

# III SEMESTER

## Elements of Electronics Engineering Course Code: 20EC110 / 20EC210

1. <http://www.freebookcentre.net/Electronics/Communication-Books.html>
2. <http://www.freebookcentre.net/Electronics/Devicesandequipments-Books.html> 3
3. <http://nptel.ac.in/courses/108102095/>

## Circuit Theory and Analysis Course Code: 20EC310

1. <https://nptel.ac.in/courses/108102042/3>
2. <https://nptel.ac.in/courses/117106108>
3. <https://play.google.com/store/apps/details?id=com.education.npteleee&hl=en>

## Sensors and Actuators Course Code: 20EC320

1. <https://nptel.ac.in/courses/108/108/108108147/>
2. <https://www.coursera.org/lecture/interface-with-arduino/lecture-2-1-actuators-uNCa4>

[Computer Communication Network](#)

## Analog Electronic Circuits Course Code: 20EC330

1. <http://www.freebookcentre.net/Electronics/Analog-Circuits-Books.html>
2. Video Lecture: <http://nptel.ac.in/courses/108102095/>

[CMOS VLSI](#)

## Communication System-I Course Code: 20EC350

1. <http://www.mgcub.ac.in/pdf/material/202004290051377727b35713.pdf>
2. <http://www.scribd.com/document/438513272/sanjay-sharma-analog-and-digital-communication-pdf-download-pdf>
3. <https://oiipdf.com> > communication-systems-analog-and-digital

## **Universal Human Values Course Code: 20HU311**

1. <https://onlineethics.org/>

## **IV SEMESTER**

### **Linear Integrated Circuits Course Code: 20EC410**

1. <https://docs.google.com/file/d/0B21HoBq6u9TsbG5WdjNZeGwtMWs/preview>
2. <http://nptel.ac.in/courses/108106068/>

### **Microcontrollers and Embedded system Course Code: 20EC420**

1. <http://infocenter.arm.com/help/topic/com.arm.doc>
2. <http://www.keil.com>
3. <https://swayam.gov.in/>

### **Signals and Systems Course Code: 20EC430**

1. <https://nptel.ac.in/courses/1171040741>.
2. <https://ocw.mit.edu/resources/res-6-007-signals-and-systems-spring-2011/lecture-notes/>
3. NPTEL lecture Video on Signals and Systems by Prof. S.C.Dutta Roy,  
<http://www.satishkashyap.com/2012/04/iit-video-lectures-on-signals-and.html>
4. NPTEL lecture Video on Signals and Systems by Prof. T.K. Basu, IIT Kharagpur.  
<http://www.nptel.ac.in/courses/108105065/>

### **Communication Systems-II Course Code: 20EC440**

1. <https://oiipdf.com/communication-systems-analog-and-digital>
2. <https://books.askvenkat.org/analog-communication-textbook-sanjay-sharma-free-download/>
3. [https://jntukucen.ac.in/ebook\\_files/156.pdf](https://jntukucen.ac.in/ebook_files/156.pdf)

## **Engineering Electromagnetics Course Code: 20EC450**

1. <http://nptel.ac.in/courses/108106073>
2. <http://nptel.ac.in/courses/117103065>
3. <http://ocw.mit.edu/OcwWeb/Electrical-Engineering-and-Computer-Science/6-632Electromagnetic-Wave-TheorySpring2003/CourseHome/Index.html>
4. <http://www.plasma.uu.se/CED/Book>

## **Microcontrollers and Embedded system Lab Course Code: 20EC48L**

1. <http://infocenter.arm.com/help/topic/com.arm.doc>
2. <http://www.keil.com>

# **V semester**

## **Computer Communication Networks**

<https://youtube.com/playlist?list=PLFkKAMLbnTTtZEQHO2iE7CMRdFv7m1LXG>

## **CMOS VLSI Design**

<https://youtube.com/playlist?list=PLFkKAMLbnTTs4V-p9oXGGB7MxtJcPu4X>

<https://nptel.ac.in/courses/108/107/108107129/>

## **Control System EC540 2020 /EC530**

<https://sites.google.com/view/drspk/ec530controlsystms?authuser=0>

## **Robotics and Computer Vision**

EC653 2019/ EC661 2020

<https://sites.google.com/view/drspk/robotics-and-computer-vision?authuser=0>

## **Data Structures and Algorithms EC560**

1. [www.nptelvideos.in/2012/11/data-structures-and-algorithms.html](http://www.nptelvideos.in/2012/11/data-structures-and-algorithms.html)

2. <https://www.geeksforgeeks.org/list-cpp-stl/>

3. [http://www.nptelvideos.com/computer\\_science/datastructures\\_algorithms.php](http://www.nptelvideos.com/computer_science/datastructures_algorithms.php)

## **EC510 Linear Algebra and Applications**

1. [https://onlinecourses.nptel.ac.in/noc18\\_ma16](https://onlinecourses.nptel.ac.in/noc18_ma16)
2. <https://nptel.ac.in/courses/111106051/>
3. [https://onlinecourses.nptel.ac.in/noc19\\_ma06/preview](https://onlinecourses.nptel.ac.in/noc19_ma06/preview)
4. [https://onlinecourses.nptel.ac.in/noc17\\_ma04/preview](https://onlinecourses.nptel.ac.in/noc17_ma04/preview)

# **VI SEMESTER**

## **EC652 Java Programming**

1. <http://nptel.ac.in/courses/106106147/3>
2. [https://onlinecourses.nptel.ac.in/noc19\\_cs07/preview](https://onlinecourses.nptel.ac.in/noc19_cs07/preview)
3. <https://nptel.ac.in/courses/106105084/28>
4. <https://fr.coursera.org/lecture/distributed-programming-in-java/2-1-introduction-to-sockets-XiZXU>