

Request of Proposal for Hosting GTU CommUniTY innovaTion & Co-creation center (C-I-C3)

To build capacity in the student leadership and support innovation, GTU is aiming at creating 10 Student Community Innovation & Co-Creation Center (C-i-C3). It will be a Community hardware Design innovation co-creation center at 10 best performing GTU Innovation Sankuls. Aim of this effort is that more and more students and faculty members can access it in a particular locality. The best 10 performing Sankuls who will commit to cooperation and provide the necessary facilities at their place will avail to host this Center.

C-i-C3 will be located within the premises of a college, affiliated with GTU. The college will be called the Host institution for the center. The GTU affiliated institution can apply for hosting this center at their college and will undertake to provide the necessary help for carrying out the agenda of the center.

GTU will initially invest about Rupees Ten Lakh for the development and operation of each of these centers every year. It will also recruit and pay for the salaries of the faculty members working at the center. GTU plans to develop these centers into a facility for skill-building known as Fab Lab or Tinkering Lab at other Technological Universities in the world. Such skill-building facilities will require large investments which may be done by GTU after seeing the utilization of the basic facilities. As per the media reports dated 15th December, 2013, Kerala Government has announced to set up such labs which will follow the specifications and directions of Massachusetts Institute of Technology (MIT) in the US where this concept was originally started.

The primary objective of the center will be:

- 1) Inculcating design thinking and foster/promote the open source hardware/software community in Gujarat.
- 2) Provide students with the latest open source hardware boards and modules which are in par with the industry standards.
- 3) Provide online community to overcome problem of physical constraints and sharing knowledge to others who cannot join Community innovation & co-creation center.
- 4) Assist students to create innovative and creative projects that solve real world problems.
- 5) Conduct local events like Hackathon/Workshop etc. to provide students a platform for showcasing their talents.
- 6) Capacity building and scaling such efforts in nearby colleges. Help teams doing IDP/UDP to get access to such facility and hone their skills and design and fabricate prototypes.

The following hardware components and tool kits may be required at the centers:

- Basic Electronics Components like Resistors, Capacitors, Relays, ICs etc
- All the goods which is require for soldering
- Good Power Supply options
- Popular Open Source Hardware boards e.g Arduino, Raspberry Pi, Beaglebone Black,
- Pepilo Board, Pandaboard
- Different sensors to work on
- Different actuators to work
- Small scale DSO, CRO

The primary Requirements to set up GTU C-i-C3 Center in your college -

- Provide 4 halls of 30 feet X 30 feet with 3 phase electricity connection and integrated smart classrooms.
- Residential facilities for the C-i-C3 center and employees
- Institute should be easily accessible from the major population center of the area
- Institute should provide a working hostel for boys and girls (Up to 30 when they come to the center for a short period at a reasonable charge.)
- Center should be open after office hours, since the students will work on their project after their classes. The institute should be able to provide security to young person working at these centers.
- Institute should make available Seminar & Lectures halls, Library etc to students free of cost.
- Provide Security, local cleaning, support staff, Internet & Communication facilities.

In the future the University can help establish a company under section 25 at each C-i-C3 with participation of the C-i-C3 committee. This will enable every C-i-C3 to bid for grants from central and state govt departments and from private sector from their CSR funds.

GTU will establish Mentorship Boards which will evaluate and select projects and members of the community innovation & Co-Creation center. There will be Volunteer Boards who will maintain online community and spread awareness about hacker space among different universities and students.

Fee Structure

- GTU students are free to use any resources of Lab. No membership fee for them at this time.
- Students who are not in GTU will be charged as student membership fee.
- Freelancers/ Industrial employees will be charged by some good amount as membership fee.

In order to host C-i-C3 Center at your institute, you are requested to apply with the following details

1. Basic information about the institute and its activities related to S4, OSTC, MWTC and its clubs.
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. Any other plan which can help the center to develop and sustain its excellence.
5. A letter from the Co-Chair (Industry) of the Sankul supporting the purpose.

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

Registrar

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

Last date of Submission of Applications for Hosting C-i-C3 center is Thursday, 13th February, 2014.

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

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