COURSE CODE	COURSE TITLE	L	T	P	C
UCS1704	MANAGEMENT AND ETHICAL PRACTICES	3	0	0	3

OBJECTIVES
- To train basic and applied fields of Management
- To improve the Managerial skills
- To prepare the students to the management world
- To create an awareness on Engineering Ethics and Human Values.
- To learn technical, legal, and ethical issues involved in computer security

UNIT I OVERVIEW OF MANAGEMENT & PLANNING   9

Organization – Role of managers – Evolution of management thought – Managing globally– Strategies for international business. Planning process– Types of plans – Decision Making – Types of decision– Decision making Process – Rationaldecision-making process– Decision making under different conditions.

UNIT II ORGANIZING AND DIRECTING   9

Nature and purpose of organizing – Line and staff authority – Departmentation – Centralization anddecentralization – Delegation of authority – Staffing – Selection and recruitment – Orientation – Performance appraisal; Motivation and Satisfaction – Motivation theories leadership – Leadership theories – Hurdles to effective communication.

UNIT III ETHICS IN ENGINEERING   9

Senses of engineering ethics – Variety of moral issues – Types of inquiry – Moral dilemmas – Moral autonomy – Kohlberg'stheory – Gilligan's theory – Consensus and controversy – Models of professional roles - Theoriesaboutright action – Self-interest – Customs andreligion – Uses of ethicaltheories - Ethics of AIand Machine Learning.

UNIT IV SAFETY, RESPONSIBILITIES AND RIGHTS   9

Safety andRisk: Assessment of safetyandrisk – Risk benefitAnalysis andreducing risk-Respectfor authority – Collectivebargaining – Confidentiality– Conflictsof interest – Occupational crime– Professional rights– Employee rights– Intellectual Property Rights (IPR) – Discrimination.

UNIT V CYBERSECURITY ETHICS   9

Introduction – Controlling AccessFlow– Protecting Privacy– Dealingwith Intrusion – Managing Distributed Resources – Encouraging Exploration – FosteringResponsibility – Asserting Ownership – Three Ethical Frameworks

TOTAL PERIODS: 45

OUTCOMES
On successful completion of this course, the student will be able to
- Describe basic and applied fields of Management (K2)
- Describe and practice Managerial skills (K3)
- Describe and practice Engineering Ethics and Human Values (K3)

- Describe and use safety, responsibility, and rights (K3)
- Describe ethical issues in cyber security (K2)

TEXTBOOKS
1. Hellriegel, Slocum, Jackson, "Management -A Competency Based Approach", Thomson South Western, 10thedition, 2007.
2. Govindarajan M, Natarajan S, SenthilKumar V S, "Engineering Ethics", PrenticeHall of India,New Delhi, 2004.

REFERENCE BOOKS
1. Harold Koontz, Heinz Weihrich, Mark V Cannice, "Management – Aglobal & Entrepreneurial Perspective", Tata McGrawHill, 12th edition, 2007.
2. Stephen P Robbins,MaryCoulter, "Management", PrenticeHallof India,8thedition.
3. MikeW Martin, Roland Schinzinger, "Ethics in Engineering", Tata McGraw Hill, New Delhi, 2003.
4. Mary Manjikian, "Cyber security Ethics an Introduction", Routledge Taylor & Francis Group, 2018.
5. George Ledin, "Computer Security, Ethics and Society", McGraw-Hill, 2010.
6. http://www.cs.bath.ac.uk/~jjb/web/ai.html