CSE332
INDUSTRY ETHICS AND LEGAL ISSUES

Lecture #0

The kick start session

Course Details

- Course Code:- CSE332
- LTP:- 2 0 0 [2 lectures/week]
- Credits:- 2

Vision

To be a globally recognised school through excellence in teaching, learning and research for creating Computer Science professionals, leaders and entrepreneurs of future contributing to society and industry for sustainable growth.

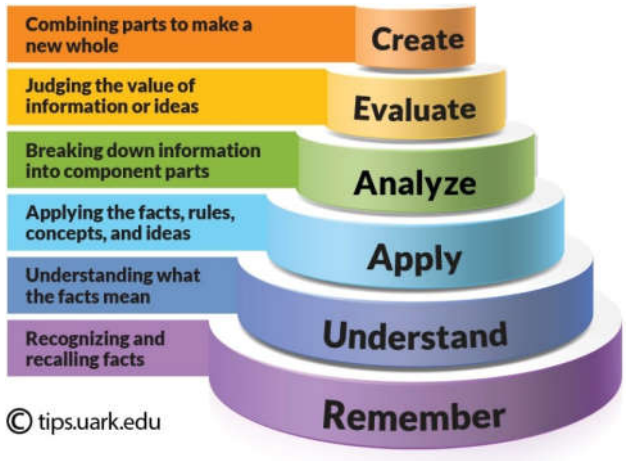
Mission

- To build computational skills through hands-on and practice-based learning with measurable outcomes.
- To establish a strong connect with industry for in-demand technology driven curriculum.
- To build the infrastructure for meaningful research around societal problems.
- To nurture future leaders through research-infused education and lifelong learning.
- To create smart and ethical professionals and entrepreneurs who are recognized globally

Revised Bloom's Taxonomy

Bloom's Taxonomy is a framework for categorizing educational goals, It is widely used by educators to create learning objectives, assessments, and activities that encourage higher-order thinking. The taxonomy is typically represented as a hierarchical model with six levels:

•**Remembering**: Recalling facts and basic concepts.
•Example: Define, list, memorize, repeat, state.
•**Understanding**: Explaining ideas or concepts.
•Example: Describe, explain, interpret, summarize, classify.
•**Applying**: Using information in new situations.
•Example: Use, execute, implement, demonstrate, solve.
•**Analyzing**: Breaking information into parts to explore understandings and relationships.
•Example: Compare, contrast, examine, test, differentiate.
•**Evaluating**: Justifying a decision or course of action.
•Example: Critique, judge, argue, support, validate.
•**Creating**: Producing new or original work.
•Example: Design, construct, plan, produce, invent.



Course outcome

Through this course students should be able to:

CO1 :: Demonstrate Ethics across various professional domains

CO2 :: Apply the understanding of intellectual property concepts in practical contexts

CO3 :: Analyze the benefits available under startup India initiative

Course outcome

Through this course students should be able to:

CO4 :: **Explain comprehensive business plan for an IT startup**

CO5 :: **Classify latest trends to contribute effectively to dynamic landscape of IT industry**

CO6 :: **: Examine various cyber laws to address emergency digital threats**

Program Outcomes

PO1

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2

Problem analysis::Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3

Design/development of solutions::Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4

Conduct investigations of complex problems::Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Program Outcomes

PO5

Modern tool usage::Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6

The engineer and society::Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7

Environment and sustainability::Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8

Ethics::Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9

Individual and team work::Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Program Outcomes

PO10

Communication::Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11

Project management and finance::Demonstrate knowledge and understanding of the engineering, management principles and apply the same to one's own work, as a member or a leader in a team, manage projects efficiently in respective disciplines and multidisciplinary environments after consideration of economic and financial factors.

PO12

Life-long learning::Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

PSO1: Apply acquired skills in software engineering, networking, security, databases, intelligent systems, cloud computing and operating systems to adapt and deploy innovative software solutions for diverse applications.

PSO2: Apply diverse IT skills to design, develop, and evaluate innovative solutions for business environments, considering risks, and utilizing interdisciplinary knowledge for efficient real-time projects benefiting society.

Skill Attainment

Logical Thinking

Technical Competence

Publication

Patent/ Copyright

Interpersonal Skills

Course Contents

Unit 1: ETHICS

Definition of ethics, Importance of integrity, Ethics in business world, improving corporate ethics, Creating an ethical work environment, Ethical decision making, Ethics in information technology, Ethical behavior of IT professional, Common ethical issues for IT users, Supporting the ethical practices of IT users

Unit 2: INTELLECTUAL PROPERTIES

Different kinds of marks (brand names, logos, signatures, symbols, well known marks, certification marks and service marks), Patents, Importance of Patent Information in Business Development, Concept of Intellectual Property, Copyrights, Trademarks

Unit 3: GOVERNMENT FUNDING AND SCHEMES FOR STARTUPS

what are Startups, Startup India benefits, Resources, bank loan for start up business, Start-up India, 10000 startups -A NASSCOM Initiative, Export promotion schemes: Software Technology Parks (STPs), Special Economic Zones (SEZ) Scheme, Laws for Startups

Course Contents

Unit 4: STARTUP IN IT

Planning of startup business in IT sector-Executive summary, General company Description, Products and services, Marketing plan, Operational plan, Management and organization, Personal Financial Statement, Startup Expenses and Capitalization, Financial Plan, Appendices, Refining the Plan, Examples of Successful Start-ups

Unit 5: COMPANIES

Introduction to IT and ITES industry (Product based, Services based), Introduction to NASSCOM, STPI, Overview on latest IT projects with global impact, Case study of an IT industry (Product based and Services based), Recent technology advancement, Current affairs related with the IT industry, Diversity in the Workforce

Unit 6: LEGAL, ETHICAL AND PROFESSIONAL ISSUES IN INFORMATION SECURITY

Introduction, Law and Ethics in Information Security, Organizational Liability and the Need for Counsel, Policy Versus Law, Cyber Crime, Cyber-crime on the rise, Cyber law of India, Need for cyber law in India

Course Assessment Model

Marks Breakup

Attendance	5
CA	25
MTE	20
ETE	50
Total	**100**

Details of Academic Tasks

AT1:Case Based Assignment (IPR) (Before MTE)	Lecture 06
AT2:Test2(MCQ based) (After MTE)	Lecture 18

Note: No MOOC Certification is Applicable

AT1 –IPR Rubrics

Identification of Problem Statement and formulation of Objectives- 15 Marks

Analysis of Existing Case Studies (Study of Literature) - 15 Marks

Originality and Innovation- 20 Marks

Use of Relevant Terminology (Problem Solution) - 15 Marks

Clarity and Organization (Documentation)- 20 Marks

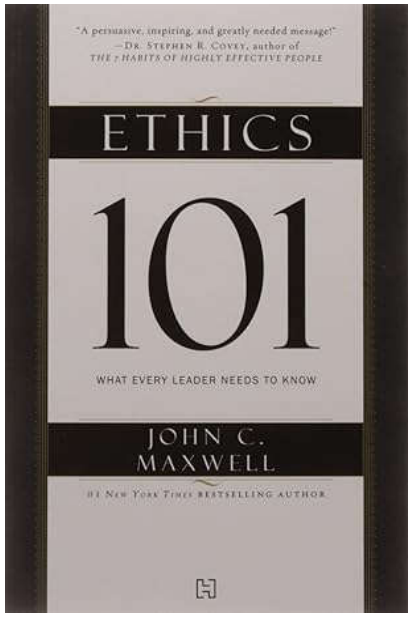
Presentation Skills- 15 Marks

These marks will be prorated with the marks obtained by the student out of 30 marks.

Text Book/ Reference Book

Text Book

- ETHICS 101
  - Author: JOHN .C MAXWELL
  - Publisher: Hachette India



Online Education Resources

1. Introduction to Intellectual Property - https://www.coursera.org/learn/introduction-intellectual-property.

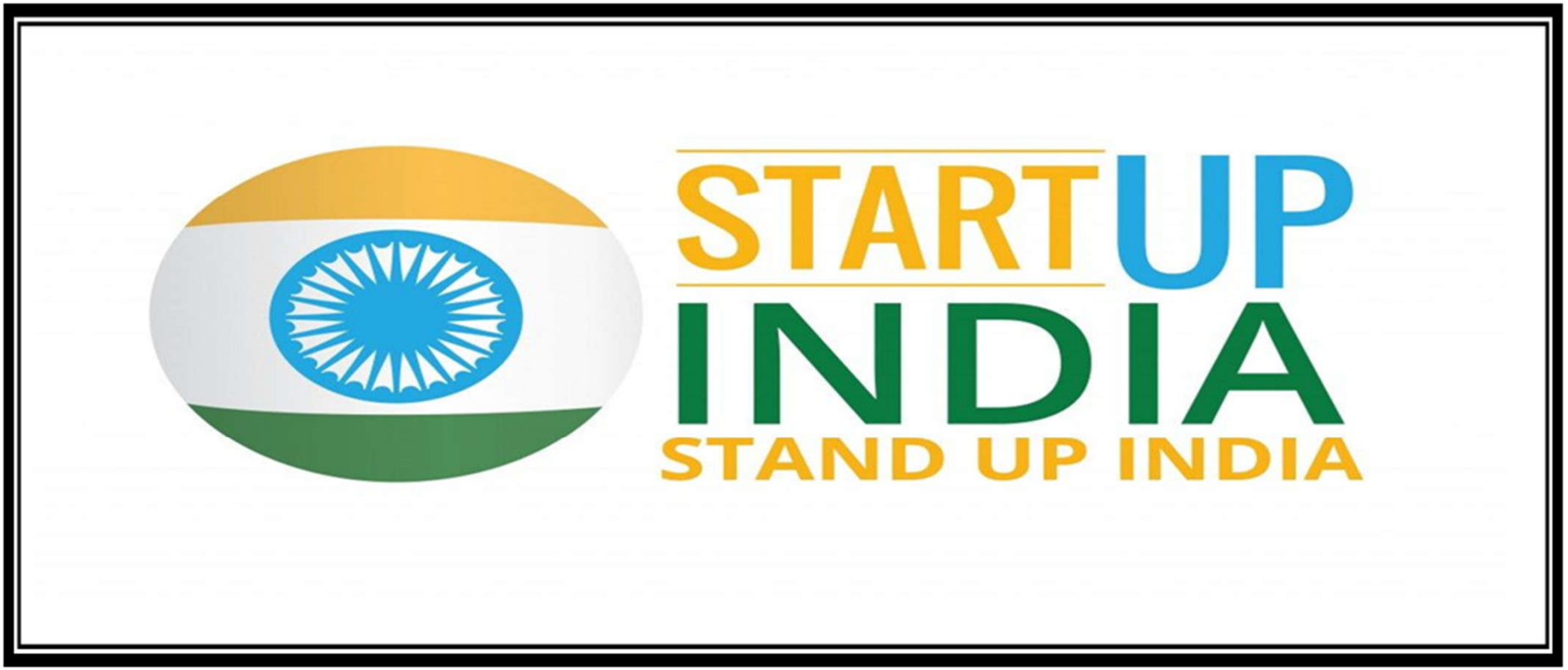
2. Startup Entrepreneurship Specialization

   https://www.djangoprojecthttps://www.coursera.org/specializations/startup-entrepreneurship.com/.

Unit-1: Ethics

Unit-2: Intellectual Properties

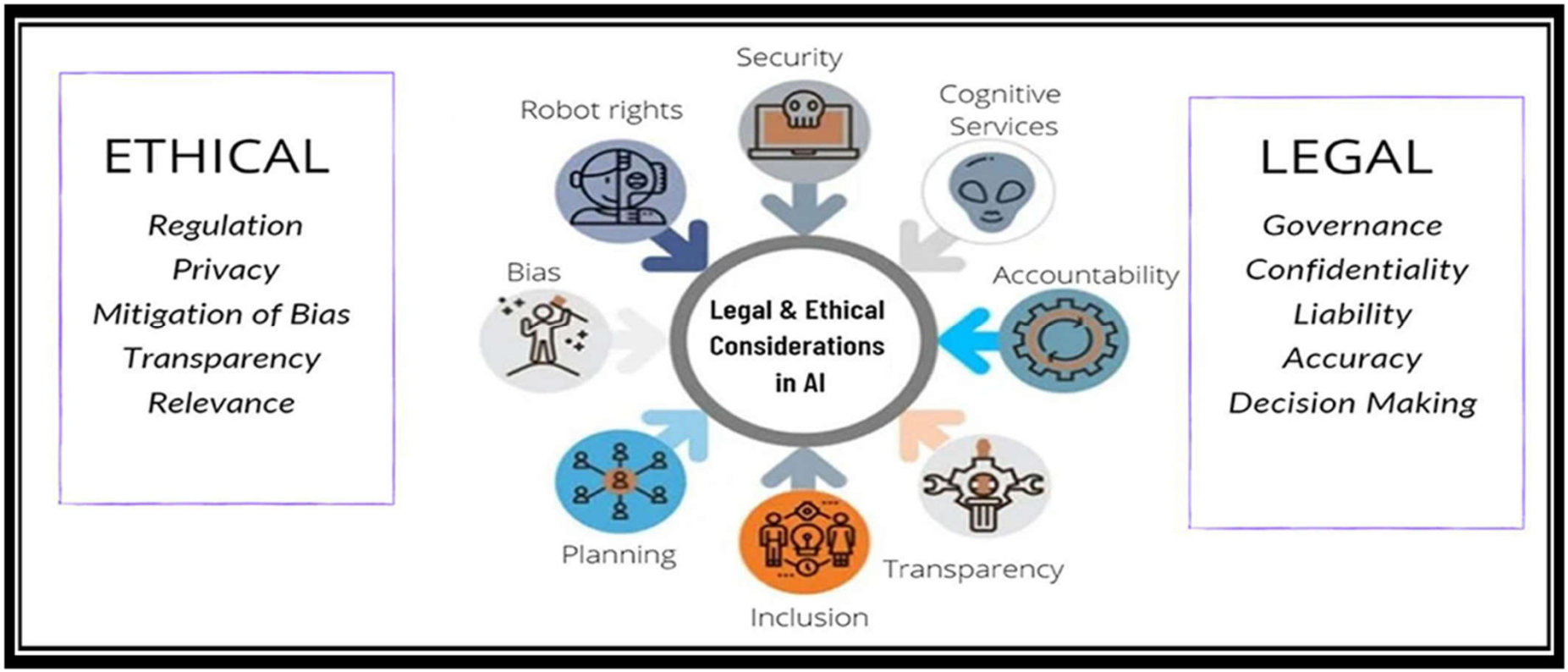
Unit-3: Government Funding and Schemes for Startup



Unit-4: Startup in IT

Unit-5: Companies

Unit-6: Legal, Ethical and Professional Issues in Information Security



Next Class: Ethics