Patent Search Methodology and Analysis by Final Year Engg Students

4th 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 <u>Patent Search & Analysis Report (PSAR)</u>

Government Engineering College–Dahod, Tatva Institute of Technological Studies–Modasa, Bhagwan Mahavir College of Engineering and Technology–Surat

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 . In line to first report 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), second report published about seminars conducted by: GEC-Modasa, UCET-Gandhinagar, AIT-Ahmedabad, NSIT–Jetalpur (http://gtu.ac.in/circulars/13Sept/17092013_01.pdf). Third report published about seminars conducted by: (http://gtu.ac.in/circulars/13Sept/3rd%20Report_PSAR_23rd%20Sept%202013.pdf) GCET-VV Nagar-Anand, KITRC-Kalol, SVBIT–Gandhinagar. This Fourth report will comprises details about seminar's conducted to guide students about PSAR generation by following pioneer institutions: Government Engineering College, Dahod, Tatva Institute of Technological Studies, Modasa, Bhagwan Mahavir College of Engineering and Technology-Surat. 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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Government Engineering College, Dahod

Government Engineering College, Dahod had organized the one day workshop cum seminar for students on Patent Search Methodology and PSAR Generation on 10/09/2013. This seminar was conducted by Prof. H.B.Tank (EC Dept.), Prof. R.M.Patel (EC Dept.) and Prof. K.B.Prajapati (Comp. Dept.) who has got training from GTU organized seminar on 07th September 2013 at LDCE. Student from all the departments of this pioneer institute have taken interest in this workshop. Trained faculties have given lectures to students on Patent Search Methodology and PSAR Generation

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Tatva Institute of Technological Studies, Modasa

Tatva Institute of Technological Studies, Modasa has organized an awareness program for "Patent Search Methodology and Final Year Project Phase-III" at Seminar Hall of Tatva Institute on Thursday, 12th September, 2013. In this program, total 215 Students of B.E. – Electronics & Communication, Information Technology, Electrical, Civil & Mechanical Engineering along with 32 faculty members took active participation. In initial Session, Prof. Sachin Bhalavat, delivered a talk on "Patent Search: using Open Source Database". In this session discussion about IPR system, Indian Patent Survey, Value of Patent, Requirement of Prior Art Requirement etc. were discussed.

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After the Discussion of what is patent and how to search a patent, it is necessary to discuss all the parts of Phase III of online project tracking system launched by GTU (http://projects.gtu.ac.in/patentSearch.jsp).   It is discussed by all trained faculty members combinely.

After initial Session, Prof. Sandip Prajapati continues a talk on "How to search all questions of phase-III (Patent Search & Analysis Report (PSAR)) in ESP@CENET and IPO database with examples.

Part 1 was discussed by the Prof. Haresh Sharma and Prof. Dharmesh Bhatiya

Part 2 was discussed by Prof. Vijay Parmar and Prof. Priyank Soni

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Part 3 was discussed by the Prof. Chintan Patel.

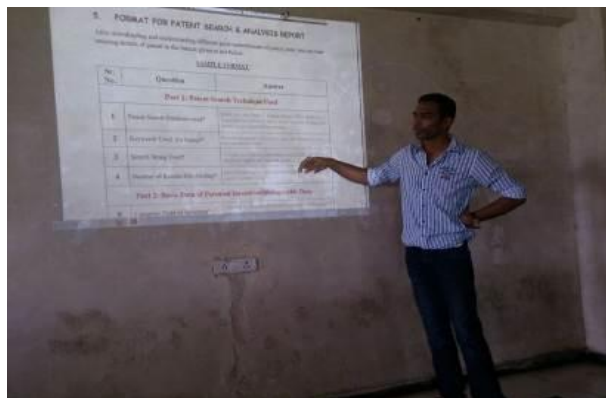## Bhagwan Mahavir College of Engineering and Technology, Surat

Mr. Dharmang Patel and Mr. Virendra Patel from Bhagwan Mahavir College of Engineering and Technology, Surat have attended the workshop on PSAR held on 7th Sept 2013 by GTU at LDCE. After this workshop these professors have arranged sessions for all the final year students from different branches to guide them and give them the introduction and guidance about PSAR.

Mr. Dharmang Patel has taken the session in the Mechanical Department & Civil Department, and Mr. Virendra Patel has taken the session in the Computer Department, Electronics and Communication Department and Electronics Department. From all the department's all the final year students along with the respective Faculty guides and H.O.D have attended the presentation session.

These professors have informed all students about importance of increasing the Global Innovation index of India, where India is standing and where India should stand in the coming years. As currently India is standing at the 66th position in the world ranking in terms of the Global innovation index and every year India is declining by the ratio of 2, we should start awareness to improve our innovation index which is highly dependent on the new innovations and ideas. To fulfill said target GTU has implemented and started this online project tracking system along with Patent Search & Analysis Report (PSAR) generation activity.

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Students were informed about the importance of patents and they were also guided how to search a relevant patent document regarding their project title with the help of the open source.

Students were also informed about the total 27 different fields which they have to fill for each patent document studied in the phase III registration. Among these fields the most important fields are the 26th and the 27th fields, in 26th field students have to fill how the patent document is relevant to their project and in the 27th field they have to fill the most important data, what are their ideas to add on or improve on the respective patent document.

Students were also guided for the report generation and submission of the Phase I, Phase II, and Phase III with spiral binding and submission in the department. Also they were informed that the evaluation scheme for the 7th semester project is based on the PSAR. Also the students were informed that minimum number of 5 patent documents per student in each group has to be done.