GTU INNOVATION COUNCIL

One Day Capacity-Building, Consultation and Orientation Programme
for
IPR/Patent Fellow and Associate applicants of GTU Innovation Council

22nd February 2014, Saturday

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One day capacity building Programme for GIC IPR fellows & Students on
IPR, Patent Searching, PSAR & PDE for
IPR/Patent Fellow and Associate applicants & Students of GTU affiliated colleges
on Saturday, 01st March 2014

Organized at

Room No: 126, Gujarat Technological University, Admission Committee for Professional
Courses Building, L.D College of Engineering Campus, Navarangpura, Ahmedabad -380 015

GTU Innovation Council has decided to create a team of young and enthusiastic students from all GTU affiliated colleges to promote and better run various activities of GTU Innovation Council (GIC) and S4 (Student Start-up Support System). These students will be known as the GIC Fellows and Associates based on their and involvement in to various activities of GIC and S4 . Initially GTU had got responses from more than 480 students who wish to be associated with GIC and S4 and work in to various diversified areas. Initially we had organized two general orientation sessions of all GIC fellows and associates on 18th & 25th January 2014.

Out of all those students more than 150 applicants from GTU students and alumni, had shown interest to be an IPR/Patent fellow. For all those students GTU Innovation Council had organizing "**One day capacity building, consultation and orientation session for IPR/Patent Fellow and Associate applicants of GTU Innovation Council**" on 22nd February, 2014 at Room No: 126, Gujarat Technological University, Admission Committee for Professional Courses Building, L.D College of Engineering Campus, Navarangpura, Ahmedabad.

During this event more than twenty young and enthusiastic IP Fellows from various colleges have participated. *Mr. Amit Patel, Project Officer (IPR/Patent) – GTU* had interacted with all participated and actively debated on various issues to establish the Innovation-IP club at all colleges and to motivate all students for innovative projects. All the participants were divided in to four groups and discussed on "Innovation-IP Club Framework Model" developed by team of GTU Innovation Council. The same model is also discussed with participants during IPR Fellow & Students training programme on Basics of IPR, Patent Search, PSAR & PDE on 01st March 2014 Saturday at ACPC Building, Gujarat Technological University, Ahmedabad

During **one day capacity building programme for GIC IPR fellows & students on Basics of IPR, Patent Searching, PSAR & PDE** nearly seventy participants were present from various colleges across the state on 01st March 2014, Saturday

at Room No: 126, Gujarat Technological University, Admission Committee for Professional Courses Building, L.D College of Engineering Campus, Navarangpura, Ahmedabad. *Mr. Amit Patel Project Officer (IPR/Patent) – GTU* had given a daylong session to all IP fellows on Basics of IPR, Patent Searching, PSAR & PDE. Discussion with all the participants was made on "Innovation-IP Club Framework Model" developed by team of GTU Innovation Council.

Annexure I of this report represents this Innovation-IP Club Framework Model. The framework model is based on following points, on which debate is made and suggestions from all participants taken:

1. *Interest of student/Interest Build up*
2. *Role of Innovation-IP Club at all colleges*
3. *Project Selection Criteria's & Fund Support(Small projects during all years of study)*
4. *Prior Work Search (Research Papers & Internet Resources)*
5. *Patent Search & Analysis Report (PSAR) & Patent Drafting Exercise (PDE)*
6. *Role of Fellows in Patent Awareness (Events/Seminars/Quiz/Competition)*

All teams and participants during both programmes actively participated and represented their views and strategies to strengthen on all above points. *Annexure II* of this report represents the list of participants in these workshops.

Key notes from all groups are given below:

- Minimum one GIC Fellows/Associate (focusing on IPR) from all classes from every semester should be available at every college to initiate the activities of IP Club.
- Create IPR team of active student and faculty at every college and zone.
- Establish chain system of cumulative growth and learning by involving students from all branches and all years, so that this system will sustain for a longer period.

- Appoint one faculty from every college, who has good network, communication with student community and interest for innovation and experimentation. Such faculty will support and advice into college level innovative activities.
- Every College should focus more on the junior students (first, second and third year students) training on IP and innovations.
- Each IP fellow have to take part in club actively, one to one interaction among all fellow is very important. Collective effort of individual makes team work collective.
- Establish a team of students and faculty (Innovation-IP Club) at every college who have basic knowledge about IPR, Patent, Patent Search, Provisional Patent Drafting, PSAR & PDE activity. Such team should organize seminars on various IPR topics for students from all years.
- Organize IPR Seminar/Quiz/Competition at regular interval of time to make it a very active club; steps should be selected to make this process fun learning.
- Debate or Competition should be organized to generate innovation idea for every 3rd year student. Project selection process should be initiated in the 3rd year of study.
- System should be developed where in second year onward students will join and work along with any final year student's projects, to cope up and decrease the gap between senior and junior.
- Spread detail about GIC and various GIC working activities at every college by mouth publicity, posters, notice board notifications and all other possible ways.
- Maximise the use of all social media and IT technologies for easy and fast communication with all students within the college and with outside colleges for innovation and IP club related activities.

- Each college has to prepare monthly report of IP club activities to GIC, and any such good activities at any college should be promoted for learning to others.

- Setting up of different branch and subject specific IP expert team of student and faculty at every college and zone levels. This team can help all students to find out innovation problems and giving guidance to students for innovative projects.

- **Generate and maintain library of projects carried out in past years at various institutes.**

- **Students should be encouraged to apply for grant of their innovative projects. Some of such organizations are India innovate, gujcost, crowd funding etc.**

- Give information and guidelines to students about research paper and research methodology, and encourage students to publish at least one research paper during their studies at GTU.

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- Students are not getting exact way for prior work search through research papers, patents and internet resources. So steps should be taken to fill this gap.

- The GTU Innovation Clubs should develop a closer relationship with experts and professionals so that students may be able to get guidance from and the experts.

- It is always not possible to bring innovation and better quality projects from every student, but measures should be taken to increase students' interest in experimentation, innovative projects and not necessarily requirement of successful completion of all experiments/projects.

- Develop interest of students in particular field by motivating student to find solution of real life problem, increase practical work rather than long written assignment and make tie-up between college and industries.

- Problem sharing should be done with other students (classmates, friends, club members etc...), followed by collecting the ideas to solve out the problems. Polling and discussions and selecting out the best possible idea.

- Initiation for innovation should be started from the students' side and hence steps should be taken to make process fun learning, to increase the level of interest among students.

- The University should upload the projects on the e-Library to avoid or prevent replica of the project.

- Fellows and Associates can work with GIC to develop strategic steps, which the University may take for avoiding copying and duplication of projects.

- Certificate of appreciation for good activity/work is to be given to all active IP fellows who are contributing very well at college level.

- Developing IT platform dedicated for innovation and IP activity that have contact details of members from all colleges, so to have healthy communication during solving out the problems and implementing anything.

- Regular monitoring of the work or task allotted to IP fellows is to be done. Their progression report should be displayed over the social media (official website) or other forms.

- Mentors may be added once the web-site where the projects are uploaded becomes appropriate for electronic inter-action.

Annexure I - Innovation-IP Club Framework Model

Innovation-IP Club Framework Model

Please give your suggestions for all below sections

Section	S	W	O	T
Interest of student/ Interest Build up				
Role of Innovation-IP Club at all colleges				
Project Selection Criteria's & Fund Support (Small projects during all years of study)				
Prior Work Search (Research Papers & Internet Resources)				
Patent Search & Analysis Report (PSAR) & Patent Drafting Exercise (PDE)				
Role of Fellows in Patent Awareness (Events/Seminars/Quiz/Competition)				

Annexure II List of participants in these workshops (IP Fellow at respective Colleges)

One day capacity building, consultation and orientation session for IPR/Patent Fellow and Associate applicants of GTU Innovation Council on 22nd February, 2014

Sr. No.	Your Name	College Name	College Code
1	Ankit Patel	LDRP-ITR,GANDHINAGAR	30
2	Ankit Patel	Sigma Institute Of Technology	50
3	Ashish Parmar	VGEC	17
4	Jeel Patel	LDRP Institute of Tech. & Research	30
5	Nandan Shah	IIET,dharmaj	101
6	Shastri Chintan Mahendrabhai	L.D. College Of Engineering	28
7	Ankit Shah	ADIT	1
8	Jay Vyas	VGEC	17
9	Nayan Kankadiya	VGEC	17
10	Krunal Dave	VGEC	17
11	Kanthariya Jenish N	LDCE	28
12	Sahani Parixit	LDCE	28
13	Modi Dipal V.	Babariya BIT	5
14	Patel Utpal B.	Babariya BIT	5
15	Chaudhari Rahul J.	LDCE	28
16	Sanjay	BVM	7
17	Gohel Sumeet	LDCE	28
18	Parmar Prakash K.	GEC Bhuj	15
19	Hardik C. Parmar	AIT	2
20	Paras Sachopara	BVM	7
21	Jasmin Gondaliya	VGEC	17
22	Praful Kakani	VGEC	17

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**One day capacity building programme for GIC IPR fellows & students on Basics of IPR, Patent Searching, PSAR & PDE
on 01st March 2014, Saturday**

Sr. No.	Student's Name	College name	College code	Department
1	Ajay Tyagi	Government Engineering College, Rajkot	20	ECE
2	Akash Patel	Government Engineering Collage	16	Electronics & Communication
3	Akash Patel	NSIT-Jetalpur	34	Mechanical
4	Ankit	A.D.I.T	1	CAD/CAM
5	Ankit patel	Ldrp-itr	30	E.C.
6	Ankita Patel	C.U.Shah College of Engg. & Tech.	44	Computer Engineering
7	Arihant Kumar Singh	Pioneer Pharmacy Degree College, Vadodara	235	B. Pharm
8	Ashish Parmar	VGEC	17	Electrical
9	Ashutosh Tripathi	Pioneer Pharmacy Degree College	235	M. Pharm Pharmaceutics
10	Bhuva Rachana	K. J. Institute of Engineering and Technology	64	Electronics and Communication
11	Desai Bhoomika	K. J. Institute of Engineering and Technology	64	Electronics and Communication
12	Dharwa Chaitanya Kirtikumar	Narnarayan Shastri Institute Of Technology	34	Mechanical
13	Gosai Maulik	Narnarayan Shastri Institute of Technology	34	Electronics and Communication
14	Heena Jani	C.U.Shah College of Engg. & TEch.	44	Computer Engineering
15	Himanshu Sharma	Government Engineering College,Rajkot	20	ECE
16	Jaineel Patel	Universal Collage Of Engineering And Technology	46	Computer Engineering
17	Janhavi B. Dave	Hasmukh Goswami College of Engineering	24	Computer
18	Jigar Patel	Narnarayan Shastri Institute of Technology	34	Civil

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Sr. No.	Student's Name	College name	College code	Department
19	Jigesh P Mehta	G H Patel College of Engg. & Technology,V V Nagar	11	Chemical Engineering
20	Kankadiya Nayan	VGEC	17	electrical
21	Kapadi Meetkumar Revabhai	Hansaba College Of Engineering And Technology,Sidhpur	98	Mechanical
22	Krunal Dave	VGEC	17	Electrical
23	Manan Purohit	Universal Collage Of Engineering And Technology	46	Computer Engineering
24	Mansi Patel	LDRP-ITR	30	E.C.
25	Mehul Patel	Vishwakarma Govt Engg College, Chandkheda.	17	Mechanical Engineering
26	Mihir Purohit	Universal Collage Of Engineering And Technology	46	Electronics And Communication
27	Mikhil Koshti	NSIT	34	Electronics And Communication
28	Modi Dipal Vinaykumar	Babaria Institute of Technology	5	Computer Science & Engineering
29	Navdeep Gehlawat	GEC, Rajkot	20	EC
30	Panchal Vaibhav Sanjaykumar	Alpha college of engineering and technology	51	Mechanical
31	paras sachapara	BVM	7	Electronics
32	Parekh Vivek G.	Alpha college of engineering and technology	51	Mechanical
33	Patel Bhaumik Vijaybhai	Narnarayan Shastri Institute of Technology	34	Mechanical
34	Patel Shashin Kanubhai	NSIT,Jetalpur	34	Civil
35	Patel Utpal	Bits	5	Computer Science & Engg
36	Patel Vijay B.	Hansaba College of Engineering & Technology	98	Civil Engineering
37	Raju Prajapati	Vishwakarma Govt Engg College, Chandkheda.	17	Mechanical Engineering
38	Rathod Chaitali	K. J. Institute of Engineering and Technology	64	Electronics and Communication
39	Rathod Nirmal	Gandhinagar Institute of Technology	12	Mechanical engineering

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Sr. No.	Student's Name	College name	College code	Department
40	Rutu patel	LDRP-ITR	30	E.c.
41	Sagar Gajera	FETR	84	Chemical
42	Samir Donga	Grow More Faculty OF Engineering	56	I.T.
43	Sanjay	BVM	7	electronics
44	Shukla Maulik	Gujarat Power Engineering And Research Institute	104	Electrical Engineering Department
45	Siddharaj Chauhan	NSIT-Jetalpur	34	Mechanical
46	Siddharth Agarwal	Gandhinagar Institute of Technology	12	Mechanical
47	sonu jha	FETR	84	Chemical Engineering
48	Suman Upadhyay	G H Patel college of engineering and technology	11	Chemical Engineering
49	Sunil Golani	Grow More Faculty OF Engineering	56	I.T.
50	Suraj Thakkar	Dr. Subhash Technical Campus, Junagadh	83	Mechanical
51	Tapan Soni	Goverment Engineering Collage	16	Electronics & Communication
52	Vaibhav Patel	NSIT, Jetalpur	34	Electrical
53	Valmik Gor	Grow More faculty of engineering	56	Computer Engineering
54	Vikas Rajput	Dr. Subhash technical campus, junagadh	83	Mechanical
55	Vivek Kathiriya	Grow More faculty of engineering	56	Computer Engineering
56	Vivek Modi	Gujarat Power Engineering And Research Institute	104	Civil Engineering Department
69	Ronak Thakkar	GIT	12	Mech
70	Prajapati Akash	SAL	67	EC
71	Bhatt Kalp	SAL	67	CE
72	Chotaliya Mrudali	VPMP	30	CE
73	Patel Shrey	GIT	12	CE
74	Chiraga Soni	SOCET		EC
75	Chirag Senjaliya	GEC Bhuj	15	EC
76	Goyiya	GEC Bhuj	15	EC

Sr. No.	Student's Name	College name	College code	Department
77	Parmar Prakash	GEC Bhuj	15	EC
78	Prayag Shah	Samarth	88	EC
79	Kambhani Mayur	LDCE	28	Chem

Feedback from the participants

- The session was really a good experience for me and I would like to make it at a maximum level to our college by making seminars on it and I am ready to make such an IP club at our college (VGEC). (Krunal Dave, VGEC)
- Discussed much in the meeting. MAIN focus should be implementing them nicely as soon as possible. Once we start implementing them, new ideas will start coming from the team. (Jeel Patel, LDRP – ITR)
- We should meet regularly, communicate and arrange meetings for discussion to implement all these agendas at all colleges. (Ankit Patel, LDRP – ITR)
- It was just an awesome event and I feel lucky that I got the wonderful opportunity of attending this event. And I will surely help other students as professionals 'for and by' some innovative inspirations through this event. All over I am thankful to GIC members to make me part of it for today. Thanks a lot to all. Hats off to this TEAM.
  (Valmik Gor, Computer Engineering - Grow More Faculty of Engineering)
- It was quite informative event and I got to know many things about patents.
  (Mehul Patel, Mechanical Engg.- VGEC)
- The program is going well, but for this innovation council we have to focus not only for final or pre-final year student, but from very first year student should also know about this. So they can get more benefits.
  (Raju Prajapati, Mechanical Engg.- VGEC)
- To getting growth in patent registration and to avoid coping of projects we have to create environment of research in our collages. By means of award, certificate we can only attract students, but to create such environment we have to join them in research activity by heart. So, research environment is very necessary and we have to create it in our colleges.
  (Chirag Senjaliya, E. & C. - GEC, Bhuj)
- The Event was actually valuable. As being a 2nd year student I come to know about Patent and all about it.
  (Ronak Thakkar, Mechanical - Gandhinagar Institute of Technology)

- The event was really encouraging & motivating. I feel proud to be part of this growing revolution for innovation.

  (Maulik Shukla, Electrical - Gujarat Power Eng. & Research Institute)

- It was absolutely amazing and I am saying that it will lead us & all our GTUmates to new higher heights. The approach which GIC thinks to go is indeed a fantastic one. I will give my more than hundred percent commitments to GIC work for the bright future of young generation as well as of ours. My best wishes always with GIC, just keep it up GIC. Very good going.

  (Jigar Patel, Civil - NSIT, Jetalpur)

- Seminar was marvelous as the content or topic of seminar is also superb. I got much knowledge about innovation & IPR in this seminar. I and my team started to do work on how to involve our college students.

  (Samir Donga, Information Technology - Grow More Faculty of Engg.)

- This event is very beautiful. Innovation is necessary to grow up our national economy and IPR is necessary for securing Innovations.

  (Ankit, CAD/CAM Engineering - A.D.Patel Institute of Technology)

Snapshots of both the events

One Day Capacity-Building, Consultation and Orientation Programme for IPR/Patent Fellow and Associate applicants of GTU Innovation Council on 22nd February 2014, Saturday
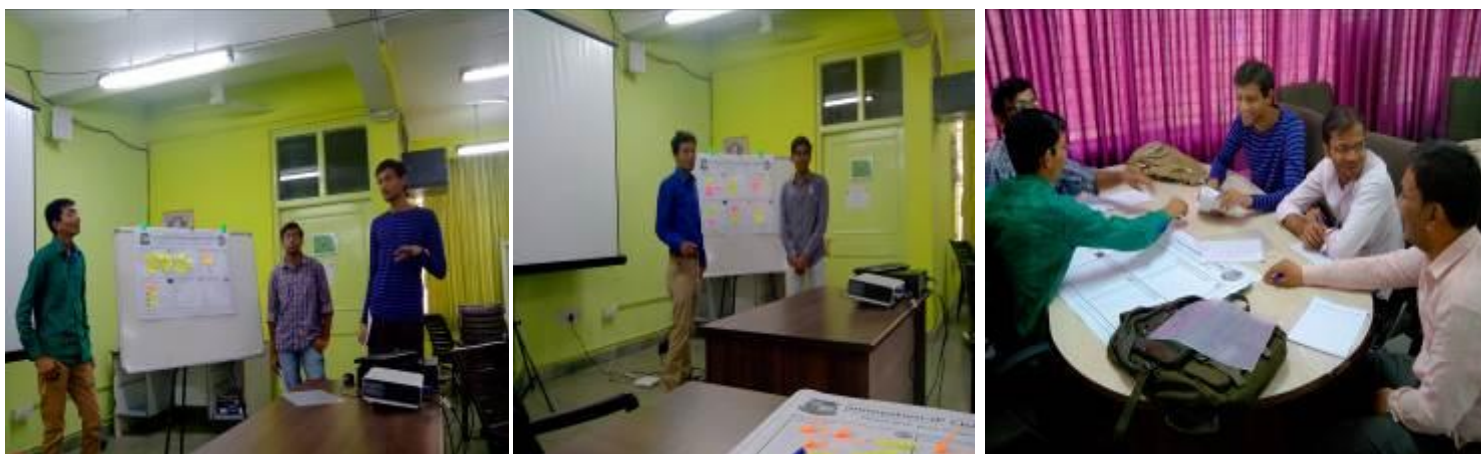
During One day capacity building Programme for GIC IPR fellows & Students on IPR, Patent Searching, PSAR & PDE for IPR/Patent Fellow and Associate applicants & Students of GTU affiliated colleges on 01st March 2014, Saturday

Acknowledgement

GIC is very thankful to following GIC fellows: Ankit Patel (LDRP), Ankit Shah (ADIT), Nayan Patel (VGEC) and Hardik (VGEC) to manage, co-ordinate and organize these events successfully.