

# GTU INNOVATION COUNCIL

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

		
<b>Student Startup Support System (S4)</b>	<b>Gujarat Technological University, Ahmedabad</b>	<b>GTU Innovation Council (GIC)</b>

**A**

## **Report on**

**Roundtable discussion for capacity building of GTU Innovation Clubs**

**In Pharmacy Colleges, affiliated with GTU**

**Date:** 28<sup>th</sup> March, 2015

**Time:** 15:00 to 19:00

**Venue:** Block 6, GTU Innovation Council, LDCE Hostel Campus, Ahmedabad-380015.

## *GTU INNOVATION COUNCIL*

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

Gujarat Technological University is the first large scale State University to set up an Innovation Council on 2<sup>nd</sup> August 2010. In 2011, GTU started setting up GTU Innovation Clubs in GTU-affiliated colleges including Pharmacy colleges. During the last academic year, GTU has developed a Student Start-up Policy to support young innovators and has also intensified efforts to set up the Clubs in every Pharma College.

A panel of senior experts from Pharmacy colleges and industry were invited to contribute to this discussion. The agenda for the discussion was to devise a strategy for strengthening the Innovation Clubs and to develop a set of activities and interventions which can be attempted by Innovation Clubs of Pharmacy Colleges, affiliated with GTU.

Dr. C. J. Shishoo was the Guest of Honour at the discussion. Honorable VC GTU, Dr. Akshai Aggarwal shared his views on recommendations made by all the participants and confidently added that we could certainly better harness the creative potential of young students across all campuses through a common strategy, as suggested by this expert group. Mr. Hiranmay Mahanta, Honorary Director, GTU Innovation Council shared the best practices of GIC, S4 and CiC3 and how university was aiming to crowd source best practices in pharmacy sector and make some grassroots level intervention to develop innovation culture across colleges.



# GTU INNOVATION COUNCIL

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

*Picture: Hon'ble VC Sir, Dr. Shishoo and Principals of various Pharmacy Colleges.*



*Picture: Dignitaries during the Roundtable discussion.*



*Picture: A candid moment with Dr. K. N. Patel who took special interest in making this meeting happen to shape innovation interventions in pharmacy colleges.*

Dr. K. N. Patel took the initiative for conveying the crux of the discussion by compiling the following points to diversify the role of Pharmacists like other developed countries in the context of the present scenario of Indian Pharmaceutical Industries.

1. Let the Pharmacist/Clinical Pharmacist be appointed in hospitals.
2. Let them accompany the doctors while diagnosing and prescribing the medicines
3. Let them study various prescriptions and diagnosis.
4. Let us do research in the field of medicines.

He shared that India has hardly 1% contribution in the research and patents as compared to the world. But Indian scientists have 40% contribution in the research overseas. The only thing we lack is the direction and determination to work together.

We have very good scope for research and to treat and cure various diseases.

**Action Plan as suggested by participating pharmacy college principals**

(A) Let us go to the villages and slum areas along with a team of senior teachers, students and Ayurvedic doctors.

a. Let us examine the health of people (children, females & males) check their Haemoglobin, Blood Pressure, Blood Sugar, Cough, Asthma etc. Try to diagnose the people with the help of pathological reports. Let's decide the diseases and the medicine & their use.

b. Let our patient be treated with medicines and at proper time interval pathological reports should be collected. Follow up, check the patients every week (Sunday). Each new batch of students should adopt one nearby village or slum area along with the help of at least 3 teachers we can document the effects of these Ayurvedic single herb or combination.

c. We should have reports of 1000 patients being treated by same herb for the same disease. The reports should be scientific. These results should be published, popularized and patented.

(B) Find out new active molecules from our Ayurvedic medicines:

If the claims of Ayurvedic medicines are proved by above field work with patients using modern diagnostic parameters, it is very easy to find out active chemical constituents from them, identify them, patent them and market them after proper clinical trials. We can directly patent the herbs or their aqueous extract for particular ailments & market them, if above field work is done.

Dr. A. B. Vaidya working as a scientist in Bhatiya Vidhyapith and an adviser to ISM and WHO says that we should validate the claims of Ayurvedic Medicines on many patients using modern diagnostic parameters, and we publish it in International Journals and advertise it.

(C) We should have Yoga centres in all schools, colleges and villages. It's an easy way for healthy lifestyle. Let there be one-week summer and winter schools for every teacher and exam shall be taken.

(D) The following topics were covered during the discussion:

1. Innovation in Pharma :

- Pharma based innovation and research should be the part of each and every Tech-Fest and similar efforts of university and colleges.

# GTU INNOVATION COUNCIL

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

2. Social Interaction:
  - Quarterly meets for all experts and mentors should be carried out with other social entities and stakeholders involving students.
3. Community Outreach:
  - Common Consortium for all Colleges that will create a common platform for carrying out all the activities. Institutes may independently carry out some efforts.
4. IP Research Entrepreneurship:
  - Patent filing, IP Activities, New endeavours in Pharmacy Science as GTU has done massive efforts in engineering for such activities.
5. Healthcare and hospital Pharmacy management
6. Few Activities for skill development as suggested by participants

List of Activities	
Name	Description
Pharma Innovators	A seminar on the real life entrepreneurial stories of innovators who changed the game. e.g. SUN Pharma
Pharma Quiz	A quiz regarding all the components and ingredients used in making a medicine etc. It will include all the elements and ingredients from the syllabus of pharmacy, which will help students and faculty members to understand and teach via an interactive way for learning.
Pharma Recipe	Its a very interactive workshop like the flash venture, where students are given different ingredients and are asked to develop an ointment, medicine etc using some known ingredients and also by looking for a replacement of the most common ingredient.
Pharma Models	It is where students will make models out of various stationery material. e.g. how the Ebola looks like, a model on genetic engineering etc.
Pharma Ideation	It will totally focus on ideation canvas, where students will ideate regarding the hereditary diseases, ways to develop a new medicine for swine flu etc.
Business Modeling for Pharma Start-ups	To teach Business Model Canvas to all students. So that they can start their own start-ups. Later on we can enrol them for Crowd Funding Initiator.

# GTU INNOVATION COUNCIL

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)



Picture: Dr. Shishoo being felicitated by Hon'ble VC Sir and the dignitaries being felicitated by Dr. Shishoo. (left to right)

**Report by:** Kalp Bhatt, GTU Innovation Council