

REGISTRATION FORM
Two Day Hands-on Workshop
on
Automotive Electronics
using Arduino Platform
2nd -3rd March, 2017

Name and Address of the applicant:

College: _____

Gender: M/F____ Qualification: _____

Experience: _____

Designation: _____

Mobile: _____

Email: _____

Accommodation required? Yes /No: _____

Address of Sponsoring Authority:

PAYMENT DETAILS (In CASH only):

Date: _____

Rs. _____

Signature of the Applicant

The applicant will be permitted to participate in the above program if selected.

Signature of Head of the Institution with Seal

Trainer details:

- Mr. Jignesh Patoliya Assistant Professor of Department of EC Engineering, Charusat University, Changa.
- Mr. Miral Desai Assistant Professor of Department of EC Engineering, Charusat University, Changa.

Who Should Attend:

- Students
- Academicians

Topics to be covered:

- Basics of Automotive Electronic components and their working principle
- Introduction of Microcontrollers
- Arduino- Open Hardware
- Arduino C
- Hands-on-experience and Interfacing Arduino Environment with GPIO, serial
- Communication, Sensors, Wireless Modules & Speed Control of Motors.

Registration fee:

- Student : 250/-
 - Academician : 350/-
- Registration charges include high Tea and refresh-ments. Interested candidates are requested to send their filled in registration form (photo copy is also accepted) to the Organising Secretary on or before 28th February, 2017.
- Confirmation of the registration will be given well in advance through email.

Accommodation:

Suitably furnished accommodation will be made available, if requested in advance, in the hostels/guest houses of the CGPIT on nominal payment basis for out stationed candidates on twin sharing basis.

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Organized by
Department of Mechanical and
Automobile Engineering
C. G. Patel Institute of Technology
Under ISTE Faculty and Student Chapter
Uka Tarsadia University
Bardoli - Mahuva Road, Dist-Tarsadi
Surat-394350

About the University:

Bardoli Pradesh Kelavani Mandal (BPKM) is a public trust established in 1960 to cater to the educational needs of the tribal belt of South Gujarat region. Academic programs across the disciplines of Management, Computer Science, Engineering and Technology, Bio Technology, Micro Biology, Science, Pharmacy, Commerce, Nursing, Physiotherapy, Architecture and institute of Sports were established in the campus. In 2008, Maliba campus became full-fledged Uka Tarsadia University. The university provides educational opportunities to over 5000 students. More than 300 faculty members of the university represent an eclectic mix of professional and academic, national and international experiences.

About the Host Institute:

Chhotubhai Gopalbhai Patel Institute of Technology (CGPIT), a constituent institute of Uka Tarsadia University, Bardoli, is approved by AICTE, New Delhi. Each year, we welcome thousands of students from all over Gujarat and cater their educational needs with a wide variety of Diploma, Undergraduate and Post-graduate programmes in Engineering. Studying at CGPIT offers the students an academically excellent learning solution with a strong practical and practice orientation. With an attempt to provide the students a high level of competence, the institute has developed student-exchange

programs and cooperative partnerships with foreign institutes of high repute.

About Department:

Department of Mechanical/Automobile Engineering was established in the year 2010. This department aims to be comprehensive in all segments of the society by providing educational courses of ITI, B. Tech., M. Tech. and Ph. D. In favour of the overall development of students, department follows holistic approach that incorporates career counselling, industrial tours and professional society related exercises along with academic activities. Faculty members are well qualified and acquainted with industrial practices.

About the Workshop:

Automotive electronics are any electrically-generated systems used in road vehicles, such as carputers, telematics, in-car entertainment systems, etc. Automotive electronics originated from the need to control engines. Automotive electronics or automotive embedded systems which are distributed systems, and according to different domains in the automotive field, they can be classified into Engine Electronics, Transmission Electronics, Chassis Electronics.

Arduino is an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software. It's intended for artists, designers, hobbyists, and anyone

interested in creating interactive objects or environments. Arduino can sense the environment by receiving input from a variety of sensors and can affect its surroundings by controlling lights, motors, and other actuators. The microcontroller on the board is programmed using the Arduino programming language (based on Wiring) and the Arduino Development environment (based on Processing). Arduino projects can be stand-alone or they can communicate with software running on a computer.

Chief Patron: Dr. D.R.Shah, Provost & CEO, UTU.

Patron: Dr. N.C.Shah, Director, CGPIT.

Course Coordinator:

Dr. Chinmay K Desai, Professor, HOD, Mechanical/Automobile Engineering, CGPIT.

Course Co-coordinators:

Mr. Ramakant Panchal, Assistant Professor.

Mr. Vikesh Patel, Assistant Professor

Mr. Bhargav Patel, Assistant Professor

Contact us

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