



**HONOURS IN INFORMATION TECHNOLOGY (HIT)  
HONOURS CURRICULUM**

S.No	Course Type	Course Code	Course Name	Credits
-	Honours Elective Courses	Elective courses (any 4 to 5 courses)		
1		U24HIT1001	Advanced Distributed Systems	15-16
2		U24HIT1002	Cyber Security and Privacy	
3		U24HIT1003	Distributed Optimization and Machine Learning	
4		U24HIT1004	Introduction to Large Language Models (LLMs)	
5		U24HIT1005	Mathematical Foundations for Machine Learning	
6		U24HIT1006	Practical Cyber Security for Cyber Security Practitioners	
7		U24HIT1007	Privacy and Security in Online Social Media	
8		U24HIT1008	Reinforcement Learning	
9		U24HIT1009	Scalable Data Science	
10		U24HIT1010	Social Network Analysis	
11		U24HIT1011	Software Project Management	
<p>I. In exigency situations such as the student already completed the listed compulsory courses(s) on his/her own interest during previous semesters through valid MOOCs etc, the HoD in consultation with Dean-AA shall offer an alternative course(s) for the specific scenario, after verification of relevant documents.</p> <p>II. By the end of April of every academic year, the department in consultation with Dean-AA, shall</p> <p>A. notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the list of courses notified under Honours curriculum</p> <p>B. propose a new course(s) in the place of any listed course(s) in the Honour curriculum, in case no equivalent course is found in MOOCs</p>				
-	Honours Laboratory Courses	Laboratory Courses (any 2 courses)		
12		U24HIT1012	Data Science Lab	2
13		U24HIT1013	Artificial Neural Networks Lab	
14		U24HIT1014	Cyber Security Lab	
15		U24HIT1015	Cryptography and Network Security Lab	
16		U24HIT1016	Cloud Computing Lab	
17	Honours Mini-project (optional)	U24HIT1017	Mini-project (optional)	2
Total Credits				18