

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme		Bachelor of Technology			Branch/Spec.		Biomedical Engineering		
Semester		VII			Version		1.0.0.0		
Effective from Academic Year			2025-2026		Effective for the batch Admitted in			July 2022	
Subject code		2BT7104		Subject Name		Entrepreneurship Development			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	3	-	-	-	3	Theory	40	60	100
Hours	3	-	-	-	3	Practical	-	-	-
Pre-requisites									
Basic knowledge of control systems, engineering mathematics, and introductory concepts of business and management.									
Course Outcomes									
On successful completion of the course, the students will be able to:									
CO1	Identify Control system with and without feedback and control system components.								
CO2	Analyze characteristics of physical systems with Mathematical model.								
CO3	Evaluate system performance parameters and explain the behavior of closed loop systems in time domain and frequency domain.								
CO4	Discuss the system stability performance with Root Locus, Routh Hurwitz, Bode plot, Polar plot and Nyquist criteria.								
CO5	Understand the concepts, nature, scope, and philosophy of entrepreneurship, and distinguish between self-employment and entrepreneurship.								
CO6	Analyze various types of business organizations (sole proprietorship, partnership, limited companies) and evaluate the role of different agencies in supporting entrepreneurial ventures.								
Theory syllabus									
Unit	Content								Hrs.
1	TOTAL QUALITY MANAGEMENT: Introduction, Concept, Role and its Impotence, Contribution of management Thinker in Quality Delivery Market, Core Concept of Total Quality Management: Quality of Profit, Cost and Economics of Quality, Competiting Branch Market and Quality Delivery Market								8
2	TOOLS AND TECHNIQUES OF TOTAL QUALITY MANAGEMENT: Technique for Analyzing Quality Process, Statistical Process Control, Problem Solving Tools								8
3	INFORMATION SYSTEM AND TECHNOLOGY: Basic concept, Types, Information System Organization, Information Management and decision making, Total Quality Management: ISO-9000-2000, 9001-9004, ISO-14000, HACCP, Role of regulatory agencies -FDA FAO, TFA, BIS								10
4	ENTREPRENEURSHIP: Concept, nature, scope and philosophy of entrepreneurship - Distinction between self-employment and entrepreneurship, Importance of entrepreneurship and self-employment in India. Context, entrepreneurial traits, small business strategic planning, Pricing and promotion, Franchising.								9
5	CONCEPT OF VARIOUS TYPES OF BUSINESS ORGANIZATION: Sole proprietorship, partnership, cooperation society, private and public limited companies, institutions support for establishment of self employment and entrepreneurial ventures, role of various agencies, performance parameters.								10
Text Books									
1	Total Quality Management by Feighan Baun. Pub.: McGraw-Hill Inc.								
2	Total Quality Management by Duncan, Pub.: Pearson Education								
3	Entrepreneurship Development by Khanka S.S. Pub.: S Chand Publishing								
Reference Books									
1	The Lean Startup by Eric Ries. Pub.: Crown Business								
2	Zero to One by Peter Thiel. Pub.: Crown Business								

3	Start with Why by Simon Sinek. Pub.: Portfolio
ICT References	
1	https://elearn.nptel.ac.in/shop/nptel/entrepreneurship/?v=c86ee0d9d7ed
2	https://archive.nptel.ac.in/courses/110/106/110106141/

Mapping of CO with PO and PSO:															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	1	2	1	1	1	1	2	1	1	1	0	0
CO2	3	3	3	2	3	2	1	1	1	2	2	1	1	1	1
CO3	3	3	3	3	3	2	2	2	1	2	2	1	1	0	0
CO4	2	2	3	3	3	2	2	1	1	2	2	1	1	0	0
CO5	1	1	2	1	1	3	2	1	3	2	3	1	0	3	3
CO6	2	1	2	2	2	3	3	2	3	3	2	2	1	3	3