

Patent Search Methodology and Analysis by Final Year Engg. Students

**9<sup>th</sup> 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)**

Government Engg College - Bharuch, Dr. Subhash Technical Campus - Junagadh and  
S. P. B. Patel Engineering College - Mehsana

These seminars at different colleges were conducted by faculties, who had participated in Faculty Development Programmes organized by GTU.

This 9<sup>th</sup> report comprises of reports, GTU had received from following colleges: **Government Engg College – Bharuch, Dr. Subhash Technical Campus – Junagadh and S.P.B. Patel Engineering College – Mehsana**, who have conducted seminar's for their students on the topics of IPR/Patents & PSAR.

These seminars and activity at different colleges are conducted to increase the awareness about IPR/Patents among all students of engineering. This will help them develop innovative projects. GTU Innovation Council (GIC) has launched Patent Search & Analysis Report (PSAR) activity through online project tracking/ mentoring system for all final year BE students. In this PSAR activity each student has to study five different patents either related to project work or related to his/her area of interest. After studying each patent, every student has to answer some basic questions about each patent to GTU's online project tracking/ mentoring website at: <http://projects.gtu.ac.in/patentSearch.jsp> .

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## **Government Engg. College – Bharuch**

Government Engineering College, Bharuch has arranged seminar on Patent Search and Analysis Report(PSAR) for students of all the disciplines of GEC, Bharuch on 30st Sep 2013 in Seminar Hall, Electrical Department building. Seminar was arranged by Prof. Prashant K Shah (Assistant Professor, Electrical), Prof. Vasant A Patel (Asst. Professor, Mechanical) and Prof. Sandip J Dawda (Asst. Professor, EC) who had given lectures on basics of Patents, Patent Search Methodology and Patent Search & Analysis Report generation activity. Overall around 100 students from different disciplines have attended this seminar and were briefed about all these aspects. Students were also informed about how to generate PSAR report using GTU's online project tracking website for this purpose at: <http://projects.gtu.ac.in/patentSearch.jsp> . All the students were informed about the important study material related to patents and related database search engines for the same. They were also informed about various YouTube video lectures available regarding Patents, Patent Search Methodology and PSAR activity recorded by GTU. Faculties who has not participated in any FDP organized by GTU were also informed about this activity. 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 of GTU will help the students to improve their knowledge & make them updated about new technologies in the world. Obviously this step of GIC will encourage the final year students to put more efforts in their IDP/UDP project. "Online Project Tracking System" launched by GTU on this year, was also appreciated. It will make regularity & improve quality of each IDP/UDP project.





**Feedbacks by students & faculty members:**

✓ GTU has taken good initiative in the direction towards the Patents/PSAR for the students and will greatly help students for their IDP/UDP. (Prof. D D Patel, Assistant Professor, Electrical)

✓ This activity will help in a great manner to all students and faculties who wants to do novel research in their area of interest. (Prof. A.K.GIRI, Assistant Professor, Electrical)

✓ This activity and initiative taken by GTU and our college staff members will benefit both students and staff to a great extent. (Prof. Vimal Patel, Assistant Professor, Mechanical)

✓ Patent search process through PSAR activity will be helpful for all students to know latest trends and developments in their area of domain and interest. (Niraj Solanki, Student-Electrical)

✓ Patent search process will greatly helpful for faculties and students who are perusing their Phd. (Prof.K.V.Chaudhari, Assistant Professor, Mechanical)

**Dr. Subhash Technical Campus – Junagadh**

At Dr. Subhash Technical Campus – Junagadh: Prof. K. C. Chheladiya, Prof. Nawaz Kureshi, Prof. Amit Bhuptani, Prof. Manish Lakhiyar and Prof. Bharat Sarkhedi have arranged seminars on PSAR for 7th semester students. Topics covered in the seminar were as follows: How to search patents related to project definition of each student, from different database available online, Introduction to Intellectual Property Rights (IPR), What is a patent, its details and significance of patenting in different areas like research, innovation, industries and business. Guidelines to find out answers of all questions to be submitted for PSAR Report making procedure on GTU online tracking portal. Students were also advised to refer “Video lecture about PSAR generation” by GTU.



The staffs' would carry out continuously periodic evaluation of students work on PSAR. The students will be trained for requirement and need of innovations, its protections, to understand the significance of patenting and to familiarize themselves with commercial exploitation of patents. They were made aware of patent reviews, write ups and students were also guided for career options to be explored with corporate companies engaged in R & D. If needed more workshop and laboratory practice sessions will also be arranged in future for student's development and interest.



**Feedbacks by students & faculty members:**

- ✓ It is a good campaign of GTU to catch the young minds, to grow up to meet the challenges of professional survival and growth in extremely competitive global market.

[Dr. S. T. Rajan, Director, Dr.Subhash Technical Campus, Junagadh]

- ✓ Engineering students ought to grab such an opportunity given by GTU, in a greatest manner to increase the portfolio of professional excellence for career development.

[Prof. D. D. Patel, Principal, Dr. Subhash Technical Campus]

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- ✓ A very good initiative taken by GTU. It will help the students to be familiar with various patent databases and students will be encouraged to carry out patentable innovative work as well. Also it can be helpful to students of other semesters too. Study of five patents per student will increase the grade of project work in a great manner.

[Prof. R. B. Vaghasiya, HOD – ELECTRONICS & COMMUNICATION DEPT.]

- ✓ It was really informative seminar about patent research and analysis. I am sure it will increase the innovative project work carried out during 7th and 8th semester.

[Prof. J. J. Patel (HOD - ME)]

- ✓ Finding a good patent itself is a good task for all students. So this initiative of GTU will help our students to upgrade their knowledge about patent & its quality.

[Prof. R. J. Thumar (Asst. Prof- EC)]

- ✓ It was a nice experience to learn about the patent search and analysis activity implemented by GTU. It will be helpful to final year students for their projects in a great manner.

[Prof. H. S. Parmar, Asst. Prof- EC)]

- ✓ This activity gives very good information and scope regarding research in all fields of technology.

[Prof. V. M. Jotaniya (Asst.prof- EC)]

- ✓ This is an inspiration message and activity started by GTU, while conducting such type of activity it will definitely impact in a great manner to rise India's rank in Global Innovation Index.

[Jaldeep Bhuvra (STUDENT 7TH Sem)]

**S.P.B. Patel Engineering College – Mehsana**

At S.P.B Patel Engineering College-Mehsana, on 26th September 2013 a seminar for final year students regarding Patents and PSAR was organized by Asst. Prof Jigar D. Suthar and Asst. Prof. Chitrlekha Nahar. At the campus two sessions were organized for faculties and students. By these workshops many students were trained about PSAR activity launched by GTU. More than 45 faculties were participated in this workshop.





### Feedbacks by students & faculty members:

- ✓ Patent Search & Analysis will Increase awareness regarding patents among engineering students. This approach promotes R&D activities and Innovations with the help of patent websites & various patent documents. (Prof. Rajesh Ishwar, Mechanical Engg Dept, S.P.B Patel Engineering College)
- ✓ It is really helpful for research scholars. It will also save time and money for the replica of idea. Awareness also gives direction for improving existing idea.  
(Asst. Prof. Satyam P. Patel, Mechanical Engg. Dept, S.P.B Patel Engineering College)
- ✓ Knowledge about patent & its search activity will definitely help students with the overall awareness about patents. It will help with analytical skill development as well, which is a very important parameter for an engineer. Students with research interest will be really benefitted early on with this exposure.  
(Professor S.M.Patel, HOD, Mechanical Engg. Dept. S.P.B Patel Engineering College)
- ✓ It is an innovative concept to students development, which will help to put their product (students) in the market successfully. Students will be in constant touch with the newly developed technology with the knowledge of patents and its search. Their mind will broaden up with this understanding and it will also help them to have clarity regarding the career path they want to pursue further. Since a lot of work goes on for this newly developed activity.  
(Asst. Prof. Trupti Rathod, Mechanical Engg Dept, S.P.B Patel Engineering College)



## Previous Reports

For previous reports published about the initiatives taken by various colleges by arranging seminars for their students, please see at the following URLs:

1. First report published about seminars conducted by LJ Institute of Engg. & Technology-Ahmedabad, Smt. S. R.Patel Engg. College, Dabhi (Unjha) and SNPIT & R C- UMRACKH, [http://www.gtu.ac.in/circulars/13June/Report\\_11thSept\\_PSAR.pdf](http://www.gtu.ac.in/circulars/13June/Report_11thSept_PSAR.pdf)
2. Second report published about seminars conducted by: Government Engineering College - Modasa, Universal College of Engineering and Technology -Gandhinagar, Ahmedabad Institute of Technology – Ahmedabad and Narnarayan Shastri Institute of Technology – Jetalpur [http://gtu.ac.in/circulars/13Sept/17092013\\_01.pdf](http://gtu.ac.in/circulars/13Sept/17092013_01.pdf)
3. Third report published about seminars conducted by: G H Patel College of Engineering and Technology- Vallabh Vidyanagar- Anand, Shankersinh Vaghela Bapu Institute of Technology– Gandhinagar, Kalol Institute of Technology & Research Centre-Kalol [http://gtu.ac.in/circulars/13Sept/3rd%20Report\\_PSAR\\_23rd%20Sept%202013.pdf](http://gtu.ac.in/circulars/13Sept/3rd%20Report_PSAR_23rd%20Sept%202013.pdf)
4. Fourth report published about seminars conducted by: Government Engineering College-Dahod, Tatva Institute of Technological Studies-Modasa, Bhagwan Mahavir College of Engineering and Technology-Surat [http://www.gtu.ac.in/circulars/13Sept/4th%20Report\\_PSAR\\_25th%20Sept%202013.pdf](http://www.gtu.ac.in/circulars/13Sept/4th%20Report_PSAR_25th%20Sept%202013.pdf).
5. Fifth report published about seminars conducted by: K. J. Institute of Engg. and Technology - Savli, Sabar Institute of Technology for Girls- Tajpur, Parul Institute of Engineering and Technology- Baroda [http://www.gtu.ac.in/circulars/13Sept/5th%20Report\\_PSAR\\_26th%20Sept%202013.pdf](http://www.gtu.ac.in/circulars/13Sept/5th%20Report_PSAR_26th%20Sept%202013.pdf).
6. Sixth report published about seminars conducted by: C.U.Shah College of Engineering & Technology-Wadhawan City, Darshan Institute of Engineering & Technology–Rajkot, Faculty of Engineering Technology and Research - Isroli, <http://gtu.ac.in/circulars/13Oct/030102013.pdf>
7. Seventh report published about seminars conducted by: Shree Saraswati Education Sansthan, Faculty of Engineering – Rajpur, Laxmi Institute of Technology - Srigrām, Alpha college of Eng & Technology – Khatraj and Chhotubhai Gopalbhai Patel Institute of Technology, Maliba Campus, Bardoli [http://www.gtu.ac.in/circulars/13Oct/7thReport\\_PSAR\\_9thOct2013.pdf](http://www.gtu.ac.in/circulars/13Oct/7thReport_PSAR_9thOct2013.pdf)
8. Eight report published about seminars conducted by: Sigma Institute of Engineering – Baroda, Sardar Vallabhbai Patel Institute of Technology-Vasad and Madhuben & Bhanubhai Patel Women's Institute of Engineering – Anand. <http://gtu.ac.in/circulars/13Oct/11102013.pdf>