UG3 – 2K18 Batch

Instructions to ECE Students for their Electives for Semesters 5-8:

BTech Regular:

1. Should take one foundation elective in semester 5. The remaining three stream electives can be taken from multiple streams in their current and subsequent semesters. The Foundation elective is strongly recommended to be in the Communications or VLSI stream.

BTech Honors:

Five stream electives from their research stream may be taken in any combination from following upon consulting with their adviser

1. Stream foundation Course (offered in 5th sem)
2. Stream Elective Courses offered in current and subsequent semesters
3. Open Elective Courses offered in current and subsequent semesters.

BTech Dual Degree:

Six stream electives from their research stream may be taken in any combination from following in consultation with their adviser

1. Stream foundation Course (offered in 5th sem)
2. Stream Elective Courses offered in current and subsequent semesters
3. Open Elective Courses offered in current and subsequent semesters.

Foundation Courses in Monsoon 2020:

Analog IC Design
Wireless Communications
Robotics: Dynamics and Control

VLSI and Embedded Systems

ECE468 Analog IC Design	3-1-0-4 Abhishek Srivastava + Zia Abbas
ECE462 Principles of Semiconductor Devices	3-1-0-4 Anshu Sarje
ECE469 Design for Testability	3-1-0-4 Ganesh V. Bhutekar, Renia Inc.
ECE467 CMOS RFIC Design	3-1-0-4 Syed Azeemuddin

Signal Processing & Communications

CSE478 Digital Image Processing	3-1-0-4	Ravi Kiran S
ECE448 Speech Signal Processing	3-1-0-4	Anil Kumar V
CSE471 Statistical Methods in AI	3-1-0-4	Jawahar CV
ECE438 Wireless Communications	3-1-0-4	Ubaidulla
ECE535 Radar Systems	3-1-0-4	K R Sarma

Robotics

CSE483 Mobile Robotics - **FE**	3-1-0-4	Madhava Krishna
CSE478 Digital Image Processing	3-1-0-4	Ravi Kiran S
CSE975 Topics in Machine Learning	3-1-0-4	Naresh Manwani
CSE471 Statistical Methods in AI	3-1-0-4	Jawahar CV
Robotics: Dynamics & Control - **FE**	3-1-0-4	Spandan Roy + Abhishek Sarkar

IoT Systems

No Courses

Bio-Electronics & Biological Systems

No Courses