



# K. S. INSTITUTE OF TECHNOLOGY

An Autonomous Institution under VTU, Approved by AICTE

Department of Applied Science and Humanities

**FIRST / SECOND SEMESTER SYLLABUS**

<b>Course : : INDIAN CONSTITUTION AND ENGINEERING ETHICS</b>		Semester	I/II
<b>Course Code</b>	<b>25BICOK107/207</b>	CIE Marks	100
Teaching Hours/Week (L:T:P: S)	1:0:0:0	SEE Marks	-
Total Hours of Pedagogy	15	Total Marks	100

## Course Learning Objectives (Course Skill Set)

1. To know about the basic structure of Indian Constitution.
2. To know the Fundamental Rights (FR's), DPSP's and Fundamental Duties (FD's) of our constitution.
3. To know about our Union Government, political structure & codes, procedures.
4. To know the State Executive & Elections system of India.
5. To learn the Amendments and Emergency Provisions, other important provisions given by the constitution.

### Module-1

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

**(3 hours)**

### Module-2

Fundamental Rights (FR's) and its Restriction and limitations in different Complex Situations. **Directive Principles of State Policies**(DPSP's) and its present relevance in Indian society with examples  
Fundamental Duties  
and its Scope and significance in Nation building.

**(3 hours)**

### Module-3

Parliamentary System Union Executive : Union Executive – President, Prime Minister, Union Cabinet. LS and RS, Parliamentary Committees, Important Parliamentary Terminologies. Supreme Court of India and other Courts, Judicial Reviews and Judicial Activism

**(3 hours)**

### Module-4

State Executive and Elections, Amendments and Emergency Provisions Election Commission, Elections and Electoral Process, Amendment to Constitution (How and Why) and important Constitutional Amendments till date. Emergency provisions

**(3 hours)**

### Module-5

Ethics and Values , Types of Ethics, Scope and aims of Professional and 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.

**(3 hours)**

**Course outcome (Course Skill Set) :**

At the end of the course the student will be able to :

- CO1 Analyse the basic structure of Indian Constitution.
- CO2 Remember their Fundamental Rights, DPSP's and Fundamental Duties (FD's) of our constitution.
- CO3 know about our Union Government, political structure & codes, procedures.
- CO4 Understand our State Executive & Elections system of India.
- CO5 Remember the Amendments and Emergency Provisions, other important provisions given by the constitution.

**Suggested Learning Resources:****Textbook:**

1. **“Constitution of India” (for Competitive Exams)** - Published by Naidhruva Edutech Learning Solutions, Bengaluru. – 2022.
2. **“Introduction to the Constitution of India”,** (Students Edition.) by Durga Das Basu (**DD Basu**): Prentice –Hall, 2008.

**Reference Books:**

- **“Constitution of India, Professional Ethics and Human Rights”** by Shubham Singles, Charles E. Haries, and et al: published by Cengage Learning India, Latest Edition – 2019.
- **“The Constitution of India”** by Merunandan K B: published by Merugu Publication, Second Edition, Bengaluru.
- **“Samvidhana Odu” - for Students & Youths by Justice HN Nagamohan Dhas, Sahayana, kerekon.**
- M.Govindarajan, S.Natarajan, V.S.Senthilkumar, **“Engineering Ethics”**, Prentice –Hall, 2004.

**Teaching-Learning Process**

These are sample Strategies, which teacher can use to accelerate the attainment of the various course outcomes and make Teaching –Learning more effective: Teachers shall adopt suitable pedagogy for effective teaching - learning process. The pedagogy shall involve the combination of different methodologies which suit modern technological tools and software's to meet the present requirements of the Global employment market.

- (i) Direct instructional method ( Low/Old Technology),
- (ii) Flipped classrooms (High/advanced Technological tools),
- (iii) Blended learning (Combination of both),
- (iv) Enquiry and evaluation based learning,
- (v) Personalized learning,
- (vi) learning through discussion,
- (vii) Following the method of expeditionary learning Tools and techniques,

**Assessment Details (CIE)**

The weightage of Continuous Internal Evaluation (CIE) is 100%. The minimum passing mark for the CIE is 40% of the maximum marks .A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject

**Continuous Internal Evaluation(CIE):****Three Unit Tests each of 25 Marks (duration 01 hour)**

- First test after the completion of 20-30 % of the syllabus
- Second test after completion of 50-60% of the syllabus
- Third test after completion of 100% of the syllabus

One Improvement test before the closing of the academic term may be conducted if necessary. However best two tests out of three shall be taken into consideration

**Two assignments each of 25 Marks**

The teacher has to plan the assignments and get them completed by the students well before the closing of the term so that marks entry in the examination portal shall be done in time. Formative (Successive) Assessments include Assignments/Quizzes/Seminars/ Course projects/Field surveys/ Case studies/ Hands-on practice (experiments)/Group Discussions/ others.. The Teachers shall choose the types of assignments depending on the requirement of the course and plan to attain the Cos and POs. (to have a less stressed CIE, the portion of the syllabus should not be common /repeated for any of the methods of the CIE. Each method of CIE should have a different syllabus portion of the course). CIE methods /test question paper is designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.

**The sum of two tests, two assignments, will be out of 100 marks and will be scaled down to 50 marks**

