



MINOR IN INFORMATION TECHNOLOGY (MIT)
MINOR DEGREE CURRICULUM [for branches: ECE and ECI]

S.No	Course Type	Course Code	Course Name	Credits	
1	Minor Compulsory Courses	U18MIT1001	Software Engineering	15-16	
2		U18MIT1002	Operating Systems		
3		U18MIT1003	Python		
-	Minor Elective Courses	Elective courses (any 5 to 6 courses)			
4		U18MIT1004	Google Cloud computing		
5		U18MIT1005	Deep learning		
6		U18MIT1006	Algorithms and analysis		
7		U18MIT1007	Object Oriented Analysis and Design		
8		U18MIT1008	Cloud computing		
9		U18MIT1009	Software Testing		
10		U18MIT1010	Natural Language Processing		
11		U18MIT1011	Evolutionary Algorithms for Optimization		
12		U18MIT1012	Data Mining		
13		U18MIT1013	Cryptography and Network Security		
14		U18MIT1014	Computer Networks and Internet Protocol		
15		U18MIT1015	Big Data Computing		
16		U18MIT1016	Parallel Programming in Open MP		
17		U18MIT1017	Database Management Systems		
18		U18MIT1018	Privacy and Security in Online Social Media		
<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 Minor curriculum</p> <p>B. propose a new course(s) in the place of any listed course(s) in the Minor degree curriculum, in case no equivalent course is found in MOOCs</p>					
-	Minor Laboratory Courses	Laboratory Courses (any 2 courses)			
19		U18MIT1019	Operating Systems Lab	2	
20		U18MIT1020	Database Management Systems Lab		
21		U18MIT1021	Robotic Process Automation Lab		
22		U18MIT1022	Python Programming Lab		
23	Minor Mini-project (Optional)	U18MIT1023	Mini-project (Optional)	2	
Total Credits				18	