal and ecological issues relevant to professional engineering practice through life-long learning.
- Work successfully in collaborative and multidisciplinary environments upholding professional and ethical values.

PROGRAM SPECIFIC OUTCOMES (PSO's)

A graduate of the Electronics and Communication Engineering Programme will demonstrate:

PSO1: Professional Skills: An ability to apply concepts in Electronics & Communication Engineering to design and implement complex systems in the areas related to Analog and Digital Electronics, Communication, Signal processing, VLSI and Embedded systems.

PSO2: Problem-Solving Skills: An ability to make use of acquired technical knowledge for successful career and qualifying in competitive examinations at the National and Global levels.

PROGRAMME OBJECTIVES:

The objective of programme will be to equip the participants with contemporary research and teaching skills. And also give an exposure to "state of the art" in embedded system hardware and software development in various applications.

TOPICS:

- Embedded Systems
- Artificial Intelligence
- IOT Implementation Using Raspberry Pi
- Real Time Application of Embedded Systems
- Embedded Digital Security Surveillance

RESOURCE PERSONS:

- Prof. Lyla B. Das, NIT, Calicut.
- Prof. Raghu C. V, NIT Calicut.
- Dr. Bijoy Antony Jose, CUSAT.
- Dr. Sreekanth C, College of Engineering, Vadakara.
- Prof. Vijayakumar, Retd. Scientist NPOL.
- Thomas S, CEO, Digital Core Technologies Pvt. Ltd.
- Sandeep Vattappara, Founder Etiq Technologies Pvt. Ltd.

Target Participants:

Faculties of engineering colleges affiliated to APJ Abdul Kalam Technological University