

# GUJARAT TECHNOLOGICAL UNIVERSITY

## GTU Innovation Council



**Report  
Of  
One Day Workshop  
On  
“How to Develop Innovative  
Projects/Solutions in Chemical engineering”  
while solving real life challenges and create  
Entrepreneurial Opportunities**

**Date: 10/04/2017 Time: 10:00 am to 5: 00 pm**

**Venue:**

**Gujarat Technological University,  
Block 6, LD Boys Hostel Campus, Near Old passport office, Navrangpura, Ahmedabad**

### Background of event:

With the visionary leadership of **Hon'ble Vice Chancellor Dr. Navin Sheth**, GTU Innovation Council (GIC) has organized one day Workshop On "How to Develop Innovative Projects/Solutions in Chemical engineering" while solving real life challenges and create Entrepreneurial Opportunities with the students of Chemical Engineering branch of L.D College of Engineering. The motive behind this event is to explore the innovation and creativity concept in final year and pre-final year students of Chemical engineering. Ultimately each student could have clear vision regarding part of innovation in their project.

### Inauguration Session:

During the inauguration session **Mr. Hiranmay Mahanta** has welcomed the **Prof. Sachin Parikh** and **Dr. G.P Vadodaria**. The workshop was initiated by Prof. Sachin Parikh (HOD, Chemical department, LDCE), who addressed the students about awareness of this program and how this would be helpful for the selection of project based on innovation. Dr.G.P Vadodaria (Principal, L.D.C.E) has also addressed the students about importance of creativity and innovativeness in the Students.



Moments of Inauguration

### Program & Discussion:

First Session on fundamental of innovation was conducted by **Mr. Hiranmay Mahanta** (Director, GIC). In the introduction he explained basic different between innovation and invention and started the interaction talk with students. Then after he taught the key term of Innovation, "3F" (Form, Factor, Feature). He explained the key matrix of three factors in which the innovation could be done

by just improving or changing any of the one factors. He gave the numbers of case examples of different innovation in Chemical engineering and other streams.



Moments of First Session

Second session was conducted by **Mr. Hemal Nayak** (Asst. Prof, GTU). He has explained about GTU innovation council and its different pillars and how GTU students should get help from different section. He explained about Design team, CiC3 and S4 team could nurture the creative projects and eventually student could create start-up product. He has also explained about different government scheme like nodal institute of Government of Gujarat where government helps for stat-up and scale-up. Furthermore he has given the information regarding INDUSTRIAL SHODH YATRA and VISHWAKARMA YOJNA.



Moments of Second Session

Then after he explained about introductory and importance of patent. He also taught the students about searching patent using keyword. There are multiple open source websites where student can do easily basic search for the patent in Google patent database, Wipo patent and IP India service. He also showed Pat-seer software in which student get access for patent search for two days after requesting it on GTU IPR website.

Final Session was conducted by **Mrs. Krutika Paradkar** (Asst. Prof, GTU). She has explained about GTU E-library where student get access to search research paper of top reputed journals. Additionally she explained that student get also access to read last three year project theses of every college of GTU by E-library portal.



Moments of final session

### **Key Outcome of the Event**

At the End we gave the students one exercise in which the “chits” of research topic related to chemical engineering was given to each students, within one hour student submitted their idea of project with the help of patent search tool and e-library portal.

### **Acknowledgment**

We would like to thank Mr. Hiranmay Mahanta, Prof. Sachin Parikh, Dr. G.P Vadodaria , Faculties of Chemical Engineering L.D College of Engineering and GIC Staff to make this event successful.

Reported By: Mr. Hemal Nayak (Assistant Professor, GIC-GTU)

Report Edited By: Mrs. Krutika Paradkar (Assistant Professor, GIC-GTU)

Reference link of similar event: [http://gtu.ac.in/circulars/15June/24062015\\_12.pdf](http://gtu.ac.in/circulars/15June/24062015_12.pdf)