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Patent Drafting Exercise by Final Year BE Students

2nd Report regarding seminars organized by Various GTU affiliated colleges for the final year BE students on Patent Drafting Exercise (PDE)

Till now GTU Innovation Council (GIC) has organized two central Faculty Development Programmes (FDP) on Patent Drafting Exercise (PDE). These FDPs were organized at GTU chandkheda campus on 15.02.2014 & 08.03.2014. GIC had also organized two zonal level FDP at Atmiya Institute of Technology & Science - Rajkot on 22.03.2014 and Parul Institute of Technology - Baroda on 29.03.2014. More than 300 faculty from various GTU affiliated colleges were trained during these FDPs about this PDE activity.

After attending these FDPs, organized by GTU, faculty from various institutes had delivered the same session to the final year BE students at their respective colleges. This 2nd report comprises of reports GIC had received from the following colleges:

Dr. Jivraj Mehta Institute of Technology (DJMIT) - Mogar

AMIRAJ COLLEGE ENGINEERING AND TECHNOLOGY - Khoraj, Sanand

LDRP Institute of Technology and Research, Gandhinagar

who have conducted seminars for their students on the topics of Patent Drafting.

The first such compiled report from the following colleges : Veerayatan Group of Institutions – Mandvi, Kutch, Universal College of Engineering and Technology – Kalol and Shroff S.R. Institute of Chemical Technology - Vataria, Ankleshwar is available at http://www.gtu.ac.in/circulars/14March/27032014_052.pdf.

Objectives of college level seminars on Patent Drafting: These seminars and related activities made at different colleges are conducted to make students familiar with primary requirements of patent filing procedure in India like necessary forms to be filled, details need to be added in these forms, associated time limit for various activities, fees to be paid etc.

Dr. Jivraj Mehta Institute of Technology (DJMIT) - Mogar

Workshop Details:

At Dr. Jivraj Mehta Institute of Technology (DJMIT) - Mogar workshop cum seminar on “Patent Drafting Exercise” was organised on **18th Feb, 2014** at DJMIT Ramanujan Seminar Hall. This workshop was based on the workshop organised by GIC at GTU chandkheda campus. Duration of each seminar was around 90 minutes and it covered almost all the details regarding provisional patent drafting. Nearly 200 students had taken part in this session.

This seminar was arranged under the guidance of principal of institute **Dr. Archana Nanoty** and conducted by **Prof. Avdhoot Jejurkar & Prof. Anirudha Singh**, GIC coordinator at DJMIT College. During this seminar students were taught about the basic difference between the provisional and complete patent filling procedures as well as they were taught about the details required during provisional patent filling.

Departmental project coordinators, internal and external project guides for each IDP/UDP were informed about this "Patent Drafting Exercise" seminar and they were also ready to understand its importance and conveyed message to the final year students for the same. A very dynamic response was received from students of all branches in terms of curiosity about patenting. The inquisitive students were keen to know in details for the patent drafting formalities about their final year project. Obviously this step of GIC will encourage the final year students to put more efforts in their IDP/UDP projects.

Following objectives were met during the workshop:

- The number of participants was more than 200 including students and teachers considering combined and individual sessions conducted for five departments.
- Provide the general understanding about “Patent Drafting Exercise”.
- Create the awareness of “Patent Drafting” amongst the student participants of final year of degree course in engineering.
- Encourage the students in keeping innovativeness in their project work.
- This Workshop was organized to spread awareness about how to file an innovative idea as a patent.
- This workshop intended to introduce the basics of patent filing procedures. The procedure for granting patents, requirements placed on the patentee, and the extent of the exclusive rights vary widely between countries according to national laws and international agreements.

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- Students are our future and they must be aware of “Patent Drafting” and must understand how patent provides the right to exclude others from making, using, selling, offering for sale, or importing the patented invention for the term of the patent, which is usually 20 years from the filing date. For this, firstly they need to be aware about the concept, fundamentals related to Intellectual Property Rights.

Planning Ahead:

To promote such an initiative of GIC and to ensure the positive response from students and faculty of various departments from an institute, it has been decided to encourage students of DJMIT to also attend “Patent Clinic” Workshops organised by GIC to protect the innovative projects by patent. They are motivated to reap maximum benefits out of it.

Workshop Photographs:



Participants during the workshop and Interaction and Q&A Session



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Feedback of this PDE movement:

Faculty Feedback:

1. Patent Drafting Exercise initiated by GTU will surely lead to give novel work to our society by our students.
(Prof. Ashish Talati HOD- Civil Department- DJMIT)
2. PDE will drive students for patent filling and encourage them for innovation.
(Prof. Arpit Mehta, HOD- CSE Department - DJMIT)
3. By attending this workshop student will get awareness of how they can file patent, what are the requirements and criterion to file a patent, etc.
(Prof. Neha Acharya, HOD- EC Department – DJMIT)
4. The direction shown by GTU is really beneficial to students and what principles students have to follow for protection of their invention can be found by this seminar.
(Prof. Amit Patel, HOD- Electrical Department- DJMIT)
5. This will be very helpful for faculty and students for their projects and future works.
(Prof. Kevin Joshi, EC- Dept, Project Coordinator- DJMIT)
6. More such workshops should be welcomed to bring about more awareness and innovative ideas. (Prof. Tanvi Chaudary, Mechanical-Dept Project Coordinator- DJMIT)
7. Very nice workshop at right time and more such workshops should be organized during the length of semester to help the student groups.
(Prof. Vipul Rajput, Electrical-Dept, Project Coordinator- DJMIT)
8. This workshop is helpful for both IDP and UDP because everyone needs basic concepts and innovative ideas to carry out their project.
(Prof. Hitesh Vagela, CSE-Dept, Project Coordinator- DJMIT)
9. GIC coordinator delivered very effectively to promote the idea of innovativeness and patent drafting as well. (Prof. Hiren Talati, Civil- Dept, Project Coordinator- DJMIT)

Student Feedbacks:

1. GTU has given us a unique platform for drafting and registering patents for students UDP/IDP. (Rahil Shah, Student, CSE Dept.)
2. This innovative and helpful step by GIC, will take the students to next level in terms of innovation in the students' project. (Kashyap Dalwadi, Student, EC Dept.)
3. This exercise will be a catalyst in drafting patents based on student projects. Will be of great help to all. (Deep Sheth, Student, EE Dept.)
4. Well directed and definitive start from GTU to accelerate the patent drafting process. (Sagar Jani, Student, Mech Dept.)

AMIRAJ COLLEGE OF ENGINEERING AND TECHNOLOGY - Khoraj, Sanand

Amiraj College of Engineering and Technology had organized one day workshop on “Patent Drafting Exercise” at college campus at **26/02/2014**. The workshop was organized for all faculty of Amiraj college. During the workshop all faculty (28 faculty) and principal of institute (Dr. Jayesh Deshkar) was present.

Ms.Kruti Patel, who had participated in GIC organized FDP on PDE had conducted the workshop for all the faculty of Amiraj college. The motive behind this workshop is to make aware all faculty about IPR, Patent, Patent Search & Patent Drafting. So they can teach all these fundamentals to all the student from various branches of engineering in class room or during their lectures.

We got nice feedback from all faculty for giving such useful information about Patent..





LDRP Institute of Technology and Research, Gandhinagar

An Awareness Program on “Patent Drafting Exercise” was held on **11th March, 2014** from 08:00 a.m. to 10:00 a.m. The program was aimed especially for the 8th semester students of all branches. The session was conducted by **Prof. Ashish B. Patel** and **Prof. Nirav B. Suthar** supported by **Prof. Pratik Modi**. *More than 280 students and 8 faculty members* including HODs of CE, IT and EE Departments has attended the program.



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The first session was conducted by Prof. Ashish Patel. He began the session with Patent Search Analysis Report (PSAR) and its achievements which the students had already done in their previous semester. According to him it was an innovative step taken by GTU for the benefit of final year students. More than 35000 final year BE students from GTU affiliated colleges had searched and studied more than 1,50,000 patents. Literacy for IPR/Patents among all students rose to a very significant level by this PSAR activity.

Session conducted by Prof. Ashish Patel. He explained the 3 I principle of invention and innovation. He later expressed the fact that drafting a patent is a scientific art. Then explained what is meaning of innovative product or idea with examples. He made the students aware about rule of “First to File Rule” and “First to Invent” and different types of patents. The importance of Patent Drafting Exercise and its benefits for 8th semester students was also discussed during this session. The IT development and outcome of PDE was also explained.



Next session was conducted by Prof. Nirav Suthar. In the next session, Prof. Nirav Suthar started the session with the overview of drafting and filing of patent in India. He preceded the event with the explanation of criteria of patentability. He had also represented the pros and cons of provisional patent.

During both the sessions participated students have enthusiastically cleared their doubts periodically. Drafting a provisional patent specification was explained thoroughly difference

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with respect to drafting a complete application was explained to participants. Later on, topics like filing on ordinary patent, other types of patent and e-filing procedure in India were also discussed.

At the end of the session the students were enlightened about the GTU Vision-2014 which states that it has a goal to file at least 500 patents from the domain of engineering and pharmacy by the end of the academic year-2014. The session was concluded with examples of Patents on Turmeric and Neem with the message ***“Innovation is a journey from mind to market, Concept to commercialization”***.

