

Name of the Lab : Power Electronics And Drives Laboratory

EE8661(Even Semester)

Regulation 2017

Virtual Link

S.NO.	NAME OF THE EQUIPMENT	Hyper Link
1	Gate Pulse Generation using R, RC and UJT.	https://www.youtube.com/watch?v=yZviuF9GI8Y
2	Characteristics of SCR and TRIAC	https://www.youtube.com/watch?v=opveWDkw7YU https://www.youtube.com/watch?v=BTWY_hyAX8o
3	Characteristics of MOSFET and IGBT	https://www.youtube.com/watch?v=lv7fDtSoXaI
4	AC to DC half controlled converter	https://www.youtube.com/watch?v=g-4lBe-nbp4
5	AC to DC fully controlled Converter	https://www.youtube.com/watch?v=9-JbOKJ7Bmw
6	Step down and step up MOSFET based choppers	https://www.youtube.com/watch?v=zq31NxmR3rc
7	IGBT based single phase PWM inverter	https://www.youtube.com/watch?v=FicpDRmpeuc
8	IGBT based three phase PWM inverter	https://www.youtube.com/watch?v=gkWA_lzNYE8
9	AC Voltage controller	https://www.youtube.com/watch?v=68-jDKdqkw
10	Switched mode power converter.	https://www.youtube.com/watch?v=CEhBN5_fO5o
11	Simulation of PE circuits (1 Φ & 3 Φ semi converters, 1 Φ & 3 Φ full converters, DC-DC converters, AC voltage controllers)	https://www.youtube.com/watch?v=bbxSm7aXuBY https://www.youtube.com/watch?v=mVKbSbHbGZc https://www.youtube.com/watch?v=oZy9EUCrJM https://www.youtube.com/watch?v=aYKOAuPdd3w
12	Characteristics of GTO & IGCT	https://www.youtube.com/watch?v=WuOq_k3jj2A https://www.youtube.com/watch?v=ekSbhm4l0Go
13	Characteristics of PMBLDC motor	https://www.youtube.com/watch?v=mr90BZE7w
14	Simulation of single cyclo converter	https://www.youtube.com/watch?v=tRHNPqI2C08
15	Solar Electric vehicle charging station	https://www.youtube.com/watch?v=kXLYzcpw2T4