

**Report on
One Day seminar for Civil Engineering
Students**

IDP-UDP Orientation, Shodh-Yatra and Basics of IPR, PSAR and PDE

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Reported

By

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ONE DAY SEMINAR ON IDP/UDP ORIENTATION, SHODH-YATRA & BASICS OF IPR/PSAR/PDE

Organized by
CIVIL ENGINEERING DEPARTMENT

11th June 2014

Conducted by
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Prof. Bhasker V. Bhatt

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Prof. Himanshu Padhya

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Prof. (Dr.) Pratima A. Patel

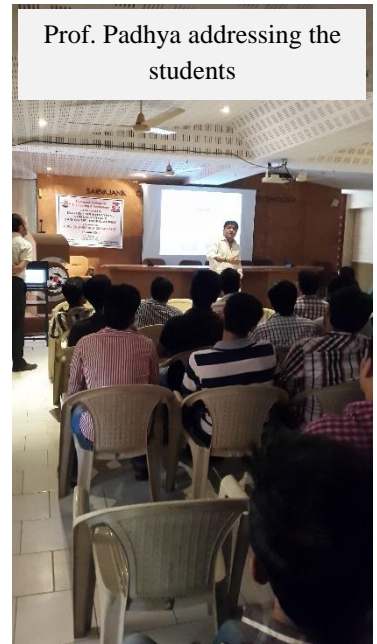
MOTIVATION

Respecting the initiatives and efforts being taken by *GIC of The Gujarat Technological University, Chandkheda* and following the inspiring words of *Dr Akshai Agrawal, Hon'ble VC- Gujarat Technological University*, innovation in the academic projects and the IPR is picking up momentum. Several directional movement that propagate innovation from the academics based on industries has begun. Looking to this, the Civil Engineering Department at Sarvajanik College of Engineering & Technology (042), Surat has flagged off the *Shodh yatra* by conducting a One-Day Seminar on “**IDP-UDP Orientation, shodh-yatra and Basics of IPR, PSAR and PDE**” on 11th June 2014 for the students of Civil engineering, entering their final year. Need for such an event roots to a reality that in the civil engineering branch, the researches merely help registering patents above that unaware students pick up innovative studies that do not help in filing the same and lack of awareness on IPR add its effect. So, by the end of eighth semester, though putting tremendous efforts and developing skills, students do not be able to tap the IPR advantages. At the Seminar, students are introduced step-by-step with different depths of detailing on different topics.

TOPICS AND SCHEDULE

The seminar was conducted with following schedule and topics following sticking with the time schedule imparting yet another lesson of time management to the students.

1. 1030 to 1045
Welcome & Introduction
2. 1045 to 1200
IDP/UDP Orientation, Shodh-yatra and soft skills
3. 1200 to 1300
IPR - An overview
4. 1415 to 1600
Basics of PSAR (search engines and method)
5. 1600 to 1700
Basics of PDE (drafting and filing)



Prof. Padhya addressing the students

WELCOME AND INTRODUCTION

Students and forum were welcomed and introduced in the session with importance of the seminar by **Prof. Bhasker V. Bhatt**. In addition, **Prof. Himanshu J. Padhya**, Head glimpsed on year-wise strategy to carry out project and motivated to take maximum benefit from the day. **Prof. Pratima A. Patel** also backed on with supporting words and guided students regarding formation of groups and selection/allotment of guiding faculties that shall be finalized in the following week. Next sections contain brief on the sessions conducted by **Prof. Bhasker V. Bhatt**.

SESSION – I: IDP-UDP ORIENTATION, SHODH YATRA AND SOFT-SKILLS


As per the practice adopted by the GTU since last two years regarding subject bearing maximum credits on practical work load in time table of students (the scheme and its relevance), the importance, evaluation scheme, time-line cycle, project work cycle with important aspect needed to be kept in mind were explained. Also, submission deadlines and deliverables at the stage of Project statement (in July-August) with group registration, PSAR (Sept-Oct), PDE and Final report submission and their



Prof. Bhatt during a talk on IDP-UDP


contents were discussed with facts provided by GTU-GIC based on analysis of year 2013 activities.

Students then introduced the IDP-Shodh yatra activity wherein the Civil Engineering Department is *to follow a novel approach on trial bases*. In a way, students are to be given a framed survey form. Each of the student will visit 10 (ten) persons in the industries (list of sub-domains organizations discussed for public/ private/ semi-government with different organizations and their scope) and collect certain data. Compilation of this data followed by an analysis will generate a pool if industry based issues/problems/difficulties that will be *pooled* among students. They can select and discuss most interesting topics of their choice with respective guiding faculties and begin the work (*Availing full degree of freedom with readily available problem that they may not have found themselves*). This shall be helping in attempting a real-world and prevailing issue to be addressed. It is expected to have a minimum of 750 survey forms will be available by the end of Shodh-yatra (deadline 25th June, 2014 is finalized).



Novel approach
for Shodh-
yatra

Further, students were made understood the importance of soft-skills that they shall learn and adopt inclusive of improved grooming, dressing, communication, presentation, entry behavior, body language, seating style, correct act and rest. Also, they were discussed on FAQ related to the Project – 1 and Project – 2 subjects followed by provision of questions for SELF ANALYSIS that help them building and reviving their personal goals as well as goals that lead and help them to achieve academic excellence. The “*Project Orientation Manual 2014*” that in process of printing will be given to them that will be a source of *ready reckoner* throughout the year for all the topics that are discussed during the day.



Soft-skills,
FAQ, Goal
setting and
Project
Orientation
Manual

SESSION – II IPR – AN OVERVIEW

Beginning with the idea of *Innovativeness-Inventive Step-Industrial Utility*, brief over view of IPR, legislative provisions, few of patented products (inducing generation of ideas), Indian and Global perspective of patents, Copyright, Trademark, Design, Geographical indication, Semiconductor IC Layout and Design, Plant variety and farmer protection right act, Trade secret – different forms were discussed along with applications and benefits of each. Also, the *changes in policies* and provisions by the Government and the GTU was discussed and informed. Stress was given



on *the helping hand being offered by GTU* if students come up with real good innovation.

SESSION – III: BASICS OF PSAR

Patent Search and Analysis Report – PSAR has been introduced in the grading of student since 2013 and that has to be performed in the 7th semester by each students on which evaluation is carried out by the GIC-GTU. Students were made aware on using different search tools, patent search tools, Boolean techniques of filtering search, different Patent Granting organizations (with screens of their web pages), patent coding, and reading the pattern of patent documents. By the end of session, students were made aware about the format in which they are to submit the PSAR report along with project report at the end of 7th Semester.



SESSION – IV: BASICS OF PDE

Before the day ended, students were made understood on Patent filing process, structure of IPO, Different forms and charges, provisional and complete patent – advantages and loopholes, PDE exercise of GTU in 8th semester and points to be kept in mind while working with possibilities of patent filing process. This shall help giving them streamlining their thoughts as well as keeping up time-pace if students are working on a workable innovative idea, addressing applicability at a wider scale.

The ended with a satisfaction of stepping-up with energizing the new batch in support to contribute to fulfill vision to make *SCET – towards progressive civilization* and *GTU a world class Research Oriented University*.



FUTURE COURSE OF ACTION

16th June – Distribution of Orientation Manual and Survey forms

25th June – submission of Shodh-yatra survey forms by students

1st July – completion of analysis on findings from survey and sharing of pool of ideas among students

Week of 2nd July –finalization of research topic/area of interest by students with guiding faculty and working strategy

Subsequent week – beginning of journey towards excellence...!



ATTENDANCE

Students attempting to understand the complexities



The seminar was declared well in advance among students being organized by the Civil Engineering Department that shall be considering marks weightage of attending the event.

A total of **44 students** attended the event. Attendance through students sign in *pre-lunch* and *post-lunch* sessions was recorded. All the students are to be distributed with “*Certificate of Seminar Participation*”.

ACKNOWLEDGEMENT

Project coordinators are thankful to the philanthropic, a century young *Sarvajanik Education Society* for allowing the N. J. Seminar hall and allied facilities for the event with necessary motivation; wholeheartedly indebted to the ***Prof. (Dr.) Vaishali Mugurwadi***, Principal, SCET for affirmative support assuring smooth conduction the event. Coordinators also acknowledge *Prof. Mitali Shah* and *Prof. Amita Updhyay* for partially attending the event in support. Enthusiastic response shown by the students is really motivating to the faculties of the department to get energized and materialize the ability of students toward obtaining vision.

Prof. (Dr.) P. A. Patel, Prof. A. P. Upadhyay and students attending seminar

