

## Curriculum M.Tech. CPS

Cat.	Course Number, Course Title		L-T-P	Credits		Cat.	Course Number, Course Title		L-T-P	Credits
I Semester						II Semester				
C	EEL7XXo	Introduction to Cyber-Physical Systems	3-0-0	3		C	EEL7XXo	Data Communication and Networking	2-0-2	3
C	EEL7XXo	Embedded System Design	3-0-0	3		C	EEL7XXo	Advanced Control System	3-0-0	3
E	EEL7XXo	Elective	3-0-0	3		E	EEL7XXo	Elective	3-0-0	3
E	EEL7XXo	Elective	3-0-0	3		E	EEL7XXo	Elective	3-0-0	3
NG1	HSN7XXo	Non-graded course	1-0-0	S/X		NG2	HSN7XXo	Non-graded course	1-0-0	S/X
Total				12		Total				12
III Semester						IV Semester				
T	MET8XXo	Thesis		16		T	MET8XXo	Thesis		16
Total				16		Total				16

### Electives

S.No.	Course Number	Course Title	L-T-P	course credit
1		Security of CPS	2-0-0	2
2		Linear System Theory	3-0-0	3
3		Mobile Robots	3-0-0	3
4		Artificial Intelligence	3-0-0	3
5		Computer Vision	3-0-0	3
6		Machine Learning	3-0-0	3
7		Networked Dynamical Systems and Control	3-0-0	3
8		Applied Linear Algebra	3-0-0	3
9		Statistical Signal Analysis	3-0-0	3
10		Robotics	3-0-0	3
11		Deep Learning	3-0-0	3

12		Sensors and Measurement	3-0-0	3
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S.No.	Category	Course Category Title	Total Courses	Total Credits
1	C	COMPULSORY	4	12
2	E	ELECTIVES	4	12
3	NG	Non-Graded	2	0
3	T	Thesis	<b>2 (16+16)</b>	32
<i>Total</i>				<b>56</b>