

BE. Electrical and Electronics Engineering (Full Time)

Course plan

Electric drives (EEE2018FT03) - VII Semester

13.07.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	UNIT-I Introduction to Electric Drives, Basic Concept, Types of Electric Drives, AC drives, DC drives, Group drives, Individual drives, Comparison
15.07.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Variable speed drives, requirements, various duty cycles of Electric Drives
20.07.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Mechanical Characteristics of Electric Drives, Heating and Cooling of Electric machines
22.07.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Rating of Electric motors, Selection of Electric motors for various applications
27.07.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	UNIT-2 DC DRIVES Speed control of dc motors - Ward- Leonard scheme
29.07.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Single phase thyristor converter fed dc drives

03.08.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Single phase thyristor converter fed dc drives
05.08.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Three phase thyristor converter fed dc drives
10.08.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Chopper fed Dc Drives :Time ratio control and current limit control
12.08.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Chopper fed Dc Drives :Time ratio control and current limit control, closed loop control

17.08.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	UNIT-3 Induction motor drives Speed control of three phase induction motors
19.08.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	AC Chopper fed induction motor drives
24.08.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Inverter and cycloconverter fed induction motor drive
26.08.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Rotor resistance control, slip power recovery scheme
31.08.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Static rotor resistance control
02.09.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	UNIT-4 Synchronous motor drives: Speed control of three phase synchronous motors
07.09.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	VSI fed Synchronous motor drives
09.09.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	CSI fed Synchronous motor drives, Cycloconverter fed synchronous motors
14.09.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Commutator less dc motors, closed loop control of drive motors.
16.09.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Effects of harmonics on the performance of ac motors, Closed loop control of drive motors.
21.09.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	UNIT-5 Digital control and drive applications: Digital techniques in speed control
23.09.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Microprocessor based control of drives

28.09.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Steel rolling mills- selection of drives and control schemes
30.09.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Paper mills- selection of drives and control schemes
05.10.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	Lifts and Cranes- selection of drives and control schemes
07.10.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	Advantages and limitations
12.10.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	MCQ Discussion
14.10.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	MCQ Discussion
19.10.2021	10.00 AM to 11.30 AM	ELECTRIC DRIVES	MCQ Discussion
21.10.2021	2.00 PM to 3.30 PM	ELECTRIC DRIVES	MCQ Discussion