

## Request of Proposal for Hosting

# GTU CENTRE OF EXCELLENCE

GTU is planning to establish a few centre of excellence at frontiers of today's technology. The objective is to have one such centre in every zones of GTU during this academic year. The centre will be called GTU Centre of Excellence and will be located at one of the engineering colleges, affiliated with GTU.

GTU will invest about Rupees Five Crore for the development of each of these centres. It will also recruit and pay for the salaries of the faculty members working at the centre.

We propose to make a beginning with centres using Bosch Technologies.

The primary objective is to develop industry institute partnership in the field of Automation Technologies and to bridge technology gaps between industry and academia. The Centers will provide facilities for hands on experience on today's technologies and help develop new pedagogical methods.

This centre will act as a centre to transfer current technologies to students and evolve into a research and innovation centre where focus is on Training, Knowledge transfer, Projects, Application, Research and Innovation. These centres will improve employability and provide greater opportunities for developing entrepreneurship. Post Graduate programs based on this centre may also be planned. These may lead to development of new applications and further research.

The proposed centre will have

- 3 sets of Proportional/Closed loop Hydraulic kits with 6 work stations.
- 3 sets of Electro Pneumatic kits with Proportional kits and easy to combine units, with 6 work stations.
- 5 sets of PLC's with Universal simulators.
- 5 sets of Advanced Sensorics
- 2 Integrated Motion Logic kit with Servo drives, Servo Motors and HMI's
- 2 Set of CNC with HMI, Drives and 4 motors.
- 1 Mechatronics kit with three stations.
- 1 Robotic Training system

A college will have to provide the necessary infrastructure by giving building, electricity supply and connections, Network wiring and connectivity in addition to campus residencies for Professors and Technical persons. The College will have to provide necessary built up area and facilities including security arrangements.

The University will bring the necessary equipment, install it and provide teachers for conducting training programs. For smooth running, the college will provide two Technicians and helpers at its own cost.

## **The primary Requirement for the GTU Centre of Excellence (based on Bosch Technologies)**

### 1. Training Halls:

- i. Hydraulics: A minimum of 30'x 30' Training Hall with integrated smart class rooms.
- ii. Pneumatics: A minimum of 30'x 30' Training Hall with integrated smart class rooms.
- iii. Electric Drives and Controls: A minimum of 30'x 30' Training Hall with integrated smart class rooms.
- iv. Mechatronics and Robotics: A minimum of 30'x 30' Training Hall with integrated smart class rooms.

### 2. Electricity supply and connections, Network Wiring and connectivity.

In order to host GTU Centre of Excellence at your institute, you are requested to apply with the following details

1. Basic information about the institute and its activities.
2. Availability of infrastructure. (In case not available - how soon can it be ready?)
3. Your plans for using this infrastructure for the use of students of all colleges of your zone.
4. Your plans for using this infrastructure for Industries.
5. Any other plan which can help the centre to develop and sustain its excellence.

The covering letter along with relevant document may please be sent by courier / post in sealed cover addressed to

### **Registrar**

Nr.Vishwakarma Government Engineering College  
Nr.Visat Three Roads, Visat - Gandhinagar Highway  
Chandkheda, Ahmedabad – 382424 - Gujarat

***Last date of Submission of Applications for Hosting GTU Centre of Excellence is Tuesday, 18<sup>th</sup> June, 2013.***

Note: For any clarification, you may contact **Mr. Naresh Jadeja**, Deputy Director at GTU.

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