

Course Code :		1BHSC107M/ 1BHSC207M	Indian Constitution and Engineering Ethics	Semester :	I/II
L:T:P :		01:0:0		Course Type :	MC
Hours/Sem.	Teaching :	14Hrs		CIE Marks :	100
	Learning (TW+SL) :	14Hrs		SEE Marks :	00
	Exam :	02Hrs		Total Marks :	100
	Total Hrs. :	30Hrs	Credit :	00	

Professional Competency:

Ability to critically analyze the structure and provisions of the Indian Constitution, exercise rights and duties responsibly, and apply constitutional principles to governance, technology, and ethical challenges in professional and societal contexts.

Course Outcomes:

After completion of the course, student will be able to:

- 1: Analyse the basic structure of Indian Constitution.
- 2: Identify and exercise their rights and duties as responsible citizens and professionals.
- 3: Analyze the relevance of governance structures.
- 4: Evaluate the impact of constitutional provisions on modern technological challenges and ethical issues.

UNIT-I

3 Hrs.

Introduction to the Indian Constitution and its Evolution

The Necessity of the Constitution, The Societies before and after the Constitution adoption. Introduction to the Indian constitution, The Making of the Constitution, The Role of the Constituent Assembly. The Preamble of Indian Constitution & Key concepts of the Preamble. Salient features of India Constitution.

UNIT-II

4 Hrs.

Fundamental Rights, Duties & DPSPs

Fundamental Rights and their relevance to engineers (e.g., freedom of expression, right to equality) Reasonable restrictions in the context of public safety, technology use, and social media, Fundamental Duties and civic responsibilities of a citizen-engineer, Directive Principles of State Policy: Welfare state, environmental protection, and social justice.

UNIT-III

4Hrs.

Governance Structure

Union Government : Parliamentary System, Union Executive – President, Prime Minister, Union Cabinet, Parliament - LS and RS, Parliamentary Committees, Important Parliamentary Terminologies. Supreme Court of India.

State Government: State Executive & Elections, Amendments and Emergency Provisions:

State Executive, Election Commission, Elections & Electoral Process. Amendment to Constitution (How and Why) and Important Constitutional Amendments till today. Emergency Provisions.

UNIT-IV	3 Hrs.
Role Professional Ethics: Ethics & Values. Types of Ethics. Scope & Aims of Professional & Engineering Ethics. Positive and Negative Faces of Engineering Ethics. Clash of Ethics, Conflicts of Interest. The impediments to Responsibility. Trust and Reliability in Engineering, IPRs (Intellectual Property Rights), Risks, Safety and liability in Engineering.	
Text Books:	
1. Singles Shubham, Charles E. Haries, and et al (2019) “Constitution of India, Professional Ethics and Human Rights” Cengage Learning India, Latest Edition.	
Reference Books:	
2. Naidhruva (2022) “Constitution of India”(for Competitive Exams) Edutech Learning Solutions, Bengaluru. 3. Durga Das Basu (DDBasu) (2008) “Introduction to the Constitution of India” , (Students Edition.) Prentice –Hall,. 4. M. Govindarajan, S. Natarajan, V.S. Senthilkumar (2004) “Engineering Ethics” , Prentice –Hall. 5. Merunandan K B “The Constitution of India” Second Edition Merugu Publication, , Bengaluru. 6. Justice Dhas Nagamohan HN, Sahayana, kerekon. “Samvidhana Odu”-for Students & Youths 7. M. Govindarajan, S. Natarajan, V.S. Senthilkumar (2004), “Engineering Ethics” , Prentice–Hall, 8. Govt. of India – Bare Act of the Constitution 9. UGC MOOCs / NPTEL Courses on Indian Constitution	
Web Links and Video Lectures:	
1. https://onlinecourses.nptel.ac.in/noc25_lw09/preview?utm_source=chatgpt.com 2. https://onlinecourses.nptel.ac.in/noc26_lw10/preview?utm_source=chatgpt.com 3. https://en.wikipedia.org/wiki/SWAYAM?utm_source=chatgpt.com 4. https://nptel.ac.in/courses/110105097?utm_source=chatgpt.com 5. https://www.youtube.com/playlist?list=PLbRMhDVUMngdL7ofhT7uH9_XBk4-2qslI&utm_source=chatgpt.com	

Course Outcomes	Programme Outcomes (POs)										
	1	2	3	4	5	6	7	8	9	10	11
CO1	-	-	-	-	-	2 WK7		-	-	-	2 WK8
CO2	-	-	-	-	-	3 WK7	1 Wk9	-	-	-	2 WK8
CO3	-	-	1 WK7	-	-	3 WK7	3 WK7	-	-	-	2 WK8
CO4	-	-	1 WK8	-	-	2 WK7 & WK9	3 WK7 & WK9	-	-	-	3 WK7 & WK9

