

*GTU INNOVATION COUNCIL*

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)



A

Report

of

**1<sup>st</sup> Faculty Development Programme (FDP)**

on

**“Patent Search and Technology Landscaping”**

**(PSTL)**

for Faculties of GTU affiliated Engineering/Pharmacy Colleges

organized on

**25<sup>th</sup> June 2015, Thursday**

at

**Gujarat Technological University**

Room.No.131, ACPC Building, L.D. Engineering College,

Ahmedabad

## Background

Under the visionary leadership of **Hon'ble Dr. Akshai Aggarwal sir**, GTU has been consistently making efforts to ensure that every single IDP/UDP become more original and relevant to the users. GTU is continuously organizing seminars and workshops on basics of IPR/Patents, Patent Prior Art Search Techniques and its importance, Patenting System in India and hands on exercises to draft patents. The whole value chain of patent search for novelty checking of any project is carried out using open source and paid patent databases.

To reduce the possibility of reinventing wheel and to increase the originality quotient of the projects, we have procured paid patent database “*PatSeer*”. Paid database are specialized databases exclusively meant for prior-art searches and technology landscaping. This paid database helps to examine current scenario of the student's project and its technical lacunas and how best paths can be found for future innovative project development.

## About Patent Landscaping:

Patent Landscaping start with a state-of-the-art search for the relevant technology in selected patent databases. The search results are then analyzed to answer specific questions about, e.g. , patterns of patenting activity (who's doing what? what is the filed? where?) or patterns of innovation (innovation trends, diverse solutions for a technical problem, collaborations). The results are presented visually to assist understanding, as well as conclusions or recommendations based on the empirical evidence provided.

Patent landscape reports provide a snap-shot of the patent situation of a specific technology, either within a given country or region, or globally.

## Objectives:

By attending this workshop, faculties got-

- Better understanding about the *advanced techniques of patent searching*

# GTU INNOVATION COUNCIL

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

- *Technology landscaping and trend analysis*
- Easily identifying *newer potential areas of research*
- Helping in design of novel and *innovative projects for students*

By attending this workshop, faculties can guide their students about the importance of prior art searching using open and paid databases. The training material will be shared with all faculty members so that they can take similar sessions for all their current final year students after going back to their colleges.

## Circular Detail

[http://www.gtu.ac.in/circulars/15June/22062015\\_12.pdf](http://www.gtu.ac.in/circulars/15June/22062015_12.pdf)

## Programme & Discussion

PSTL is a unique and advanced level initiative started by GIC to provide insight of advanced level patent search techniques and technology landscaping for any branch of Science or Technology. More than 70 faculties from different colleges all over Gujarat have actively participated in this one day event.

## First Session

In the first session, programme was started by **Dr. Manish Rachchh**, Associate Professor, GTU. He explained about-

- Global innovation index of different countries and status of India in innovation. To focus on innovation and improve, GII academic institute plays important role by filling patent for their innovative projects.
- Basic of patent search and method conducting patent search
- Types of patent search and Patent Search using open source technology

- Case study on patent search using Indian Patent Database and European Patent Databases

### **Second Session**

Second session was chaired by **Mr. Tushar Surti**, Global marketing Head, Gridlogics Technologies Pvt Ltd. Mumbai. He provided the live demo of Paid database “PatSeer”. He explained how to use PatSeer for your patent research and all aspects related to searching on PatSeer, reviewing results and finally exporting the filtered result set. He focused on-

- Patseer basic concepts, basics syntax and operators
- Types of paid databases like publication based and family based
- Differentiation in simple family and extended family
- Type of search in PatSeer i.e. quick search, simple search, field search and Number search
- Patent search filter to narrowing down the results
- Working with search results and export

### **Afternoon session**

The afternoon session was continued by **Mr. Tushar Surti** on Technology Landscaping. He explained that landscaping give a single platform to overview a particular field providing multiple insights to decision takers. In simple words, a patent landscape uses a large set of patents to extract relevant information, useful for understanding a particular field and all of which is viewable in a single file or a dashboard.

The insights derived may be one or more of the following:

- What is the filing/publication trend (time wise) of patents?

## *GTU INNOVATION COUNCIL*

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

- What is the filing trend (technology wise) of patents?
- Who are the top assignees or key players
- Who are the top inventors working in a particular technical area?
- How is research for the technology spread across different countries?
- What are the different inventions evolving over the years in a particular field?
- What are the technical details provided in each of the patent extracted for the landscape?
- Which companies are filing, how many and what kind of patents?
- What is the geographical distribution of patents filed specific to domain or specific to a player?
- What are the key/unique patents filed in a particular domain or by a particular player?
- What are the R&D areas a company focuses for future production?
- What is the quality and area of research carried out by a University?

Next, in hands on session, the access of paid databases is provided throughout the programme to faculty members. **Mr. Amit Patel**, Assistant professor and **Mr. Shailesh Jain**, Project officer-IPR helped to all the participants in patent searching and technology landscaping by “PatSeer” tool.

In valedictory session, all faculties were awarded with participation certificate.

# GTU INNOVATION COUNCIL

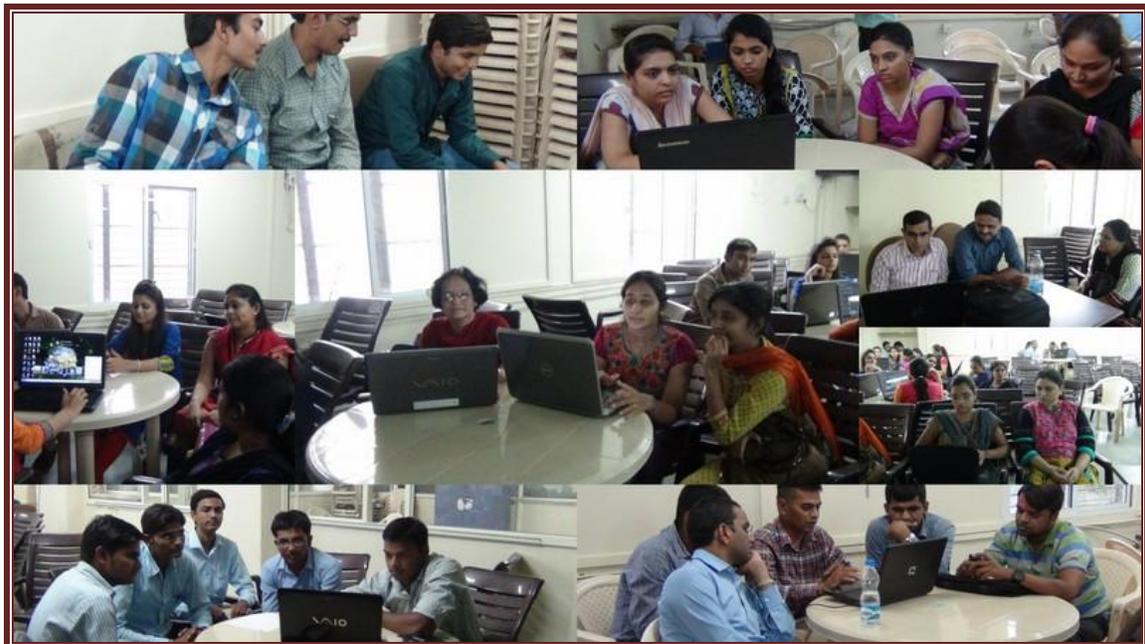
[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

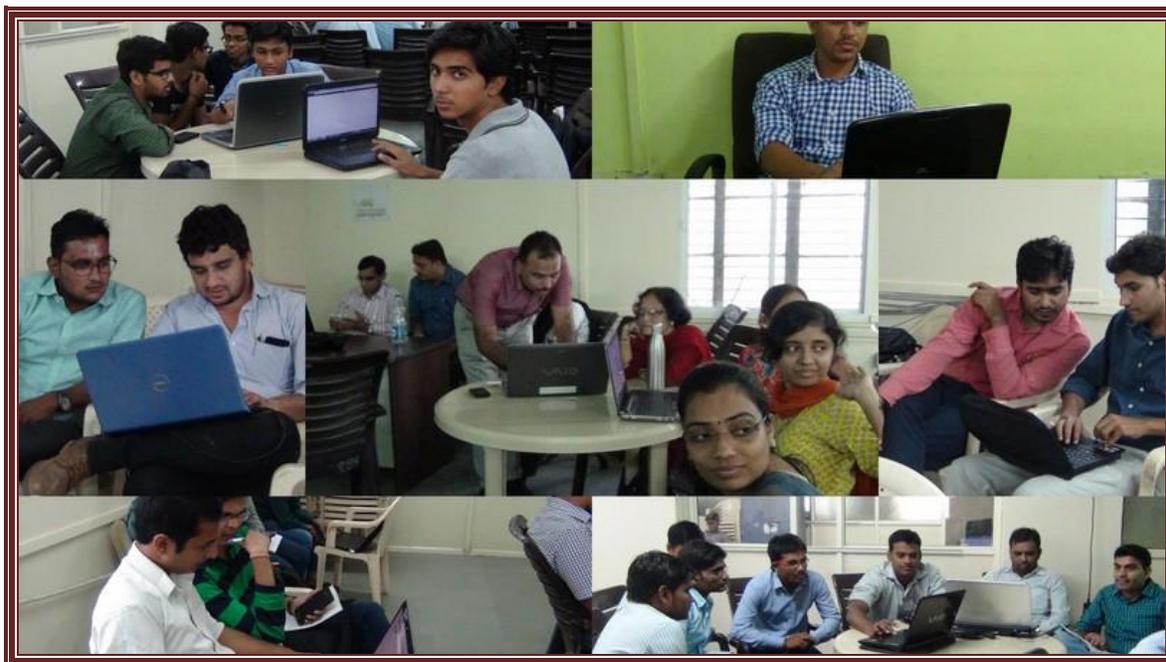
## Photo Gallery



# GTU INNOVATION COUNCIL

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)





### **Feedbacks from the participants about the GSPC programs**

- It was just a wonderful workshop. I came to know about the technicality of patent, patent search and technology landscaping through this workshop for the first time. I tried to start patent search regarding my research work and initially it was showing one result from a group of Chinese people in the area. May be I have to refine and improve my search but it was a fabulous experience. I would like to explore the area more and more for my personal work and also creating awareness and enthusiasm in students and ultimately motivating all stack holders of academic system. At the time of leaving the GTU campus, I was thinking to ask you for presentation and material through mail which will be helpful to me to arrange pedagogical session for faculty and students at my institute. But thanks for your mail, before reaching home I got the presentation and material from you. This is just an awesome act from your side which shows your dedication and seriousness for the workshop and awareness creation.

**Mahesh Vadhvaniya, Lecturer, Government polytechnic, Palanpur**

## *GTU INNOVATION COUNCIL*

[www.gtuinnovationcouncil.ac.in](http://www.gtuinnovationcouncil.ac.in)

- This is very informative lecture delivered by eminent faculty. And also request to conduct second FDP.

**Patel Roshani, Assistant Professor, Smt. N. M. Padalia Pharmacy College, Ahmedabad**

- Received good exposure on patent search and analysis. Good hospitality. Individual learning and hands- on training for using search facility indeed, it's a good initiative from university. This paid database facility should be available for research persons connected with PG & Ph.D students upon request.

**Dr. Sunita Goswami, Associate professor, L.M. College of Pharmacy, Ahmedabad**

- Very informative sessions. This type of FDP should be conducted every year.

**Ms. Ratna Limgavkar, Assistant Professor, Anand pharmacy college, Anand**

- This was best and informative for enhancing the knowledge of patent registration and landscaping. Curious to get id & password to access patseer.

**Mr. Jayeshkumar, Asst. Prof., Parul Institute of Engineering & Technology (Diploma)**

### **For More information, please contact:**

Dr. Manish Rachchh, Mob: 9909961894, [manish.rachchh@gtu.edu.in](mailto:manish.rachchh@gtu.edu.in)

Mr. Amit Patel, Mob: 9898801467, [ipr\\_projectofficer@gtu.edu.in](mailto:ipr_projectofficer@gtu.edu.in)

Mr. Shailesh Jain, Mob: 7359298134, [po\\_ipr@gtu.edu.in](mailto:po_ipr@gtu.edu.in)

Mr. Kalpesh Maiyad, [ipr@gtu.edu.in](mailto:ipr@gtu.edu.in)