



Engineering Exploration Camp for School Children

6th - 11th MAY 2019



ABOUT THE INSTITUTION

Thiagarajar College of Engineering (TCE), Madurai is a 61year old Government Aided Autonomous Institution Affiliated to Anna University, Chennai and is Accredited by National Board of Accreditation (NBA) & National Assessment and Accreditation Council (NAAC), New Delhi. TCE is one among the several educational institutions founded by Philanthropist and Industrialist Late. Shri. Karumuttu Thiagarajan Chettiar. TCE offers eight undergraduate programs, fourteen post graduate programs and doctoral programs in Engineering, Science and Architecture. TCE is ranked 39th in the National Institutional Ranking Framework (NIRF) 2018 of Government of India.

ABOUT THE PROGRAM

Engineering Exploration Camp for School Children is organized to improve their knowledge in the field of science and engineering. This program offers an opportunity to enrich and enhance their adaptive skills through activity based learning which includes lectures and demonstration.

This camp will provide a platform for linking scientific concepts with engineering applications. It strengthens the passion towards, "Do It Yourself" (DIY) approach on different domains of engineering. After completion of the program the participants will understand the importance of Technical, Managerial and Behavioral Skills.

PROGRAM CONTENT

Civil Engineering and Architecture

- *Building planning and construction*
- *Water supply and drainage*
- *Climate responsive Buildings*

Electrical, Electronics and Communication Engineering

- *House wiring skills*
- *Testing house hold gadgets*
- *Solar panel*
- *Experimenting with Sensors*
- *Wireless control of Aero models*

Mechanical and Mechatronics Engineering

- *Aurdino boards*
- *Mobile Robot*
- *3D printing machine*

Computer Science and Information Technology

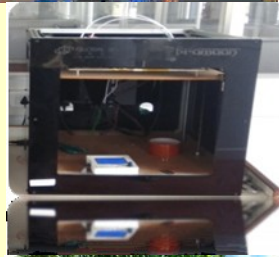
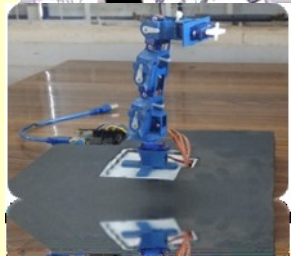
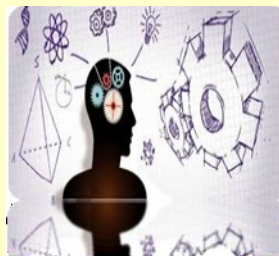
- *Multimedia and 2D animations*
- *Data Analytics*
- *Python Programming*
- *Machine Learning*
- *Virtual Reality*

Physical Sciences

- *Mathematical Modeling*
- *Smart materials and Sensors*
- *Materials for energy storage devices*
- *Solid Waste Management*

Art of Learning

- *Cognitive, Psychological and Neuroscience aspects of learning*



WHO CAN ATTEND

Students studying 9th to 12th standard from Government/Government aided/ Matriculation / CBSE / ICSE Schools.

SELECTION CRITERIA

- Selection is based on first come first serve basis
- Number of seats is limited

REGISTRATION

- Registration form is available in the TCE website. (www.tce.edu)
- Registration fee of Rs. 1000/- per student has to be submitted as DD in favor of "The Principal, Thiagarajar College of Engineering" payable at Madurai.
- Registration kit will be provided.

ACCOMMODATION

Students should arrange accommodation on their own.

IMPORTANT DATES

Submission of Registration form : 25.04.19
 Intimation of selection (by email) : 30.04.19
 Confirmation by participants : 02.05.19

FOR FURTHER DETAILS CONTACT

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Coordinators

Dr. R. Vasuki, HD Physics
Dr.S.Jeya Bharathi, HD Mathematics
Dr.M.Kottaisamy, HD Chemistry



***Engineering Exploration Camp
 for School Children***
6th - 11th , May 2019

REGISTRATION FORM

Name :

Standard :

School :

Address :

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E-Mail ID :

Mobile No. :

DD Details

Amount: Rs DD No: Date :

Bank Name & Branch:

Signature of the Parent

Signature of the Applicant