

ENG107e Intellectual Property and Patents

Level: 1

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

E-Learning: FULL - Learning is done ENTIRELY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. There are no face-to-face sessions. If the course has an exam component, this will be administered on-campus.

Synopsis:

The course introduces engineering students to the importance of understanding the characteristics and applications of Intellectual Property and Patents. Industry examples of case studies will be deployed in the teaching/student assessment of performance in the course.

Topics:

- An Invention and its Protection
- Patents
- Trademarks
- Designs
- Plant Varieties Protection
- Copyright
- Trade Secrets and Confidential Information
- Geographical Indications
- Layouts - Designs of Integrated Circuits

Learning Outcome:

- Identify appropriate forms of intellectual properties and their registration requirements.
- Recall the criteria for invention to be patentable, validity of trademarks and designs and other characteristics of intellectual properties.
- Give appropriate solutions for scenarios involving various forms of intellectual properties.
- Comment on specific cases/ scenarios involving intellectual properties.
- Illustrate the rights and protection available for intellectual properties.
- Discuss the possible issues with patents, trademarks, designs and other intellectual properties.
- Show the benefits and use of intellectual properties.
- Cite the relevant organizations for registering various intellectual properties.

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
GROUP BASED ASSIGNMENT	15
PRE-CLASS QUIZ	1
DISCUSSION BOARD	10
PRE-CLASS QUIZ	1
PRE-CLASS QUIZ	1
PRE-CLASS QUIZ	1

PRE-CLASS QUIZ	1
Sub-Total	30

Examinable Component	Weightage (%)
Written Exam	70
Sub-Total	70

Weightage Total **100**