

The MTech programme with Communication, Signal Processing and Machine Learning (CSPML)

The core theory courses are (6 credits each)

1. Linear Algebra and its applications
2. Embedded systems Design (new course)
3. Probability and applications
4. Multivariable Control Systems

The student has to take at least 3 out of these 4 courses to complete the core theory course requirements.

The core lab courses are (3 credits each)

1. Embedded systems Design lab (new course)
2. VLSI Simulations Lab (new course)

The student has to take at least 1 out of these 2 lab courses to complete the core lab course requirements.

Semester wise credits distribution

Semester 1	Semester 2	Semester 3	Semester 4
18 core theory credits	30 credits of electives	MTech Project I 32 credits	MTech Project II 32 credits
3 core lab credits			
4 credits seminar			
12 credits electives			
P/NP Communications skills course			

List of electives

Autumn (Odd) semester

Basket: Communication, Signal Processing and Machine learning	<ul style="list-style-type: none">• Speech Processing• Speech Processing Lab
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Spring (Even) semester

Basket: Communication, Signal Processing and Machine learning	<ul style="list-style-type: none">• Pattern Recognition and Machine learning (PRML)• PRML Lab• Detection and estimation theory• Next generation wireless networks• Wireless Communications• Neural networks and Deep learning NNDL• NNDL lab
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