GTU INNOVATION COUNCIL

Student Start-up Support System (S4)

REPORT:

Design innovation training program for 1st and 2nd year students to let them have brief idea and objectives of the GTU's 1st of its kind program "Design Engineering"

Date: 17/10/2014   **Time:** 17:30 to 20:00

Venue: 126, GTU Student Startup Support System Co-Creation Center (S4-C3), ACPC Building, L.D College of Engineering, Ahmedabad-15.

Objective:

Help students understand the design engineering program of GTU,

http://www.gtu.ac.in/circulars/14Oct/Learning-Design_thinking-Manual%20v11.0.pdf

Target audience:

Students of 1st and 2nd year Eng. Of GTU Affiliated colleges

Tools used:

Ideation canvas, product design canvas and similar frameworks

Reference video links for such flash venture program: http://vimeo.com/86972450

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GTU Innovation Council and Student Start-up Support System organized a workshop on 17th October 2014 named **"Flash Venture"** for the first year and 2nd year students of **Ahmedabad.** About **50 students** and few faculty members participated in the workshop. The students were divided into **8 teams**, where each team had members belonging from the **Mechanical, Electrical**, **Electronics and Communication** and **Information Technology** branches of engineering respectively. Before the workshop, the students were sensitized about the initiatives of GTU Innovation Council and the activities carried out by Student Startup Support System. Students and Faculty members were amazed by the work that is being carried out by GIC and showed enthusiasm in being a part of GIC in the near future.

Picture: Mr. Kalp Bhatt explaining the participants about the workshop.

The topic of the hands-on workshop was to build a **"Smart Chair".** At first, the students found it hard to understand the theme of the workshop, but once they were cited with general problems that an individual has to face in his/her day-to-day life; they started to ideate about it. They carried out a survey with the team next to them over tea. The survey made them aware about various difficulties, that a person has to face everyday, on the basis of the difference in the body structure and height as well as the medical conditions.

Picture: Participants during the ideation, market survey and product design session.

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After the surveying session, participants started working on their Design Thinking Venture Canvases with a strategy in which each team divided themselves into a group of 3 team members working on filling the canvases based on their ideation and 2 team members working on the design of the prototype/product based on the ideation and customer requirements. Thus, they incorporated team management and multi-tasking skills into their regime which can help engineers save a lot of their precious time. Soon after the session, the students started designing their prototypes and also started preparing for their presentation session.

Picture: Participants during the presentation session after Mr. Kalp Bhatt explained the Design Thinking Venture Canvas.

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Presentation started around 19:30, where each team was provided a total of 5 minutes to present their canvas and carry out a Q/A session with the jury and fellow participants. Even after the completion of the workshop, these student participants stayed and curiously continued group discussion to enhance and improve their designs. The faculty members were delighted at the sight of these future engineers, working to improve their knowledge with the never seen before enthusiasm.

The presentation session turned into a very interactive group discussion when these first year enthusiasts debated with their fellow participants for proving their concepts and methods used in achieving the ultimate smart chair.

Feedback

We expect our logical growth as well as to get engaged in all type of innovation and projects. It was a very amazing workshop. We had never thought about problems in such a manner before.

- Nisarg Mehta (Student AIT)

Every small problem to the minutest detail is important and the smallest ideas can bring a change. We cannot wait for attending the future events at GIC-S4.

-Vignesh Prabhu (Student AIT)

We learnt new things and also how to create innovative things, bring out innovative ideas from our minds. We learnt team management and sir explained us how to multi-task our work by division of work.

-Rajput Dharmik (Student AIT)

Students get to open up their minds and ideas here. This is a place where their idea and views are accepted. We look forward to GIC now. We never got such a platform before.

-Katariya Mayur (Student AIT)

To develop and ideate on innovative ideas. To acquire knowledge and implement it in the form of prototypes.

-Pratik Memagara (Student AIT)

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