

Patent Drafting Exercise by Final Year BE Students

9th Report regarding seminars organized by Various GTU affiliated colleges for the final year BE students on Patent Drafting Exercise (PDE)

To implement PDE effectively, GTU Innovation Council (GIC) had organized six FDPs. GIC had 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 four zonal level FDPs 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 were trained during these FDPs about this PDE activity.

After attending these FDPs organized by GTU, faculty members from various institutes had delivered seminars on PDEs for their final year BE students at their respective colleges. This 9th report comprises of reports GIC had received from the following colleges:

Takshashila College of Engineering & Technology - Rajkot
V.V.P. Engineering College – Rajkot
Tatva Institute of Technological Studies – Modasa
Smt. S.R.Patel Engineering College - Dabhi, Unjha
Vadodara Institute of Engineering - Kotambi
Atmiya Institute of Technology & Science – Rajkot
Birla Vishvakarma Mahavidyalaya - VV Nagar, Anand

These Colleges have conducted seminars on the topic of Patent Drafting for their students.

The Objectives of the seminars on PDE at Colleges: These seminars and related activities are organized to make students familiar with the requirements for preparing the applications for preliminary stage of filing the patents and to learn about the procedures for filing patents 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.

Takshashila College of Engineering & Technology - Rajkot

At Takshashila College of Engineering & Technology – Rajkot a seminar on Patent Drafting Exercise was organized on following dates:

Date	Conducted By
20th March, 2014	Information Technology Department Resource Persons: Prof. Ashish R. Desai Prof. Mohit H. Bhesaniya
27th March, 2014	Electronics and Communication Department Resource Persons: Prof. Parva D. Joshi Prof. Pratik R. Patel
2nd April, 2014	Mechanical Department Resource Persons: Prof. Gunjan H. Desai Prof. Harshad J. Rathod
9th April, 2014	Computer Engineering Department Resource Persons: Prof. Ashish R. Desai Prof. Parth Shah

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

At our college sessions, **Prof. Gunjan H. Desai** and **Prof. Vandip J. Patel** had shared all the ideas about PDE with the faculty who were going to present these seminars in front of all the students for their respective departments. Secondly, all seminars were started with the opinions about the students for getting knowledge about patent search and drafting. All students were really happy to gain this knowledge regarding “PATENT FILING”. The seminars were very interactive as students were excited to gain knowledge regarding the same. The seminars were started with objectives of Patent Drafting.

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A very nice discussion was there on 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. As they all knew about Patent Searching & Analysis, they wanted to know about drafting very eagerly. Several questions were raised by both faculty and students regarding the PDE activity, and doubts were cleared regarding the same by the entire faculty team. Finally all the material/documents given by GTU Innovation Council (GIC) were shared with students and faculty members for successful completion of the PDE activity

Photos:



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Feedback from Students:-

- The seminar was very much informative and I have learnt a lot about this.
- Siddharth Pandya, 8th sem. E.C.
- The presentation was very much useful for us and has gone through all details as I was very much excited for learning.
- Shweta Gajera, 8th Sem. E.C.
- Prof. Gunjan Desai has given us very high level of knowledge. I am totally motivated through this seminar now.
- Chintan Siroya, 8th Sem. Mech.
- I had gone through all details regarding Patent drafting through this seminar and also gained very informative stuffs. Thanks to GTU and our professors.
- Bhavin Talaviya, 8th Sem. E.C.
- The presentation on patent drafting was very nice and was easy to understand. I am going to file one patent in future for sure.
- Abhijeet Ambaliya, 8th Sem. E.C.
- 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.
- Ankur Vadher, 8th Sem. C.E.
- Prof. Gunjan has provided documents on which full on information was given. It was really very easy to understand.
- Jay Bhatt, 8th Sem. Mech.
- 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 briefed.
- Sudhir Barvadiya, 8th Sem. C.E.

Faculty Feedback:

The workshop on PDE was very interactive. Even I, as a faculty have learnt a lot about Patent Drafting Exercise. All students were very happy to learn these matters along with all fundamental things which were shared by Prof. Gunjan H. Desai & Prof. Vandip J. Patel. We are very much thankful to both of them. As on date we never attended this kind of seminar which was very worth for life and again we have motivated through this for doing some innovations through this seminar.

- Bharat V. Basiya (Asst. Professor).

V.V.P. Engineering College – Rajkot

The seminar on “Patent Drafting Exercise” was arranged under the guidance of Honorable Chairman SHRI PRAVINKAKA, Principal of institute **Dr. Sachin Parikh** and Head of the IT Department **Dr Avani Vasant**.

IT Department of V.V.P. Engineering College had organized seminar on Patent Drafting Exercise on **17th April 2014**. Assistant Professor **Ms. Vishakha B. Sanghavi** had conducted this seminar for all the students of 8th semester IT Department.

The following topics were covered in this workshop: Basics of Patent & Objective of Patenting, Drafting of Provisional Specification, Fees for Provisional Application, Patent Filing procedure in India (Forms No, Title, Purpose, fees and if any time limit), Performa of Form 1, 2 & 3 explanations for each item under all forms, How to do e-filing?, How to generate report of Patent Drafting Exercise, Form 1: Application for Patent, Form 2: Provisional/Complete Specification, Form 3: Statement and Undertaking, Rules for Drawings and Case Study of Patent (Computer Related Invention).

After attending this seminar students get perfect idea for procedure to draft and file provisional patent. All the students have also brief information about how to work in PDE. All students had participated actively in this program.

For further action plan, V.V.P. Engineering College will organize this type of seminar on Patent Search and Analysis Report (PSAR) and Patent Drafting Exercise (PDE) for students who will be in 6th semester, so that they can get better idea about patents and get motivated for their IDP/UDP.

Feedback:

- Well guided and well directed to the patent drafting process by GTU. It will be great help to the students and will enlighten them to file their innovation as patent.

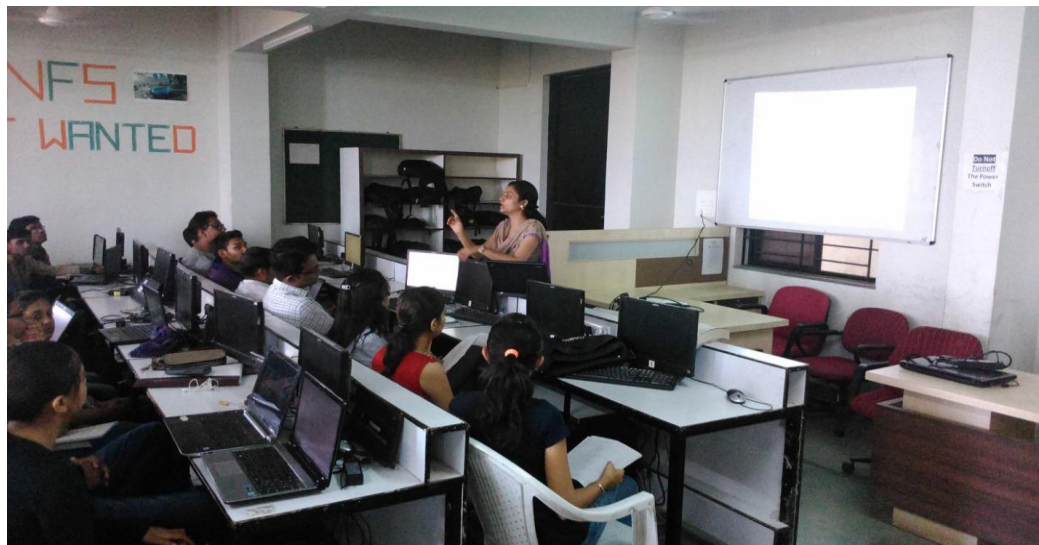
(Tilala Mansi, Student, IT Dept.)

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- A proper conceptualized explanation to draft a patent for the students. It will surely bring out the security to some great inventions of students by filing patent.
(Shah Dharmil, Student, IT Dept.)

Photos:



Tatva Institute of Technological Studies - Modasa

With reference to instructions from GTU, Tatva Institute of Technological Studies, Modasa has organized an awareness program for “Patent Drafting Exercise” at Seminar Hall of Tatva Institute on Thursday, **24th April, 2014**. During the program, total **266 Students** of B.E. – Electronics & Communication, Information Technology, Electrical, Civil and Mechanical Engineering along with **34 faculty members** took active participation. In initial Session, **Prof. Sachin Bhalavat** delivered a basic talk on “Patent Drafting Exercise”.

After initial Session, **Prof. Vijay Parmar** continues talk about brief on PDE and how to Drafting Provisional Patent Filing in India.

Form 1 was discussed by the **Prof. Sandip Prajapati**,

Form 2 was discussed by **Prof. Yunus Zaz** and

Form 3 was discussed by the **Prof. Mayank Madia**

We have successfully done this seminar and at the end of these, Q & A session was arranged and students were share their query & views regarding to Patent Drafting Exercise.

Photos:



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Photos:



Smt. S.R.Patel Engineering College - Dabhi, Unjha

At Smt. S.R.Patel Engineering College - Dabhi, Unjha a seminar on Patent Drafting Exercise was arranged on **14th April 2014** for the 8th semester students in all the disciplines i.e. Computer Eng., Mechanical Eng., Civil Eng., and Electronic & Communication Eng. In this seminar our Faculty members had thrown lights on the following topics: Overview & Importance Of Patent Search, Need of Patent Search, Basics of Patent Search, Use of Patent Search, Types of Patent Search, Fields of Indian Patents, Introduction To Patent Drafting, Indian Government Policy For Patent Drafting, Form Filling For Patent Drafting and Form-1, Form-2 and Form-3 Filling.

This seminar was conducted by: **Harshad C Patel** (Mech), **Adesh Panchal** (CE), **Amar Salariya** (CIVIL) and **Sachin Patel** (EC).

Photos:



Vadodara Institute of Engineering - Kotambi

Computer Engineering and Information Technology Department

Vadodara Institute of Engineering had planned a whole week seminar series for CE and IT students. So that students of final year and upcoming final year students can be trained about filling of Patent. First Session was regarding brief understanding of the word Patent and how patent can be filled.

In second session we discussed about the Form 1, 2 & 3 of patent filling. Participating Students and faculty were instructed to do an exercise by filling up patent form so that their doubts regarding patent form can be solved.

College faculty has showed their gratitude to GTU as well as college management and head of institute for providing a platform for knowledge bound discussion.

SR NO	Date	Dept.	No of Students	No of Faculties	Presenter Name
1	15/4/2014	CE/IT	30	4	Prof. Neha Dalwadi
2	16/4/2014	CE/IT	28	4	Prof. Bela Shah
3	17/4/2014	CE/IT	25	5	Prof. Darshan Patel
4	21/4/2014	CE/IT	35	6	Prof. Priyanka Patel
Total			118	19	

Feedback about the seminar:

- “It was a nice experience for getting information about the basic of patent filling and the importance of the patent.”
-Harsh J. Patel (Student, IT Dept.)
- “It was great learning about patent its importance and how we can fill it by ourselves.”
- Yatish Gohel (Student, Computer Dept.)
- “It was nice experience for learning PSAR and patent Drafting, Its importance and now and I can fill it by myself.”
-Trushna Patel(Student, Computer Dept.)
- “It was nice experience for learning about patent and how to register patent as well as how to get claims on our patent and what is the importance of patent.”
-Parth Kanani(Student, Computer Dept.)

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- “It gives us depth idea about patent filling and helps us to motivate students about filling patent.”
-Kamal Macwan (Asst. Proff. ,CE Dept.)
- “It is a good initiative of GTU to train faculties about patent and those mass of trained faculty guiding students. The seminar was a good teaching learning exercise and educated faculty as well as students about Patent Filling.”

-Prof. Khyati Shah (I/C Head of Department, CE/IT)



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Mechanical Engineering Department

A session for PDE was planned on **03rd May 2014** (Saturday). Workshop was held for all Pre final year students. Total **64 students** participated in the seminar. The seminar was attended by our all faculty members and other staff members of the institute.

In this seminar vision of GTU was explained to all the participant faculty members and students. At the college first batch of BE seventh semester will be started after this summer vacation. College will be giving the exercise of PSAR to the seventh semester students. Our first batch of BE eighth semester will be started in the end of 2014. So PDE awareness program for students will be taken up afterwards.

In 1st session **Prof. Visvas B. Rajyaguru** Faculty of Mechanical Engineering Department had given Overview of Drafting & Filing of Patent in India. He also includes in his speech criteria of patentability and rules for patent filling. In second session **Prof. Hardik R. Tandel**, Faculty of Mechanical Engineering Department gives idea of filling of ordinary patent application and filling of other types of patent application. At last session **Prof. Punit B. Vyas**, Faculty of Mechanical Engineering Department gives detail about Filling of Form1, Form 2 & Form 3 (Basic patent filing forms).

Outline of the workshop is as below:

Discussion about the patent seminar with faculties and students, Demo of the patent case study, Exercises of patent filling with faculty and students (Hard copy and Softcopy), Feedback from faculties and students.





After completing the workshop overall review has been taken from students and faculty. It's is found to be important for students to make them aware about patent and how to submit the patent in various areas for innovative projects.

Feedback of Faculty:-

- That was outstanding workshop and good awareness program for the student as well as for faculty members too. (Prof. Amit Raj Sahgal, Mechanical Engg. Department)
- Workshop is very informative regarding patent drafting. (Prof. Chandresh Rana, Mechanical Engg. Department)
- By organizing this workshop now students and faculty can say or guide students what to do in 8th semester PDE exercise and how to file the provisional patent if they find their project innovative. (Prof. Jaimin Patel, Mechanical Engg. Department)

Feedback of Students:-

- This seminar is very important for us. So, I am very thankful to GTU Innovative Council for such types of efforts. (Joshi Jay U., 6th Semester, Mechanical Student)
- Seminar was very informative and helpful for new innovation inspiration and registration of patent. (Tarak Doshi, 6th Semester, Mechanical Student)
- Seminar gives us information about, how to fill up the information and case study regarding patent drafting was useful for final year projects. (Darji Bhavik, 6th Semester, Mechanical Student)

Atmiya Institute of Technology & Science - Rajkot

Atmiya Institute of Technology & Science, Rajkot appreciate the continuous efforts taken by team GTU innovation Council for guiding students as well as faculty members about the minute details of very important concept of patent filing procedure in India as well as abroad. Because of the continuous guidance by team GTU innovation Council and motivation and inspiration by P.P. Tyagvallabh Swamiji, faculty and students of the institute has already filed 13 patent applications.

With reference to the circular of GTU, Atmiya Institute of Technology & Science, Rajkot has organized a workshop on “Patent Drafting Exercise” for the final year students of Atmiya Institute of Technology And Science on **24th April, 2014**. The workshop is taken by **Dr. Ashish M. Kothari**, Assistant Professor in Department of Electronics & Communication Engineering. Students are to assume that their work is patentable and hence every group of students doing project together has to prepare the provisional patent documents i.e Form 1, Form 2, Form 3 along with drawings.

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

Photos:





Feedbacks from students:

- Very good initiative by GTU, to make students familiar about IPR. We came to know about the entire patent filling process in detail. The process looked very lengthy and was difficult to understand initially, but the material that GTU had provided given a complete idea.
- Thanks to GTU and Team AITS to give such a wonderful session on PDE. Now we will help juniors for the patent drafting.

Birla Vishvakarma Mahavidyalaya – VV Nagar

Birla Vishvakarma Mahavidyalaya(Engineering College), Vallabh Vidyanagar, GTU Innovation Sankul, Vallabh Vidyanagar Zone-II, Gujarat Technological University has organized One Day Faculty Development Programme(FDP) on “Patent Drafting Exercise”(PDE) for Engineering Faculties of GTU on Saturday, **5th April, 2014** at BVM Auditorium, Vallabh Vidyanagar.

The above programme was arranged under the Co-Chairmanship of Dr. F.S.Umrigar, Principal, BVM Engineering College and Prof. J.N.Jain, Convener, GTU Innovation Sankul Vallabh Vidyanagar Zone-II.

The objectives of the above programme were;

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

Dr. Manish A Rachchh, Registered Patent Agent & Associate Professor, GTU, Ahmedabad had given an overview of Drafting and filing of Provisional Patent Application.

Mr. Amit Patel, Project Officer (IPR/Patent) – GTU, Ahmedabad had given an Overview for how to Generate Report of Patent Drafting Exercise (PDE).

Case Study of Drafting Provisional Patent Application was discussed by **Mrs. Shah**, Registered Patent Agent from M/s. H.K. Acharya & Co., Ahmedabad.

Then panel discussion was also arranged.Overall it was quite informative and useful for learning how to draft provisional patent.

The information was also transferred to students who are involved in the project work within the institute and in industrial area.

Total 82 faculties and 8 students have attended the programme.

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Photos:



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
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
4. Fourth such compiled report from following colleges: Gandhinagar Institute of Technology – Gandhinagar, Shree Swami Atmanand Saraswati Institute of Technology – Surat, Venus International College of Technology – Gandhinagar and Samarth College of Engineering & Technology – Himmatnagar is available at: http://www.gtu.ac.in/circulars/14May/03052014_04.pdf
5. Fifth such compiled report from following colleges: Sabar Institute of Technology for Girls – Tajpur, Narnarayan Shastri Institute of Technology – Jetalpur and Dr. Shubhash Technical Campus – Junagadh is available at: <http://www.gtu.ac.in/circulars/14May/15052014.pdf>
6. Sixth such compiled report from following colleges: Babaria Institute of Technology – Baroda, Ahmedabad Institute of Technology – Ahmedabad, Kankeshwaridevi Institute of Technology – Jamnagar, Alpha College of Engineering and Technology (ACET)-Gandhinagar, Bhagwan Mahavir College of Engineering and Technology-Surat and C.K.Pithawalla College of Engineering & Technology- Surat is available at: http://www.gtu.ac.in/circulars/14May/19052014_01.pdf
7. Seventh such compiled report from following colleges: Hasmukh Goswami College of Engineering – Vahelal, GH Patel College of Engineering and Technology – VVNagar, Government Engineering College, Gandhinagar, Government Engineering College - Godhara, Hansaba College of Engineering and Technology – Sidhpur, Indus Institute of Technology & Engineering – Ahmedabad, Kalol Institute of Technology and Research Centre – Kalol and K. J. Institute of Engineering & Technology – Savli is available at:
8. Eighth such compiled report from following colleges: Shri Labhubhai Trivedi Institute of Engineering & Technology – Rajkot, Laxmi Institute of Technology – Sarigam, Merchant Engineering College – Basana, Madhuben & Bhanubhai Patel Women's Institute of Engineering – VV Nagar, Om Engineering College – Junagadh, Parul Institute of Technology – Baroda, Silver Oak College of Engineering & Technology – Ahmedabad, S.P.B.Patel Engineering College Linch – Mehsana is available at: