



<b>Programme</b>	B.Sc. IT Honours (Data Science)			<b>Branch</b>	Computer Applications				
<b>Semester</b>	V			<b>Version</b>	1.0.0.0				
<b>Effective from Academic Year</b>	2026-27			<b>Effective for the batch Admitted in</b>	June 2024				
<b>Subject code</b>	U75E6EP		<b>Subject Name</b>	ENTREPRENEURSHIP					
<b>Teaching scheme</b>				<b>Examination scheme(Marks)</b>					
<b>(Per week)</b>	<b>Lecture (DT)</b>		<b>Practical (Lab.)</b>		<b>Total</b>		<b>CCE</b>	<b>SEE</b>	<b>Total</b>
	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	<b>Basics of Entrepreneurship</b> What is Entrepreneurship? (Definition and simplified concept) Why Entrepreneurship matters for IT professionals Traits of a successful entrepreneur in the tech world Entrepreneur vs. Freelancer vs. Employee Entrepreneurial mindset for students for IT field Role of technology in modern entrepreneurship	06
2	<b>Start-up Ecosystem in India</b> What is a Start-up? Why now? India's digital start-up boom Basic understanding of how a tech start-up is born and scaled Startup ecosystem: Incubators, accelerators, mentors, funding (simple explanation)  <b>Government support schemes for tech start-ups:</b>	06

	<p>Startup India Atal Innovation Mission PM Mudra Yojana (for small tech businesses) SIDBI Scheme (tech start-up funding)</p> <p><b>Activities:</b> Explore a real Indian IT start-up and present its growth story Matchmaking activity: "Which scheme suits your idea?"</p>	
3	<p><b>Innovation, Creativity &amp; Idea Generation</b> 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><b>Activities:</b> Brainstorm app ideas that solve a real student problem Group activity: Build a simple prototype or wireframe on paper</p>	06
4	<p><b>From Idea to Business Model</b> 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><b>Activities:</b> Fill out a Business Model Canvas for your idea Discussion: Analyze a failed start-up case in tech</p>	06
5	<p><b>Project Planning &amp; Final Presentation</b> 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><b>Activities:</b> Prepare and present a 5-minute tech start-up pitch (group-based) Submit a mini business/project plan with key details</p>	06
<b>Practical Content:</b>		
---		
<b>Reference Books:</b>		
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).	
<b>Web Reference:</b>		
1	Startup India Official Website <a href="https://www.startupindia.gov.in">https://www.startupindia.gov.in</a>	
2	Atal Innovation Mission (AIM) – NITI Aayog <a href="https://aim.gov.in">https://aim.gov.in</a>	
3	SIDBI – Small Industries Development Bank of India <a href="https://www.sidbi.in/en/products/schemes-for-startups">https://www.sidbi.in/en/products/schemes-for-startups</a>	
<b>MOOC/Certificate Course:</b>		
1	"How to Start Your Own Business" – Coursera (by Michigan State University) <a href="https://www.coursera.org/learn/how-to-start-a-business">https://www.coursera.org/learn/how-to-start-a-business</a>	
2	"StartUp India Learning Program" – UpGrad (Free Govt. Certified) <a href="https://www.startupindia.gov.in/content/sih/en/startup-scheme/startup-india-learning-program.html">https://www.startupindia.gov.in/content/sih/en/startup-scheme/startup-india-learning-program.html</a>	
3	"Entrepreneurship in Emerging Economies" – edX (by Harvard University) <a href="https://online-learning.harvard.edu/course/entrepreneurship-emerging-economies">https://online-learning.harvard.edu/course/entrepreneurship-emerging-economies</a>	
<b>Question Paper Scheme:</b>		
	<b>End Semester Examination Duration:</b> (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.