

## Patent Drafting Exercise by Final Year BE Students

### **4<sup>th</sup> Report regarding seminars organized by various GTU affiliated colleges for the Final Year BE students on Patent Drafting Exercise (PDE)**

To implement Patent Drafting Exercise (PDE) effectively, GTU Innovation Council (GIC) had organized six Faculty Development Programs (FDPs). These were conducted at GTU chandkheda's campus on 15.02.2014 & 08.03.2014 and four zonal levels FDP at Atmiya Institute of Technology & Science - Rajkot on 22.03.2014, Parul Institute of Technology - Baroda on 29.03.2014, BVM Engineering College - VV Nagar, Anand on 05.04.2014 and at Sarvajanic College of Engineering and Technology - Surat on 12.04.2013. More than 500 faculty from various GTU affiliated BE colleges participated in these FDPs.

After attending these FDPs organized by GTU, the Faculty Members from various institutes had delivered seminars on PDE for their final year BE students at their respective colleges. This 4<sup>th</sup> report comprises of reports GIC had received from following such colleges:

**Gandhinagar Institute of Technology - Gandhinagar**  
**Shree Swami Atmanand Saraswati Institute of Technology - Surat**  
**Venus International College of Technology - Gandhinagar**  
**Samarth College of Engineering & Technology - Himmatnagar**

These three Colleges have conducted such seminars for their students.

**Objectives of organizing such seminars at college level:** These seminars and related activities are organized to make students familiar with primary requirements of patent filing procedure in India. The students learn about the necessary forms to be filled, the information required to be added in these forms, the associated time limit for various activities, fees to be paid etc.

**GANDHINAGAR INSTITUTE OF TECHNOLOGY - GANDHINAGAR**

GANDHINAGAR INSTITUTE OF TECHNOLOGY has organized workshop on “PATENT DRAFTING EXERCISE” as per following dates for specified departments.

<b>Date</b>	<b>Department and Conducted By</b>
<b>3<sup>rd</sup> &amp; 11<sup>th</sup> March, 2014</b>	<b>Information Technology Department</b> <b>Resource Persons :</b> Prof. Brinda Pandit Prof. Madhuri Chopade Prof. Kiran Patel Prof. Anirudhdha Nayak
<b>10<sup>th</sup> March, 2014</b>	<b>Electronics and Communication Department</b> <b>Resource Persons :</b> Prof.Jatin M. Chakravarti, Prof. Ashish B. Pandya
<b>10<sup>th</sup> March, 2014</b>	<b>Mechanical Department</b> <b>Resource Person :</b> Prof. Ruchir Parikh,
<b>3<sup>rd</sup> March, 2014</b>	<b>Computer Engineering Department</b> <b>Resource Persons :</b> Prof. Archana Singh, Prof. Sejal Bhavsar,
<b>15<sup>th</sup> March, 2014</b>	<b>Civil Department</b> <b>Resource Persons :</b> Prof. Mansi Mehta Prof. Komal Patel

To increase the awareness about patent drafting and patent filing among all the final year students, and to carry out innovative projects by students, GTU Innovation Council (GIC) has launched Patent Drafting Exercise (PDE) for all final year BE students.

The objective of this program was to give Hands-on-training to final year students on “Patent Drafting Exercise (PDE)”, which was organized by GTU under the banner of One Day Faculty Development Program (FDP) on “Patent Drafting Exercise (PDE)”. More Than 400 students were trained for Patent Drafting Exercise (PDE) at institute by conducting same kind of seminars at department level.

Initially the students were informed about the importance of drafting and filing of patents and how it can help in securing their innovative ideas. Students learnt about different aspects of provisional and complete patent drafting activities.

A good discussion was carried out on following topics during workshop: drafting of provisional & complete specification, filing of ordinary patent application, and filing of other forms of patent application, E-filing procedure in India, How to generate a report on Patent Drafting Exercise. Several questions were raised by both faculty and students regarding the PDE activity, and their doubts were cleared regarding the same. Finally all the material/documents given by GTU were shared with students and faculty members for successful completion of the PDE activity.

**Photos of the workshop:**

**Workshop Conducted for CE & IT Students & Faculty Members**





**Workshop Conducted for EC, Civil and ME Students & Faculty Members**



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## **Feedback from Students:-**

- The presentation was very informative as we came to know about how to register our patent.  
(Niraj Joshi, 8<sup>th</sup> sem. IT)
- This presentation has motivated us to think in the direction of registering our idea as we came to know about the benefits of registering an idea.  
(Bhagya Rishi, 8<sup>th</sup> Sem. IT)
- The examples cited were very informative as we came to know about the various institutions working in this field  
(Zankar Patel, 8<sup>th</sup> Sem. IT)
- The PDE workshop was indeed helpful and gave us the knowledge on how to file a patent and secure innovative ideas and projects. I hope in the future too, such beneficial seminars will be conducted.  
(Ashlesha Pandya, 8<sup>th</sup> Sem. EC)
- The PDE workshop was informative, qualitative and we gained knowledge from it. Basic information regarding patent drafting and filing was explained very well.  
(Supath Gupta, 8<sup>th</sup> Sem. EC)
- The presentation on patent drafting was precise and concise, yet it provided us with in depth knowledge of patent filing procedure. The explanation was good and easy to understand.  
(Priyanka Patel, 8<sup>th</sup> Sem. EC)
- The case study at the end of the presentation helped us to understand the patent filing activity in a better way. The workshop really helped us to clear our doubts, misconceptions regarding patent filing.  
(Shekhar Gehlot, 8<sup>th</sup> Sem. EC)
- The presentation was very informative to understand patent drafting exercise.  
(Priya John, 8<sup>th</sup> Sem. CE)
- We came to know how much important is patent drafting and registration  
(Bhumika Rajani, 8<sup>th</sup> Sem. CE)

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- We got in depth knowledge of various topics included in the presentation, were the importance of patent filing, patent filing procedure and what we have to do in current semester is explained in fantastic manner.  
(Nair Sooraj, 8<sup>th</sup> Sem. ME)
- The seminar conducted by faculty member was very useful for the procedure of patent filing. Each and every topics, form filing procedure was explained well.  
(Pandya Jay, 8<sup>th</sup> Sem. ME)
- The presentation given by faculty covered whole aspect of the patent filing application. We got full knowledge about each and every minor details.  
(Shah Akshay, 8<sup>th</sup> Sem. ME)
- The seminar was nice and got to learn many things about the importance of patent and how to fill a patent. Every thing was explained nicely.  
(Valera Rushit, 8<sup>th</sup> Sem. ME)
- The Patent drafting workshop was highly informative and indeed helpful in securing innovative ideas.  
(Mrugen Bhatt, 8<sup>th</sup> Sem. Civil)
- The PDE was very useful in gaining the information and knowledge regarding the patent drafting. It will help us a lot in future.  
(Hardik Nagar, 8<sup>th</sup> Sem. Civil)
- We are really thankful to GTU for organizing such a useful activity and seminar through which we understood importance and usefulness of drafting patent.  
(Sunny Patel, 8<sup>th</sup> Sem. Civil)
- Content and explanation in presentation was good and very well presented by faculty member.  
(Bhautik Shah, 8<sup>th</sup> Sem. Civil)

## Faculty Feedback:

The workshop on PDE activity was very helpful in generating awareness about patent drafting and filing among students and faculties. It will motivate the students for filing patents in the future. It is nice to see that GTU is organizing such wonderful activities and looking far beyond other universities.

Gunjan Jani (Asst. Professor)



**Shree Swami Atmanand Saraswati Institute of Technology - Surat**

In Shree Swami Atmanand Saraswati Institute of Technology - Surat on **4th April 2014**, “Patent Drafting Exercise (PDE)” seminar has been conducted by **Prof. Manish C Bhatt** (Asst.Prof. Mechanical Engineering Dept., SSASIT, Surat).

Total **370 number of final year students** from Mechanical, Civil, E&CC and Computer department. Nearly **20 numbers of project guides** have also participated in this session. The following topics were covered in presentation during this session:

- 1) Introduction of Patent
- 2) Criteria of Patentability
- 3) Drafting of Provisional Patent
- 4) Types of Patent
- 5) E Filing Procedure in India
- 6) Provisional Patent Filing Procedure
- 7) Patent Filing Forms
- 8) Steps & Fees

**Photographs of the event:**



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## Feedbacks from faculty members:

- It is going to be very useful to the students of final year for preparing project report as per GTU guidelines.  
(Prof. V. M. Goti (HOD Mech.))
- It is proved to be beneficial to the final year students as well as project guide  
(Prof. Kavita . N.Chokshi (HOD Civil))
- The seminar will be very useful to students as well as faculty member. It was good.  
(Prof. L.S. Patel (GTU Coordinator))



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- This seminar is very much useful for getting so much knowledge about patent drafting.  
(Prof. H.V.Rakholiya(HOD E&CC))
- It was really informative seminar. The details covered were as required and flow maintained was also good.  
(Prof.Akhilesh Ladha (Asst.Prof.))
- The Programme and contents concerned to project have been covered in good manner and well presented.  
(Prof. Sejal .K.Bhatt (Asst.Prof. Civil))

### **Feedback from students:**

- I have attended the seminar on patent drafting and it was very interesting seminar. I learned about how to file the patent & what is the cost for filing the patent.  
(Rana Hitesh C.)
- I have attended the seminar related to patent drafting which is part of our project from that seminar I learn what is the format of patent and which information require to file the patent.  
(Patel Ronak R)
- Before this seminar, I have no idea about patent submission means how to apply for patent & what is detailed procedure. In this seminar Prof.M.C.Bhatt sir had explained in brief about patent drafting.  
(Rajpara Vivek)
- I have no ideas about patent drafting to much extent, but after attending this seminar I really got to know something which will be very beneficial to me.  
(Patel Chintan)

**Venus International College of Technology - Gandhinagar**

GTU aims to train all students about patent filing procedure in India. Where in every students have to assume that his project is innovative and patentable. At Venus International College of Technology, they have conducted the Patent Drafting Awareness Programme for all the faculty members of all the departments. Where in more than **90 faculty members** participated. **Mr. Bhargav Makodia** had sent report for the same to GIC.

**Main Objectives**

- To provide an Overview of Patent Drafting Exercise (PDE)
- To provide an overview of online portal to be created for submitting PDE report
- Case study based discussion about how to draft Provisional Patent Application

Certain queries such as “Who can draft a patent?” What are the terms and conditions for registering a patent?” were solved by the PDE coordinators. Importance of patents and various types of patents were discussed. Provisional Patent Application was point of focus in workshop as it was to be taught to the BE final year students as part of their project submission. Various forms to be filled by the students and the procedure to be followed by them were put across in the workshop. Subsequent conversation included the explanation regarding each and every fields defined in Form1, Form2 and Form3 for patent filing.

Google forms similar to these patent forms were designed by the coordinators. In a practice session, form filling procedure was discussed with an example via generated google forms.

The same session was conducted by the project coordinators for faculty members as well as for the BE final year students. Faculty awareness session was conducted by **Prof. Ruchita Joshi** (CE Dept.) & **Prof. Bhargav makodia** (EC Dept.). They were supposed to do the practice on provided Google forms. Students took keen interest in the workshop. Some of the students have registered provisional patents for their project. Question-Answer session was conducted at the end of this workshop in which students got satisfactory answers for their queries related to PDE.

**Photos of the workshop:**



**Samarth College of Engineering & Technology – Himmatnagar**

Samarth College of Engineering & Technology, Himmatnagar had organized a seminar on “Patent Drafting Exercise” for final year students at Samarth College of Engineering & Technology, Himmatnagar on **28th March, 2014**. This Seminar is conducted by **Prof. Nishidh Patel** and **Prof. Minesh Chaudhari** in four sessions. Total **76 students** and **7 faculty members** participated in this seminar.

In first session Prof. Nishidh Patel had delivered a seminar on “**Basic and importance of Patent drafting Exercise**”. In this session overview of provisional patent filling procedure, patent Filing forms, objective of patent filing, criteria’s for patentability, patent filing procedure in India and pro forma of form 1,2 & 3 were discussed.

In second session Prof. Nishidh Patel had continue seminar on “**Patent Drafting Exercise**”. During this session he had shared knowledge regarding criteria of patentability, principle of 3i, pre-filing requirement of provisional patent application, types of patent application, drafting of provisional specification, filing of provisional application, drafting of complete application, filing of ordinary application, fees for various application and E- Filing procedure in India

In third session Prof. Minesh Chaudhari had continued seminar on topic of “**How to generate report on Patent Drafting Exercise**”. He had explained the Form 1, 2 and 3 for patent application and details to be feed in to them.

In Fourth session Prof. Nishidh Patel shared the information regarding drafting of provisional specification like title and field of invention, objective and brief description of invention with case study.

After the seminar, they have conduct questions and answers session to clear students doubts regarding PDE.

Students were actively participated and they have learnt lots of thing about patent filing and Drafting Procedure through this seminar organized by faculty.

**Feedbacks about the seminar from faculties and Students:**

After attending the seminar, we came to know about the patents and how to apply for the patents related to your field of interest. It is very useful for students to know about the patents drafting



procedure and its pros and cons. So for project point of view they can do something new innovation after learning the patents filing procedure.

**Photos of the workshop:**



## **Previous Reports**

Previous reports published about the initiatives taken by various colleges by arranging seminars to their students are available here:

1. First such compiled report from 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](http://www.gtu.ac.in/circulars/14March/27032014_052.pdf)
2. Second such compiled report from following colleges: Dr. Jivraj Mehta Institute of Technology (DJMIT) – Mogar, Amiraj College Engineering and Technology - Khoraj, Sanand and LDRP Institute of Technology and Research, Gandhinagar is available at:  
<http://www.gtu.ac.in/circulars/14Apr/10042014.pdf>
3. Third such compiled report from following colleges: Grow More Faculty of Engineering (GMFE), Himmatnagar, Faculty of Engineering Technology and Research - Bardoli and Valia Institute of Technology – Valia, Bharuch is available at:  
[http://www.gtu.ac.in/circulars/14Apr/23042014\\_03.pdf](http://www.gtu.ac.in/circulars/14Apr/23042014_03.pdf)