

INSTITUTE	DIPLOMA STUDIES
PROGRAM	DIPLOMA ENGINEERING (CIVIL ENGINEERING)
SEMESTER	6
COURSE TITLE	INTELLECTUAL PROPERTY RIGHTS
COURSE CODE	09CI0613
COURSE CREDITS	1

Objective:

- 1 This subject is designed to introduce fundamental aspects of Intellectual property Rights to students who are going to play a major role in development and management of innovative projects in industries. Subject introduces different aspects of the IPR Acts. It also includes case studies to demonstrate the application of the legal concepts in Engineering, Technology and Creative Design.
- 2 To understand fundamental aspects and different forms of Intellectual Property Rights (IPR).
- 3 To understand the importance and process of Trademark, Copyright and Design.
- 4 To learn patent search analysis and drafting a patent.
- 5 To study various case studies of IPR in civil engineering field.

Course Outcomes: After completion of this course, student will be able to:

- 1 Know the various forms of Intellectual Property Rights (IPR).
- 2 Know the process of filing a Trademark, Copyright and Design.
- 3 Analyze the searched patent and draft the provisional application of the Patent.
- 4 Analyze the case study of the patent related to civil engineering field.

Pre-requisite of course:No pre- requisite required

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	2	0	0	0	50	50

Contents : Unit	Topics	Contact Hours
1	Overview of Intellectual Property Introduction of Intellectual Property Right (IPR) , Need for intellectual property right (IPR), , IPR in India – Genesis and Development, , IPR in abroad, , IPR Case Study	4
2	IPR – Trademark, Copyright & Design Overview of Trademark, Copyright and Design , Importance of Trademark, Copyright and Design , Process for filing Trademark, Copyright and Design Related rights and Case studies	8

Contents : Unit	Topics	Contact Hours
3	IPR – Patent Importance of patent, Classification of patents in India, Classification of patents by WIPO, Patent document, Granting of patent, Rights of a patent , Patent Searching, Drafting and filing , Patenting Civil Engineering products and Case Studies	12
4	IPR for Civil Engineering Overview of Civil Engineering and Intellectual Property, Case studies of Civil Engineering	4
Total Hours		28

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	Experiment -1 Analysis of various forms of the IPR and their related centers	4
2	Experiment -2 Understanding the process of Trademark, Copyright and Design & its relevant information	8
3	Experiment -3 Prepare Patent Search and Analysis Report (PSAR) and drafting a provisional application of patent in India	12
4	Experiment -4 Analysis of the various case studies of IPR in Civil engineering	4
Total Hours		28

Textbook :

- 1 Law Relating to Intellectual Property Rights, Dr. M. K. Bhandari, Central Law Publications, 2021
- 2 Managing Intellectual Property, Vinod V. Sople, Prentice Hall of India Pvt. Ltd., 2006

References:

- 1 Intellectual Property Rights in India, Intellectual Property Rights in India, V. K. Ahuja, Lexis Nexis, 2015
- 2 Intellectual Property Rights in the WTO And Developing Countries, Intellectual Property Rights in the WTO And Developing Countries, Jayashree Watal, Kluwer Law International, 2002
- 3 Intellectual Property Rights - A Primer, Intellectual Property Rights - A Primer, R. Anita Rao V. Bhanoji Rao , Eastern Book Co, 2010
- 4 Intellectual Property Rights, Intellectual Property Rights, Neeraj Pandey Khushdeep Dharni, PHI Learning, 2014

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
30.00	20.00	15.00	15.00	20.00	0.00

Instructional Method:

- 1 The course delivery method will depend upon students' content requirements and needs. In addition to conventional teaching method by a blackboard, the teacher may also use any tools such as demonstration, role play, Quiz, brainstorming, MOOCs, etc.
- 2 The internal evaluation will be done based on continuous evaluation of students in the laboratory and classroom.
- 3 Practical examination will be conducted at the end of the semester for evaluation of the performance of students in the laboratory
- 4 Students will use supplementary resources such as videos, e-courses, virtual laboratory

Supplementary Resources:

- 1 <https://l2proindia.com/>
- 2 <https://ihubgujarat.in/>
- 3 <https://ipindia.gov.in/>
- 4 <https://wipo.int/>