

## BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
<b>PHY-410</b>	<b>COMMUNICATION ELECTRONICS-II (LAB)</b>	<b>3</b>	<b>VII</b>
Year	Discipline		
<b>4</b>	<b>Physics</b>		

### Course Outlines:

1. Design and study the application of operational amplifier (current to voltage converter, Instrumentation amplifier, buffer, voltage clamp, integrator, differentiator, low and high pass filter, half-wave rectifier etc.).
2. Design sinusoidal oscillators and function generators.
3. Design RF transistor oscillator, Convert it into a transmitter. detect the transmitted wave by a radio receiver (both for AM & FM).
4. Circuit study and fault finding of audio-oscillator/ commercial radio and T.V.
5. Design and construct an analog to digital and digital to analog converters using IC's.