

## Student Start-up Support System (S4)

### Strengthening the entrepreneurial eco-system:

### GTU shakes hands with Dewang Mehta Foundation and

### 'NASSCOM's 10,000 Start Ups'

#### "Start-Ups 2020"

In order to evangelize the Start-Up ecosystem, Gujarat Technological University (GTU), jointly with Dewang Mehta Foundation and NASSCOM's 10 K Start-Ups is organizing "Start-Ups 2020" competition for the young graduates/ senior students of Engineering and Management disciplines from 3<sup>rd</sup> to 5<sup>th</sup> May, 2013.

More information and registration is available at : <http://www.openfuel.org/gtu-nasscom-startup-2020/>.

*BACKGROUND: GTU has worked to build a culture of innovation and R & D amongst its faculties and students. It has encouraged the students to work on ideas that would benefit the society at large, through its GTU Innovation Sankuls. During the academic year 2011-12, 73% of 17,000 Final Year projects were based on problems in SMEs. 1900 industries said that they had benefited from the work of GTU's Final Year students. GTU has also invited the grass-root innovators, to inter-act with the students and faculty members for mutual advantage.*

*GTU is the first Technology University to have taken up training of faculty members through its Intellectual Property Rights (IPR) and Patenting mission. During the academic year 2011-12, 1104 faculty members have participated in two-day IPR workshops, organized by GTU. Another 1430 faculty members were trained through one-day IPR workshops. This mission has led to filing of 177 patents, based on student-projects, by the students, faculty members, Colleges and the MSEs.*

GTU's Student Start-up Support System (S4): GTU has built an ambitious S4 program for its students. With this program GTU aims to give an experiential learning of entrepreneurship to its students. Yash Saxena, who is the honorary coordinator of S4 Project, is handling the organization of the startup 20/20 program.

## Student Start-up Support System (S4)

Start-Ups 2020 : There is a growing need that the young are able to think outside the box and work on an idea that could be expanded to build an enterprise. The would-be entrepreneurs have to learn to work in a team, that is capable of making an idea grow and work through various challenges to make a successful entrepreneurial venture. The Start-Ups 2020 focuses on taking the ideation and innovation outcomes towards commercialization stage. The weekend program, of 3-5 May 2013, through its structure aims to inculcate the practice of co-creation leading to innovation.

Start-Up 2020 is supported by experts and successful entrepreneurs who would provide mentorship to these young start-ups and help them in their ideation and in the process of setting up enterprises. The young, who want to become entrepreneurs, will come together on Friday. Many of them may be meeting at the venue for the first time. They will form teams around an idea of their choice and will work through Saturday and Sunday to make a presentation in front of a Panel of judges who would select the top three ideas, which have a potential to be incubated as Start Ups.

### **Appendix:**

#### *A few Lines on GTU's work in Entrepreneurship*

The Incubation Cycle may be distributed into three steps:

1. Ideas to proof of concepts
2. Proof of concepts to products
3. Products to markets.

GTU wants to encourage its students and graduates through the entire cycle. The report of GTU's activities, in this direction, is as follows:

- On 2<sup>nd</sup> August 2010, GTU began the GTU Innovation Council ( Today it is, 'by a long long shot' the most active Innovation Council in the country.)
- During the summer of 2011, the first cohort of our degree engineering students, who were to enter their Final Year of studies in August 2011, as well as the Diploma engineering students went on Shodh Yatras all over the state to search out a problem for their Final Year project. 50,000 students started working on 17,000 projects in Aug

## Student Start-up Support System (S4)

2011. 73% of the projects were anchored in the industry and were designed to improve a product or a process in the participating industry.

About 1,900 industries have said in the preliminary report that they have benefited from the projects, **done by the students.**

**More than 177 patents, based on the projects, have already been filed.**

**Such an effort has never before been made by any University anywhere. This program has been taken up under the GTU Innovation Council.**

**For immersion studies in our MBA program, we have set up three Skills councils ( Marketing, HR and Finance) with 25 Sectoral Panels ( 7, 8 and 10 Sectoral Panels respectively for the Marketing, HR and Finance Councils respectively.)**

- On September 3, 2011, GTU started workshops on Intellectual property Rights. The objective was that the faculty members should be able to spot a patentable idea and advise their students, the college and the industry about desirability of applying for a patent and about the ethical practices in each case. The following Workshops were conducted during 2011-12:
  - 2-days workshop on “Patenting in Pharmaceutical Sciences”: 140 Faculty members
  - Five 2-days workshops on “Patenting in Engineering”: 840 Faculty members
  - 2-days Advanced workshop on “Patent Search & Drafting of Provisional Application”: 124 Faculty members
  - 1-day workshop on “Filing of Provisional Patent Application”: 25 Faculty members
  - Eight 1-day workshops on “Patent Search Methodology”: 1,405 Faculty members

Half-day awareness workshops were conducted for students at Ahmedabad, Surat, Vadodara and Rajkot. The details of these workshops are as follows:

- Total no. of Awareness workshop conducted for students : 10
- Approximate no. of students, trained in the workshops : **3000**

During this academic year, the University has begun workshops for students on Prior Art Search.

By May 2012, for many of the projects, patent applications have been filed (with zero support from the Innovation system in the country.) We have learnt about 177 such patent applications, even though the number of such applications by the outgoing class may be more.

## Student Start-up Support System (S4)

137 groups have registered with Student Start-up Support System (S4 Cell) of the University for setting up new enterprises on the basis of their projects.

- When the students projects were reaching completion, we organized two Design Workshops.
- Two Student Startup Support System(S4) workshops were organized so that our students may be able to become successful entrepreneurs.
  - S4 Workshop on 25<sup>th</sup> February 2012: The workshop was attended by over 100 students and faculty members. A few entrepreneurs also spoke at the function and share their stories of entrepreneurship. The workshop also conducted an idea generation session among the students.

Announcement:

<http://gtu.ac.in/circulars/12Feb/Entrepreneurship%20workshop%2025th%20circular.pdf>

Report:

[http://www.gtu.ac.in/circulars/GTU\\_inovation\\_sankul/Entrepreneurship Workshop 25th Event Report- GIC Format.pdf](http://www.gtu.ac.in/circulars/GTU_inovation_sankul/Entrepreneurship_Workshop_25th_Event_Report- GIC Format.pdf)

The Highlights of the student activities at the workshop in video format are available here: <http://www.youtube.com/watch?v=yAHaXmJWZZw>  
[http://www.youtube.com/watch?v=rLTHz\\_vBkSE&feature=relmfu](http://www.youtube.com/watch?v=rLTHz_vBkSE&feature=relmfu)  
<http://www.youtube.com/watch?v=v98juQnEd0E&feature=relmfu>  
<http://www.youtube.com/watch?v=e9ccnKIB3qI&feature=relmfu>  
<http://www.youtube.com/watch?v=vY1ks0acfBQ&feature=relmfu>

- S4 Workshop on 2<sup>nd</sup> June 2012: This Workshop was organized after the Final Exams. 137 groups of students working in the fields of IT, Mobile Computing etc came together to learn about entrepreneurship along with some leading entrepreneurs in Ahmedabad. The workshop organized panel discussions with the entrepreneurs.

Report :

[http://www.gtu.ac.in/circulars/GTU\\_inovation\\_sankul/4612.pdf](http://www.gtu.ac.in/circulars/GTU_inovation_sankul/4612.pdf)

## Student Start-up Support System (S4)

- The first TiE over Coffee meeting with Shri Arvind Patel founder of Sahajanand Laser Technology and Dr. Akshai Aggarwal, the Honorable VC, GTU was organized on September 1, 2012. Its Report was published at <http://www.gtu.ac.in/circulars/12SEP/12092012.pdf>.
- S4 organized on October 2012 TiE over Coffee meeting with Mr Mihir Joshi and other authorities from GVFL and other financial institutions. The TiE team consisted Rushina Doctor, Sr. Executive TiE Ahmedabad and Anu Sutaria Executive Director from TiE, Ahmedabad . The Report can be accessed at: [http://www.gtu.ac.in/circulars/12NOV/19112012\\_06.pdf](http://www.gtu.ac.in/circulars/12NOV/19112012_06.pdf).

The GIC and S4 team continues to inter-act intensively with all those students and alumni, who are interested in establishing their own new enterprises.

\*

\*