

Guru Nanak Dev Engineering College, Ludhiana
Electronics and Communication Engineering Department

List of MOOCs for Training Semester (July – Nov 2020) in B.Tech (Electronics and Communication Engineering)

NPTEL(swayam.gov.in/NPTEL)

Sr No	Name of Course	Duration	Link
1	Big data computing	8weeks(17-8-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
2	Cloud COMPUTING	8weeks(20-7-2020 to 11-09-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
3	Artificial Intelligence: Search methods for problem solving	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
4	Computer Architecture and Organization	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
5	Data structure and algorithms using java	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
6	Deep Learning for computer vision	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view

7	Deep Learning	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
8	Introduction to Industry 4.0 and Industrial Internet of Things	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
9	Introduction to Internet of Things	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
10	Introduction to Machine Learning	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
11	Programming in Java	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
12	The joy of using computing using python	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
13	Peer to Peer Networks	8weeks(17-8-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
14	Introduction to Embedded System Design	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
15	Applied Optimization for wireless, Machine Learning, Big data	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
16	Deep Learning for visual computing	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view

17	Digital VLSI testing	12weeks(20-7-2020 to 9-10-2020)	https://drive.google.com/file/d/1epnsJSN4KXW3r573_UwWF6sZpO809FXv/view
18	Op-Amp Practical Applications: Design, Simulation and Implementation	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOceE82rml9Fj1wgdERMb8yMMYUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
19	Principles of Signal Estimation for MIMO/ OFDM Wireless Communication	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOceE82rml9Fj1wgdERMb8yMMYUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
20	Introduction to Wireless and Cellular Communications	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOceE82rml9Fj1wgdERMb8yMMYUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
21	Control engineering	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOceE82rml9Fj1wgdERMb8yMMYUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link

22	Microwave Theory and Techniques	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMMyUMZC6B2I1VO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
23	Fiber Optic Communication Technology	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMMyUMZC6B2I1VO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
24	Control systems	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMMyUMZC6B2I1VO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
25	Introductory Neuroscience & Neuro-Instrumentation	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMMyUMZC6B2I1VO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link

26	Information Theory	12weeks(20-7-2020 to 9-10-2020)	https://docs.google.com/spreadsheets/d/e/2PACX-1vTDp7Tc1jHmOcE82rml9Fj1wgdERMb8yMMYUMZC6B2I1VOVO8zt-BBbPRhvoTBTuOgN87FCUDasHEZ-/pubhtml?urp=gmail_link
----	--------------------	---------------------------------	---