

Guru Nanak Dev Engineering College, Ludhiana

An Autonomous College under UGC Act 1956

Course Code: ESC106

Course Title: Entrepreneurship and Startups

Programme: B.Tech.	L: 3 T: 0 P: 0	Credits: 3
Semester: 5/6	Theory/Practical: Theory	Teaching Hours: 45(L) hrs
Total Max. Marks: 100	Continuous Assessment (CA) Marks: 40	End Semester Examination (ESE) Marks: 60
Minimum Percentage of Numerical / Design / Programming Problems in ESE: Nil		
Duration of End Semester Examination (ESE): 3 hours		
Course Type: Core Course		

Prerequisites (if any): NIL

Additional Material Allowed in ESE: NIL

On completion of the course, the student will have the ability to:

CO#	Course Outcomes
1	Comprehend concept and theories of entrepreneurship and its role in economic development.
2	Develop business plan and identify the reasons of failure of business plans.
3	Illustrate the steps in starting MSME.
4	Comprehend government policies and regulatory framework available in India to facilitate the process of entrepreneurial development.
5	Understand the contemporary issues of sustainable development; Identify different sources of finance for new enterprises and assess the role of financial institutions and various government schemes in entrepreneurial development
6	Assess the role of financial institutions and various government schemes in entrepreneurial development

Contents

Part A

Unit-1 Basics of Entrepreneurship

8(L) hrs

Concept of Entrepreneurship, Theories of Entrepreneurship, Myths about Entrepreneurship, Entrepreneurial Traits and Motivation, Role of Entrepreneurship in economic development. Types of Entrepreneurs. Barriers in the way of Entrepreneurship. Entrepreneurship Development (ED) Cycle. Entrepreneurship development programmes (EDP).

Unit-2 Identification of Investment Opportunities

10(L) hrs

Creativity and Business Ideas, Blocks to creativity. Business Plans and reasons of failure of business plans. Micro-Small-Medium Enterprise (MSME) & its role in developing countries- Steps and problems for starting. Government policies for industry and regulatory framework, foreign collaboration and investment. Scouting for project ideas, preliminary screening & pilot run /prototype modeling.

Unit-3 Market and Demand Analysis

7(L) hrs

Information required for market and demand analysis, market survey, demand forecasting, uncertainties in demand forecasting.

Part B

1 of 2

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Unit-4 EDP in India, South Asia and World programs

9(L) hrs

Phases of Entrepreneurial – Government Policies & Initiatives, Administrative Frame work, Policy instruments, Statutory Boards, Industrial Estates, Industrial clusters, Incentives and subsidies, Promotional agencies, Business Incubators & Start-ups.

Unit-5 Financial Management

11(L) hrs

Cost estimation, Types of capital, Budget Management, Bridge capital, Seed capital assistance, Margin money scheme, Industrial Sickness, Causes Remedies- An overview on the roles of institutions/schemes in entrepreneurial development- SIDBI, Commercial Banks, Other financing options- venture capital, lease funding, Angel Investors, Revival, Exit and End to a venture.

Text Books

1. A. Kumar, "Entrepreneurship", Pearson, New Delhi, 2018.
2. V. B. Nanda Gopal, "Entrepreneurial Development", Vikas Publishing, New Delhi, 2015.
3. V. Desai, "Dynamics of Entrepreneurial Development & Management", Himalaya Publishing House.

Reference Books

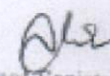
1. S.S.Khanka, "Entrepreneurial Development", S.Chand & Co., New Delhi.
2. Patricia G. Greene and Mark P. Rice, "Entrepreneurship education", Edward Elgar Publishing, 2007.

Online Learning Materials

1. <https://www.efmdglobal.org/wp-content/uploads/The-Entrepreneurs-Guide-to-Building-a-Successful-Business-2017.pdf>
Accessed on 02 May, 2025

Supplementary SWAYAM Course

Sr. No.	Course Name	Instructor	Host Institute	URL
1	Entrepreneurship	Prof. C Bhaktavatsala Rao	IIT Madras	https://onlinecourses.nptel.ac.in/noc25_mg81/preview


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Guru Nanak Dev Engineering College, Ludhiana

An Autonomous College under UGC Act 1956

Course Code:MC102

Course: Essence of Indian Knowledge Tradition

Programme: B.Tech.	L: 2T:0 P: 0	Credits: 0
Semester: 5/6	Theory/Practical: Theory	Teaching Hours: 30(L) hrs
Total Max. Marks: 50	Continuous Assessment (CA) Marks: 50	End Semester Examination (ESE) Marks: NA
Minimum Percentage of Numerical / Design / Programming Problems in ESE: Nil		
Duration of End Semester Examination (ESE): NA		
Course Type: Core Course		

On completion of the course, the student will have the ability to:

CO#	Course Outcomes
1	Understand the rich heritage of Indian Knowledge Systems (IKS).
2	Explore the contributions of IKS to various fields, including science, technology, engineering, and mathematics.
3	Foster an appreciation for the cultural and societal values embedded in IKS.
4	Evaluate contribution of ancient Indian scholars in various disciplines – arts, science, Mathematics, medicine, engineering and technology.
5	Elucidate the legacy and essence of IKS.

Contents

PART A

Unit-1 Introduction to Indian Knowledge System (IKS)

6(L) hrs

Concept, scope and objectives of IKS, Historical context and evolution of major Indian knowledge traditions (IKT), Different streams of IKT, Role of IKT in shaping Indian society and education. Relevance of IKS in a globalised, knowledge-based society.

Unit-2 Indian Contributions to Science, Technology, Engineering and Mathematics

8(L) hrs

Ancient Indian advancements in mathematics: Sulbha Sutras, Zero, Decimal System, Algebra. Astronomy: Aryabhata, Varahamihira, Panchanga systems. Metals and metalworking technology: Iron pillar, Zinc distillation, Wootz steel. Town planning and architecture: Harappan town planning, temple architecture. Water management: Stepwells, tanks, canals, and irrigation systems in Punjab. Integration of traditional knowledge with modern technology.

PART B

Unit-3 IKS in Health, and Environmental Sustainability

5(L) hrs

Ayurveda: Principles, Diagnostic tools, Integrative healthcare. Yoga and meditation: Scientific basis and global relevance. Traditional ecological knowledge: the Panchabhutas, sustainable living, sacred groves and traditional management systems.

Unit-4 IKS in Society and Culture

6(L) hrs

Indian philosophical systems and their influence on social fabric. Indian cosmology and understanding of the universe. Linguistics: Panini's grammar, Sanskrit and Prakrit traditions. Contributions to literature, arts, music and dance. Ethical and moral values in IKT. Traditional systems of governance and public administration.

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Unit-5 Case Studies, Research and Applications

5(L) hrs

Contemporary applications of IKS in engineering, healthcare, environment, and design. Case studies- CSIR-TKDL (Traditional Knowledge Digital Library), and Ayurgenomics. Multidisciplinary research frontiers involving IKS, Future directions of IKS and integration with modern innovation systems.

Text Books

1. B. Mahadevan, Vinayak Rajat Bhat, and Nagendra Pavana R. N., "Introduction to Indian Knowledge System: Concepts and Applications", PHI Learning Pvt. Ltd., Delhi, 2025.
2. Nitin Singhanla, "Indian Art and Culture", 4th Edition, McGraw Hill Publication, 2022-2023.

Reference Books

1. Omprakash Mishra, "Essence of Indian Traditions", 2nd Edition, Khanna Publishers, 2021.
2. Fritjof Capra, "Tao of the Physics", 3rd Edition, HarperCollins Publishers, 2007.

Online Learning Materials

1. <https://www.education.gov.in/nep/indian-knowledge-systems> Accessed on 11th June, 2025
2. https://onlinecourses.swayam2.ac.in/imb23_mg53/preview Accessed on 11th June, 2025
3. https://onlinecourses.swayam2.ac.in/imb24_mg21/preview Accessed on 11th June, 2025
4. https://onlinecourses.swayam2.ac.in/imb24_mg20/preview Accessed on 11th June, 2025

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Guru Nanak Dev Engineering College, Ludhiana
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B.Tech. Civil Engineering

Course Code: MC103/BCEXXX/BCAXXX
Course Title: Disaster Management and Preparedness

Programme: B.Tech.	L: 2 T: 0 P: 0	Credits: 0
Semester: 5th/ 6th	Theory/Practical: Theory	Teaching Hours: 30(L)+0(T)+0(P) = 30hrs
Total Max. Marks: 50	Continuous Assessment (CA) Marks: 50	End Semester Examination (ESE) Marks: Nil
Minimum Percentage of Numerical / Design / Programming Problems in ESE: Nil		
Duration of End Semester Examination (ESE): Nil		
Course Type: Mandatory Course (Non-Credit)		

Prerequisites (if any): NIL

Additional Material Allowed in ESE: NIL

On completion of the course, the student will have the ability to:

CO#	Course Outcomes
1	Explain the fundamental concepts of disaster management, including hazards, vulnerabilities, risks, capacities, impacts, prevention, and mitigation strategies.
2	Classify the various natural and human-induced disasters for preparing the hazard and vulnerability profile of India.
3	Assess the environmental, social, economic, health, and demographic impacts of disasters to perform basic vulnerability and risk assessment for disaster-prone areas.
4	Apply the principles of the disaster management cycle for effective disaster risk reduction.
5	Describe the role of modern technologies in disaster prediction, monitoring, and management.
6	Demonstrate awareness of disaster management practices for various stakeholders in building resilient and sustainable communities.

Contents

Part-A

Unit I: Introduction to Disaster Management (2 Hours)

Concepts and definitions of disaster, hazard, vulnerability, emergency and risk; severity, frequency and exposure of hazards; capacity, resilience and impacts of disasters; principles of prevention, preparedness and mitigation for reducing disaster risks

Unit-II: Classification of Disasters (6 Hours)

Classification of disasters: natural disasters including floods, droughts, cyclones, earthquakes, tsunamis, landslides, volcanic eruptions, coastal erosion, soil erosion and forest fires; human-induced disasters such as industrial accidents, chemical spills, nuclear and radiological emergencies, transportation accidents, urban flooding and terrorist activities; hazard and vulnerability profile of India with special emphasis on mountain regions, coastal areas and ecologically fragile zones

Unit-III: Disaster Impacts and Risk Assessment

(8 Hours)

Environmental, physical, social, ecological, economic and political impacts of disasters; health and psychosocial consequences; demographic considerations including gender, age and special-needs groups; global and national disaster trends; climate change and urban disasters; concepts of vulnerability analysis, risk assessment and risk mapping; stages of disaster recovery and associated challenges.

Part-B

Unit-IV: Disaster Risk Reduction and Management

(7 Hours)

Disaster management cycle and its phases including prevention, mitigation, preparedness, response, relief, recovery and rehabilitation; structural and non-structural mitigation measures; risk analysis, vulnerability and capacity assessment; early warning systems; post-disaster environmental response including water supply, sanitation, food safety, waste management, disease control, communication and security; emergency medical and public health services; reconstruction and rehabilitation; capacity building and gender-sensitive approaches; roles and responsibilities of government agencies, local institutions, communities, NGOs, media and insurance sector; disaster management policies, legislation and program in India with reference to the National Disaster Management Authority.

Unit-V: Application of Science and Technology in Disaster Management

(4 Hours)

Role of Geographic Information System (GIS), Remote Sensing, Global Positioning System (GPS), Internet of Things (IoT), Artificial Intelligence (AI), drones and mobile applications in disaster prediction, monitoring and management; disaster communication systems and dissemination of early warning information; knowledge-based expert systems and risk-time charts; influence of developmental projects, land-use changes and urbanization on vulnerability; Sustainable Development Goals (SDGs), disaster resilience, reconstruction and resilient development strategies.

Unit-VI: Accessibility and Inclusive Disaster Management

(3 Hours)

Accessibility in disaster preparedness, mitigation, response and reconstruction; inclusive emergency planning and evacuation measures; emergency services and communication systems for persons with disabilities and vulnerable populations; universal accessibility and resilient community development for achieving inclusive and sustainable disaster management.

Text Books/ Reference:

1. S.C. Sharma, Disaster Management, Khanna Publishing House, 2022.
2. <http://ndma.gov.in> (Home page of National Disaster Management Authority)
3. <http://www.ndmindia.nic.in> (National Disaster Management in India, Ministry of Home Affairs).
4. Pradeep Sahni, 2004, Disaster Risk Reduction in South Asia, Prentice Hall.
5. Singh B.K., 2008, Handbook of Disaster Management: Techniques & Guidelines, Rajat Publication.
6. Singh Jagbir, Disaster Management – Future Challenges & Opportunities, I.K. International Publishing House.
7. Ghosh G.K., 2006, Disaster Management, APH Publishing Corporation.
8. Disaster Medical Systems Guidelines. Emergency Medical Services Authority, State of California, EMSA no.214, June 2003
9. Inter-Agency Standing Committee (IASC) (Feb. 2007). IASC Guidelines on Mental Health and Psychosocial Support in Emergency Settings. Geneva: IASC.

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Unit-3: Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship [7 Hours]

Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values of relationship. Understanding the meaning of Trust; Difference between intention and competence, Understanding the meaning of Respect, Difference between respect and differentiation; the other salient values in relationship. Understanding the harmony in the society (society being an extension of family): Resolution, Prosperity, fearlessness (trust) and co-existence as comprehensive Human Goals, Visualizing a universal harmonious order in society- Undivided Society, Undivided Society, Universal Order- from family to world family.

Include practice sessions to reflect on relationships in family, hostel and institute as extended family, real life examples, teacher-student relationship, goal of education etc. Gratitude as a universal value in relationships. Discuss with scenarios. Elicit examples from students' lives.

Unit-4: Understanding Harmony in Nature and Existence – Coexistence [5 Hours]

Understanding the harmony in the Nature, Understanding Existence as Co-existence of mutually interacting units in all- pervasive space Holistic perception of harmony at all levels of existence.

Include practice sessions to discuss human being as cause of imbalance in nature (film "Home" can be used), pollution, depletion of resources and role of technology etc.

Unit-5: Implications of the Holistic Understanding of Harmony on Professional Ethics [4 Hours]

Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of peoplefriendly and eco -friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems, Case studies of typical holistic technologies, management models and production systems. Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as socially and ecologically responsible engineers, technologists and managers b. At the level of society: as mutually enriching institutions and organizations

Include practice Exercises and Case Studies to discuss the conduct as an engineer or scientist etc.

Text Books:

1. Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria, Excel Books New Delhi, 2010

Reference Books

1. Jeevan Vidya: Ek Parichaya, A Nagaraj, Jeevan Vidya Prakashan, Amarkantak, 1999.
2. Human Values, A.N. Tripathi, New Age Intl. Publishers, New Delhi, 2004.
3. The Story of Stuff (Book).
4. The Story of My Experiments with Truth - by Mohandas Karamchand Gandhi
5. Small is Beautiful - E. F Schumacher.
6. Slow is Beautiful - Cecile Andrews
7. Economy of Permanence - J C Kumarappa
8. Bharat Mein Angreji Raj - Pandit Sunderlal

Online Learning Materials

https://drive.google.com/file/d/1uKBwRXgHEJFNT0_GvXF1woyDUJdWYe2/view?usp=sharing

Accessed on June 11, 2025

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Course Code:HSMC104

Course Title: Universal Human Values: Understanding Harmony

Programme: B.Tech.	L: 2T:0P: 0	Credits:2
Semester: 4/6	Theory/Practical: Theory	Teaching Hours: 30(L) hrs
Total Max. Marks: 100	ContinuousAssessment (CA)Marks: 40	End Semester Examination (ESE) Marks: 60
Minimum Percentage of Numerical / Design / Programming Problems in ESE: Nil		
Duration of End Semester Examination (ESE):3 hours		
Course Type: Core Course		

On completion of the course, the student will have the ability to:

CO#	Course Outcomes
1	Conduct self-exploration and distinguish between values and skills, happiness and accumulation of physical facilities, the self and the body, Intension and Competence of an individual
2	Analyze the value of harmonious relationship based on trust and respect in personal and professional life
3	Examine the role of a human being in ensuring harmony in society and nature
4	Understanding (or developing clarity) of the harmony in the nature and their coexistence
5	Apply the understanding of ethics in life and profession

Contents

PART A

Unit-1: Need, Basic Guidelines, Content and Process for Value Education [7 Hours]

Purpose and motivation for the course, Self-Exploration-what is it? - Its content and process; 'Natural Acceptance' and Experiential Validation as the process for self-exploration, Continuous Happiness and Prosperity- A look at basic Human Aspirations, Right understanding, Relationship and Physical Facility- the basic requirements for fulfilment of aspirations of every human being with their correct priority, Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario, Method to fulfil the above human aspirations: understanding and living in harmony at various levels.

Include practice sessions to discuss natural acceptance in human being as the innate acceptance for living with responsibility (living in relationship, harmony and co-existence) rather than as arbitrariness in choice based on liking-disliking.

Unit-2: Understanding Harmony in the Human Being - Harmony in Myself! [7 Hours]

Understanding human being as a co-existence of the sentient 'I' and the material 'Body', Understanding the needs of Self ('I') and 'Body' - happiness and physical facility, Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer), Understanding the characteristics and activities of 'I' and harmony in 'I', Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail, Programs to ensure Sanyam and Health.

Include practice sessions to discuss the role others have played in making material goods available to me. Identifying from one's own life. Differentiate between prosperity and accumulation. Discuss program for ensuring health vs dealing with disease.

PART B

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Unit-3: Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship [7 Hours]

Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfilment to ensure mutual happiness; Trust and Respect as the foundational values of relationship. Understanding the meaning of Trust; Difference between intention and competence, Understanding the meaning of Respect, Difference between respect and differentiation; the other salient values in relationship. Understanding the harmony in the society (society being an extension of family); Resolution, Prosperity, fearlessness (trust) and co-existence as comprehensive Human Goals, Visualizing a universal harmonious order in society- Undivided Society, Undivided Society, Universal Order- from family to world family.

Include practice sessions to reflect on relationships in family, hostel and institute as extended family, real life examples, teacher-student relationship, goal of education etc. Gratitude as a universal value in relationships. Discuss with scenarios. Elicit examples from students' lives.

Unit-4: Understanding Harmony in Nature and Existence – Coexistence [5 Hours]

Understanding the harmony in the Nature, Understanding Existence as Co-existence of mutually interacting units in all- pervasive space Holistic perception of harmony at all levels of existence.

Include practice sessions to discuss human being as cause of imbalance in nature (film "Home" can be used), pollution, depletion of resources and role of technology etc.

Unit-5: Implications of the Holistic Understanding of Harmony on Professional Ethics [4 Hours]

Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of peoplefriendly and eco -friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems, Case studies of typical holistic technologies, management models and production systems. Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as socially and ecologically responsible engineers, technologists and managers b. At the level of society: as mutually enriching institutions and organizations Include practice Exercises and Case Studies to discuss the conduct as an engineer or scientist etc.

Text Books:

1. Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria, Excel Books New Delhi, 2010

Reference Books

1. Jeevan Vidya: Ek Parichaya, A Nagaraj, Jeevan Vidya Prakashan, Amarkantak, 1999.
2. Human Values, A.N. Tripathi, New Age Intl. Publishers, New Delhi, 2004.
3. The Story of Stuff (Book).
4. The Story of My Experiments with Truth - by Mohandas Karamchand Gandhi
5. Small is Beautiful - E. F Schumacher.
6. Slow is Beautiful - Cecile Andrews
7. Economy of Permanence - J C Kumarappa
8. Bharat Mein Angreji Raj – Pandit Sunderlal

Online Learning Materials

https://drive.google.com/file/d/1uKBwRXgHEJFNT0_GvXF1woyDUJdWYe2/view?usp=sharing

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Course Code: HSMC103

Course Title: Business Essentials for Engineers

Program: B.Tech.	L: 2 T: 0 P: 0	Credits: 2
Semester: 3/4Sem	Theory/Practical: Theory	Teaching Hours: 30 hrs
Total Max. Marks: 100	Continuous Assessment (CA) Marks: 40	End Semester Examination (ESE) Marks: 60
Minimum Percentage of Numerical / Design / Programming Problems in ESE: NIL		
Duration of End Semester Examination (ESE): 3 hours		
Course Type: Core Course		

Prerequisites: NIL

Additional Material required in ESE: NIL

On completion of the course, the student will have the ability to:

CO#	Course Outcomes
1	Introduce engineering students to the fundamentals of business and management.
2	Provide an understanding of core functional areas like finance, HRM, and marketing.
3	Equip students with practical business knowledge that complements technical skills.
4	Enable students to understand the interdisciplinary nature of business in the Indian context.
5	Prepare students for managerial roles or entrepreneurial ventures.

Contents

PART-A

UNIT-I

7(L) Hrs

Business Landscape: Understanding the Indian Business System, Business Environment and Its Dynamic Nature, (Macro and Micro), Forms of business organizations in India, Introduction to management Functions and level, Business Ethics and Responsibility, need and scope. Business in Global Context.

UNIT-II

8(L) Hrs

Building and Leading Teams: Managing the Business Enterprise and its resources, Managing Human Resources, Recruiting and training the workforce, Motivating, Satisfying and Leading Employees, Human Resource Management: Meaning, importance and functions, Performance appraisal and compensation. Career development of the employees.

PART-B

UNIT-III

7(L) Hrs

Financial Foundations: Understanding Basic accounting principles and financial statements, Time value of money and its applications, Costing and budgeting: Basic concepts, Sources of finance for startups and Small and Medium Enterprises, Money and banking, Financial Decisions, Sources of finance and associated risks, basic concepts of Investments.

UNIT-IV

8(L) Hrs

Marketing Strategies: Marketing Fundamentals, Developing Products (Nature and types of products), Branding and its importance, Marketing mix, nature and its scope. Pricing methods, Promotion and Product distribution. Emerging concepts in marketing, Marketing research and analytics.

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Text Books

1. Dr. C.B. Gupta, "Business Organisation and Management", 20th Edition, Sultan Chand & Sons, 2022.
2. I.M. Pandey, "Financial Management", 12th Edition, Vikas Publishing, 2021
3. Philip Kotler & Kevin Lane Keller, "Marketing Management", 15th Global Edition, Pearson Education, 2022.

Reference Books

1. Ebert and Griffin, "Business Essentials", 12th edition, Pearson, 2018.

Online Learning Materials

https://archive.org/details/isbn_9780132664097/page/n9/mode/2up

Accessed on 2nd May, 2025

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Guru Nanak Dev Engineering College, Ludhiana

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Course Code: MC101

Course Title: Indian Constitution

Programme: B.Tech.	L: 2 T: 0 P: 0	Credits: 0
Semester: 3/4	Theory/Practical: Theory	Teaching Hours: 30 hrs
Total Max. Marks: 50	Continuous Assessment (CA) Marks: 50	End Semester Examination (ESE) Marks: NA
Minimum Percentage of Numerical / Design / Programming Problems in ESE: Nil		
Duration of End Semester Examination (ESE): NA		
Course Type: Core Course		

Prerequisites: NIL

Additional Material required in ESE: NIL

On completion of the course, the student will have the ability to:

CO#	Course Outcomes
1	Acquaint with legacies of constitutional development in India and help those to understand the most diversified legal document of India and Philosophy behind it.
2	Explain the Preamble & Directive principles of State Policy.
3	Recognize Fundamental Rights and duties.
4	Describe the structure of the Union Government and outline the role of President, Vice President, Prime Minister and Council of Ministers.
5	Describe the structure of State Government and analyze the role of Governor and Chief Minister, Election Commissioner.
6	Comprehend emergency provision as well as the latest amendments of the Constitution.

Contents

Unit 1: Introduction

4(L) hrs

Evolution and historical background of the Indian Constitution, Salient features of the Indian Constitution, The Preamble: Philosophy and significance

Unit 2: Rights & Duties

6(L) hrs

Fundamental Rights: Overview of six fundamental rights (Article 12 to 35), Right to Education (Article 21A), Right to Constitutional Remedies (Article 32), Directive Principles of State Policy: Meaning, classification, and significance, Fundamental Duties: Eleven duties enshrined in Article 51A

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Unit 3: Executive and Legislative Structures

5(L) hrs

Union Executive: President, Vice-President, Prime Minister, and Council of Ministers – Powers and functions, **State Executive:** Governor, Chief Minister, and Council of Ministers – Powers and functions, Administrative relations between the Union and the States

Unit 4: Parliament and State Legislatures

5(L) hrs

Union Legislature: Lok Sabha and Rajya Sabha – Composition, Eligibility, duration, and functions, **State Legislature:** Vidhan Sabha and Vidhan Parishad – Composition, Eligibility, duration, and functions, Legislative relations between Union and States

Unit 5: Judiciary System in India

5(L) hrs

Supreme Court of India: Composition, jurisdiction, and powers, **High Courts:** Composition, jurisdiction, and powers

Unit 6: Emergency and Amendment Provisions

5(L) hrs

Types of Emergencies: National, State (President's Rule), and Financial Emergency – Conditions, process, and impact, Amendment of the Constitution: Procedure under Article 368 and significance

Text Books

1. Durga Das Basu, "Introduction to The Constitution of India", 26th Edition, Lexis Nexis, 2022.
2. M. Laxmikanth, "Indian Polity", Standard Edition, McGraw Hill, 2023.
3. Subhash C Kashyap, "Our Constitution: An Introduction to India's Constitution and Constitutional Law", 27th Edition, Lexis Nexis 2024
4. J.N. Pandey, "Constitutional Law of India", 6th Edition, Central Law Agency, 2024.

Reference Books

1. D.C. Gupta, "Indian Government and Politics", 8th Edition, Vikas Publishing, 2018.
2. H.M. Seervai, "Constitutional Law of India", 4th Edition, Law & Justice Publishing, 2021.
3. V.N. Shukla, Constitution of India, 10th Edition, Eastern Book Company, 2006.
4. Bare Act – *The Constitution of India*

Online Learning Materials

1. https://mrcet.com/downloads/digital_notes/EEE/24082023/INDIAN%20CONSTITUTION%20DIGITAL%20NOTES.pdf Accessed on June 11, 2025
2. https://www.kpscvaani.com/media/study_materials/Indian%20Constitution/Indian%20Constitution/Indian_Constitution_r8nYyhV.pdf Accessed on June 11, 2025

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Supplementary SWAYAM Course

Sr. No.	Course Name	Instructor	Host Institute	URL
1	Constitutional Studies	Prof. Sudhir Krishnaswamy	National Law School of India University	https://onlinecourses.nptel.ac.in/noc20_lw03/preview
2	Constitution Law and Public Administration in India	Prof. Sairam Bhat	IIT Madras	https://nptel.ac.in/courses/129106411
3	Directive Principles of State Policy and Fundamental Duties: Constitutional Imperative	Prof. Uday Shankar	IIT Kharagpur	https://nptel.ac.in/courses/129105608


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