

Programme	B.Sc. IT Honours (Cyber Security)				Branch	Computer Applications			
Semester	V				Version	1.0.0.0			
Effective from Academic Year			2026-27		Effective for the batch Admitted in			June 2024	
Subject code		U65E6EP		Subject Name		ENTREPRENEURSHIP			
Teaching scheme					Examination scheme(Marks)				
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CCE	SEE	Total
	L	TU	P	TW					
Credit	2	-	-	-	2	Theory	25	25	50
Hours	2	-	-	-	2				

Objective:

To develop entrepreneurial thinking in tech students by transforming coding skills into innovative start-up ideas within the Indian start-up ecosystem.

Pre-requisites:

Basic knowledge of IT concepts, coding skills, and an interest in innovation or problem-solving.

Learning Outcome:

Name of CO	Description
CO1	Understand the concept of entrepreneurship and its significance in the IT field.
CO2	Identify key elements of the Indian start-up ecosystem and government support schemes for tech ventures.
CO3	Apply creative thinking techniques to generate and develop innovative tech-based ideas.
CO4	Develop a basic business model and identify common reasons for tech start-up failures.
CO5	Create and present a feasible tech-based business plan with a prototype and effective pitch.

Mapping of CO and PO:

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	2	2	1	1	2	1	2
CO2	2	2	2	1	2	2	2	2	1	2	1	3
CO3	1	2	2	1	3	2	2	2	2	2	2	3
CO4	1	2	3	1	2	2	2	2	2	2	2	3
CO5	2	2	3	2	3	2	2	3	3	3	3	3

Content:

Unit	Content	Hrs.
1	<p>Basics of Entrepreneurship</p> <p>What is Entrepreneurship? (Definition and simplified concept)</p> <p>Why Entrepreneurship matters for IT professionals</p> <p>Traits of a successful entrepreneur in the tech world</p> <p>Entrepreneur vs. Freelancer vs. Employee</p> <p>Entrepreneurial mindset for students for IT field</p> <p>Role of technology in modern entrepreneurship</p>	06
2	<p>Start-up Ecosystem in India</p> <p>What is a Start-up? Why now?</p> <p>India's digital start-up boom</p> <p>Basic understanding of how a tech start-up is born and scaled</p> <p>Startup ecosystem: Incubators, accelerators, mentors, funding (simple explanation)</p> <p>Government support schemes for tech start-ups:</p> <p>Startup India</p> <p>Atal Innovation Mission</p>	06

	<p>PM Mudra Yojana (for small tech businesses) SIDBI Scheme (tech start-up funding)</p> <p>Activities: Explore a real Indian IT start-up and present its growth story Matchmaking activity: "Which scheme suits your idea?"</p>	
3	<p>Innovation, Creativity & Idea Generation What is Innovation? Real-life IT-based examples Thinking creatively as a tech developer or coder Simple techniques to generate new ideas: Brainstorming Brain writing Free Association Common creative blocks for tech students and how to overcome them</p> <p>Activities: Brainstorm app ideas that solve a real student problem Group activity: Build a simple prototype or wireframe on paper</p>	06
4	<p>From Idea to Business Model What is a Business Model? (For apps, software, IT services) Business Model Canvas explained simply for students Lean Startup basics – build, test, learn MVP (Minimum Viable Product) for tech ideas Why do start-ups fail? Common tech start-up mistakes</p> <p>Activities: Fill out a Business Model Canvas for your idea Discussion: Analyze a failed start-up case in tech</p>	06
5	<p>Project Planning & Final Presentation What makes a good tech-based business plan? Understanding simple feasibility: Market, Tech, and Basic Finance (in student-friendly terms) Elements of a basic business/project report Presentation and pitching skills for tech entrepreneurs Showcasing prototypes and app/website demos</p> <p>Activities: Prepare and present a 5-minute tech start-up pitch (group-based) Submit a mini business/project plan with key details</p>	06
Practical Content:		

Reference Books:		
1	Drucker, Peter F. <i>Innovation and Entrepreneurship</i> , HarperBusiness, (1985).	
2	Ries, Eric. <i>The Lean Startup: How Today's Entrepreneurs Use Continuous Innovation to Create Radically Successful Businesses</i> , Crown Business, (2011).	
3	Thiel, Peter, with Masters, Blake. <i>Zero to One: Notes on Startups, or How to Build the Future</i> , Crown Publishing Group, (2014).	
Web Reference:		
1	Startup India Official Website https://www.startupindia.gov.in	
2	Atal Innovation Mission (AIM) – NITI Aayog https://aim.gov.in	
3	SIDBI – Small Industries Development Bank of India https://www.sidbi.in/en/products/schemes-for-startups	
MOOC/Certificate Course:		
1	"How to Start Your Own Business" – Coursera (by Michigan State University) https://www.coursera.org/learn/how-to-start-a-business	
2	"StartUp India Learning Program" – UpGrad (Free Govt. Certified) https://www.startupindia.gov.in/content/sih/en/startup-scheme/startup-india-learning-program.html	
3	"Entrepreneurship in Emerging Economies" – edX (by Harvard University) https://online-learning.harvard.edu/course/entrepreneurship-emerging-economies	
Question Paper Scheme:		
	End Semester Examination Duration: (1 Hour Theory Examination)	
	Note for Examiner: -	
	Q-1 Any one out of Two (05 Marks)	

Q-2 Any one out of Two (05 Marks)

Q-3 Any one out of Two (05 Marks)

Q-4 Any one out of Two (05 Marks)

Q-5 Any one out of Two (05 Marks)

*The question paper must comprehensively address all Course Outcomes (COs), align with Bloom's Taxonomy levels, and ensure complete syllabus coverage.