

Patent Search Methodology and Analysis by Final Year Engg Students

6th report regarding seminars organized by various GTU affiliated colleges for the final year BE students to increase awareness about IPR/Patents and to guide them on how to generate Patent Search & Analysis Report (PSAR)

C. U. Shah College of Engineering & Technology–Wadhawan City, Darshan Institute of Engineering & Technology–Rajkot, Faculty of Engineering Technology and Research – Isroli, Bardoli

To increase the awareness about IPR/Patents among all students of technical branches, and to carry out innovative projects by all students each year, GTU Innovation Council (GIC) has launched Patent Search & Analysis Report (PSAR) activity through online project tracking system for all final year BE students. In this PSAR activity each student has to student five different patents either related to project work or related to his/her area of interest. After studying each patent students have to answer very basic questions about each patent to GTU's online project tracking website at: <http://projects.gtu.ac.in/patentSearch.jsp> . The first report was published about seminars conducted by LJiet-Ahmedabad, SRPEC-Unjha and SNPIT & R C-UMRAKH, (http://www.gtu.ac.in/circulars/13June/Report_11thSept_PSAR.pdf). The second, the third, the fourth and the fifth reports were published about seminars conducted by: GEC-Modasa, UCET-Gandhinagar, AIT-Ahmedabad, NSIT–Jetalpur (http://gtu.ac.in/circulars/13Sept/17092013_01.pdf), about seminars conducted at GCET-VV Nagar-Anand, KITRC-Kalol, SVBIT–Gandhinagar (http://gtu.ac.in/circulars/13Sept/3rd%20Report_PSAR_23rd%20Sept%202013.pdf) , about seminars conducted by GEC-Dahod, TITS-Modasa, BMCET-Surat (http://www.gtu.ac.in/circulars/13Sept/4th%20Report_PSAR_25th%20Sept%202013.pdf) and about seminars conducted by K. J. Institute of Engg. and Technology - Savli, Vadodara, Sabar Institute of Technology for Girls – Tajpur and Parul Institute of Engineering and Technology-Baroda (http://www.gtu.ac.in/circulars/13Sept/5th%20Report_PSAR_26th%20Sept%202013.pdf). This sixth report comprises information about seminars conducted to guide students about PSAR generation by the following pioneer institutions: C.U.Shah College of Engineering & Technology–Wadhawan City, Darshan Institute of Engineering & Technology–Rajkot, Faculty of Engineering Technology and Research - Isroli, Bardoli. The Faculty members from these Colleges had participated in the workshop organized by GTU at L.D. College of Engg., Ahmedabad.

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C.U.Shah College of Engineering & Technology - Wadhawan City

Prof.A.B.Solanki, Prof.B.B.Mehta, Prof.V.K.Jadeja and Prof.A.B.Solanki from C.U.Shah College of Engg. & Technology - Wadhawan City had organized three seminars on 12th, 18th and 19th September 2013 to train around 320 students from various branches, on the topic of Patent Search & Analysis Report (PSAR) activity through online project tracking system.



Seminar was arranged by Prof. A.B.Solanki, Prof.B.B.Mehta and Prof.V.K.Jadeja has given lectures on basics of Patents, Its requirements & benefits for promotion of R&D activities. The response from faculty member and students was very good & appreciated PSAR activity, initiated by GTU Innovation Council (GIC). Some of the faculties also mentioned that, these kinds of activities will help the students to improve their knowledge & make them updated about new technologies in the world.



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Feedbacks by students & faculty members:

1. GIC has taken good initiative in the direction towards the PSAR for the students which is really very useful to them to know how to search a patent in the relevant fields. Not only for the students but it is also useful for the faculty members to update in the current scenario in the respective fields.

(Dr.K.H.Wandra,Principal-CCET)

2.By attending this workshop and doing work in this direction, students will be able to share and grow up their mind. Students will be able to learn the current scenario regarding to their topic of IDP/UDP.

(Prof. Nimit Shah, H.O.D.EEE Dept.,& Udisha Club Incharge- CCET)

3. We have attended the workshop regarding patent search organized by GTU, and we have conducted the seminar on same topic for students at our college. This seminar will be very informative to students and makes them aware about current research trends. Students will be directed to new horizons of technologies.

(Prof. A.B.Solanki, Asstt. Prof.,Mech Dept, CCET)

4. I appreciate this year, GTU has organized more innovative program related to engineering field. I didn't know much about patents analysis before this activity. And our college committee also did well to make students understand about this activity.

(Bagirathsinh Parmar, Student-CCET)

5. Patent search process is helpful for all students, It makes us aware with the new technologies related to our project and we will get the idea on how to progress towards innovative project work.

(Vivek Soni,Student-CCET)

6. First of all we are thanking to the experts who explained us on what actually patent is and how we can go for patenting. Afterwards college has planned PSAR generation activity, by asking all students to bring at least 20 Patents per student related to his/her project. After that Internal Guides will guide and shortlist most relevant 5 patents per student related to project. After completion of successful workshop in our college, students will be aware of what actually patent is. They learnt now about ways for searching patents. Now they will know about some previous patents related to their projects too. Overall students might know far more than the syllabus.

(Faculty participants who has attended FDP on PSAR generation organized by GTU)

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Darshan Institute of Engineering & Technology - Rajkot

Kishan K. Govani (Asst. Professor - E.C. Department) and Bhavesh A. Dave (Asst. Professor - E.E. Department) of Darshan Institute of Engineering & Technology, Rajkot had organized workshop on PSAR generation for faculties and students of ME and all final year BE on 10th September 2013, Tuesday at Seminar Hall E.C. Department. As a part of workshop online practice session in computer laboratory was also arranged. About 250 Students & faculties have participated in this workshop.

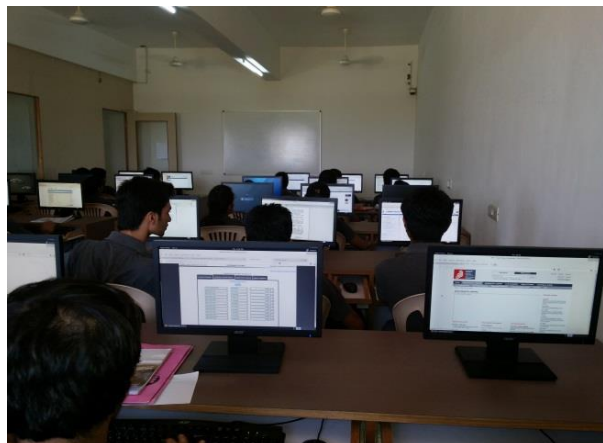


Topics covered in seminar were as follows: Introduction to Intellectual Property Rights (IPR), What is patent its details and role of patent in different areas like research, innovation, industries and personal business, How to search patents related to project definition from different database available online, PSAR Report making procedure on GTU online tracking portal., Students were also Informed to refer "Video lecture about PSAR generation" by GTU. We got nice response of seminar by students and faculties. All attendee appreciate GTU's objective on PSAR and related activities.

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Future work on PSAR will be carried out by regular evaluation of students work. For better patent search, problem solving and deep understanding continues motivation and guidelines will be given to students on patents and related to PSAR generation. If need will persist more workshop, laboratory practice session will also be arranged in future.



Feedbacks by students & faculty members:

Workshop was very informative for everyone and conducted in a great manner.

- D.D.Vyas, H.O.D. (E.C.).

Guidelines for database links, patent search sites and study material etc. given by this seminar and website for report making are designed very beautifully and these will be very helpful.

- Hardik Doshi, Asst. Prof. (CE)

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The seminar on Patent search methodology will be very helpful to students and increase our knowledge and helps in industrial exposure. Thanks to faculties and GTU, this is a one of the nice steps to improve knowledge in patent area.

- Pavan Aghera (7th Sem, E.C. Student)

Topic of seminar and given information all were good and useful.

- Dipenvadaliya (7th Sem Student, E.C. Dept.)

This kind of seminar and activity are very useful and helpful to engineers like us, because we are near to field work and research work. This kind of seminar keeps us active.

- Parth Trivedi (7th Sem Student, E.C. Dept.)

This activity gives very better scope for engineers to work in future. We got brief idea about patent search and filling a patent.

- Loriya Nitin (7th Sem Student, E.E. Dept.)

Faculty of Engineering Technology and Research - Isroli, Bardoli

At Faculty of Engineering Technology and Research – Isroli, Bardoli student's training session for PSAR generation was organized on 19th September 2013. The Program was organized branch wise (Chemical, Civil, Mechanical, Electrical and Computer Science & Engineering) so that students felt free to ask questions and solve their queries. The seminar was taken by Prof. Chirag C Mevada and Prof. Krunal S Ramanandi. Also Prof. Ketki A Shukla helped in organizing the seminar.



Dr. L B Chaudhari (Principal of Faculty of Engineering Technology and Research) appreciated such Innovative steps taken by GTU and motivated the students to carry out exhaustive patent search. All the

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Faculties of all the Branches attended the seminar and were happy to see such Innovative steps taken by GTU at Bachelors' level. All the students were amazed by seeing the statistics of Global Innovation Index and the score of India in the same.



By this seminar all the faculties and students clearly understood the need of Patent search as a part of their literature survey in their IDP/UDP. Students appreciated the way they taught about different databases they can use to carry out a detail patents study they can use for their project subject.



Feedbacks by students & faculty members:

I am very happy to see that filling up the details and answering all questions is very easy and covers the detail study of each patent.
- Talati Yaxita V. (7th Sem Student, Chemical Dept.)

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I Cannot believe that India in spite having such good number of universities and institute lags in total number of patents filed, especially by education field. – Computer Dept., 7th semester students

Technical part on filling up the patent details at GTU portal was very good, as it also gave freedom to students to give their thoughts on innovative question no. 27.

–Luhar Axay B. (7th Sem Student, Chemical Dept)

Good step taken by GTU to help students, carry out a detailed study of patents related to their field of interest using worldwide databases. –Prof. S. N. Prajapati (Chemical Department)

Conclusion of the Event:

The seminar was carried out branch wise and each student had ample of time to clearly understand how to answer all the questions. The question and answer session was effective to clear the idea of including patent search and analysis report generation. The knowledge about different databases which included worldwide patents was very useful to students and faculties to get more information on the subjects related to IDP/UDP. Faculty of Engineering Technology and Research will welcome such innovative seminars and workshops in future.

