



Rashtriya Avishkar Abhiyan



CiC3

GUJARAT TECHNOLOGICAL UNIVERSITY

COMMUNITY INNOVATION CO-CREATION CENTER

INVITES SCHOOL STUDENTS FOR

One day Science workshop at GTU as a part of
"Rashtriya Avishkar Abhiyan"
by MHRD
at
Room No. 128, Gujarat Technological University, Ahmedabad Campus,
ACPC Building, LDCE Campus, Navrangpura, Ahmedabad

Former President A.P.J. Abdul Kalam launched
Rashtriya Avishkar Abhiyan
Scientific Temper among Children

Digital India
Power To Empower

Gujarat Technological University has established Community Innovation & Co-Creation Centre (CiC3) at GTU's Ahmedabad Campus, ACPC Building, LDCE Campus, Ahmedabad to promote innovation and to provide a facility for the students, where they can develop products and test new ideas. CiC3 regularly organizes workshops and seminars to upgrade knowledge and build advanced skills among the students of Engineering.

Gujarat Technological University invites on every Tuesday in month, **School Students of 11th & 12th Science or 9th, 10th, 11th & 12th** standard with **Two Teachers** for one day Science workshop at GTU as a part of **"Rashtriya Avishkar Abhiyan (RAA)"**, which was launched on **9th July, 2015** by **late Dr. A.P.J. Abdul Kalam**, Former President of India at New Delhi. The Focus of this Programme is to nurture a spirit of enquiry and creativity, love for science and mathematics, and to encourage those children who show an inclination and talent for these subjects so that they can excel in these.

The Following initiatives have been identified for Higher Education Institutions (HEIs):

(i) Mentoring of teacher by Higher education Institutions(HEI)



| Gujarat Technological University (<http://www.gtu.ac.in/>)

| CiC3 (<http://cic3.gtu.ac.in/>) |

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Contact Number : 7574801054

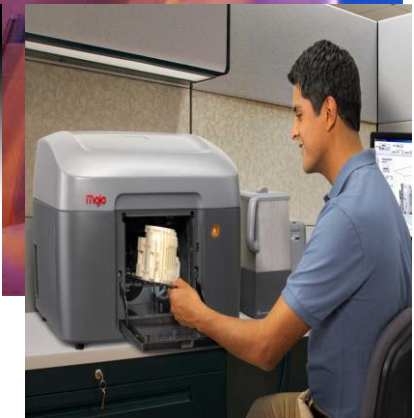
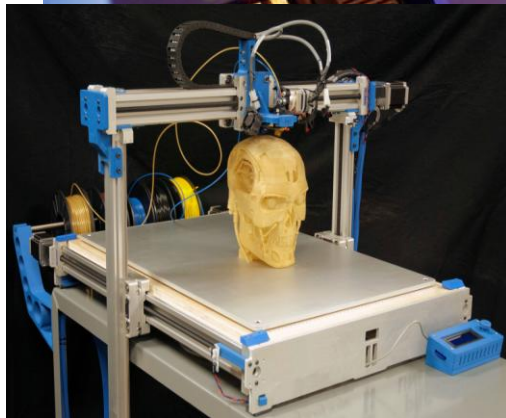
- (ii) Mentoring by HEI of school science facility
- (iii) Mentoring of Students by HEI and Graduate students at school
- (iv) Internship of students at Mentoring Institutions(HEI)

Contents of the Workshop:

1. Basic Arduino hardware & software embedded c programming
2. Different types of sensors & controllers
3. Vinyl cutter
4. How to assemble the 3-D PRINTER
5. High END 3- D printer



3D printing, also known as **additive manufacturing (AM)**, refers to various processes used to synthesize a three-dimensional object.



Vinyl Cutter

A vinyl cutter is a computer controlled plotting device with a blade. A vector based design is created in a software program and then sent to the cutter where it cuts along the vector paths laid out in the design.



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Arduino Controller Board

Arduino is an open-source prototyping platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button and turn it into an output - activating a motor, turning on an LED etc.



Interested School Students can participate in Workshop, Fees: No fees.

To register:

<http://goo.gl/forms/iCv8j5Zhe0>



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