

V.S.B. ENGINEERING COLLEGE, KARUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Details of the utilization of Animated and NPTEL Videos - AcademicYear 2016 - 2017

| Sl. No. | Name of the Faculty | Subject code | Name of the Subject | Topic | Details of Web link | |
|---------|---------------------|--------------|---------------------|------------------------------|---|---|
| | | | | | Web link for Animated Videos | Web link for NPTEL Videos |
| 1 | T.Sivalingam | EC6201 | Electronic Devices | PN Junction diode | https://www.youtube.com/watch?v=OyC02DWq3mI | https://www.youtube.com/watch?v=sJNfj2-7Mds |
| | | | | Transistor working principle | https://www.youtube.com/watch?v=IcrBqCFLHIY | https://www.youtube.com/watch?v=0C4uxtS-tIQ |
| | | | | JFETs Drain characteristics | https://www.youtube.com/watch?v=QZ-yEGLXegY | http://nptel.ac.in/courses/117103063/24 |
| | | | | Tunnel diode | https://www.youtube.com/watch?v=iV0P5siu4cs | https://www.youtube.com/watch?v=Ohy0u5jiAm4 |
| | | | | Solar cell | https://www.youtube.com/watch?v=j1jF3in2JUE | https://www.youtube.com/watch?v=8lrqaWyCAbA |
| | | | | CCD | https://www.youtube.com/watch?v=2iozD1QwNxM | https://www.youtube.com/watch?v=ebSc7xnQwtY |

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| 1 | S.Saravanan | EE6201 | Circuit Theory | Basic Electrical Circuits | https://www.youtube.com/watch?v=m4jzggZu-4s | http://nptel.ac.in/courses/108102042/ |
| | | | | Two - Port Network Parameters | | http://nptel.ac.in/courses/108102042/26 |
| | | | | Coupled Circuits | https://www.youtube.com/watch?v=3nJ_DlXfgUI | http://nptel.ac.in/courses/108102042/6 |
| | | | | Single Tuned | https://www.youtube.com/watch?v=cX1- | http://nptel.ac.in/courses/108102042/14 |

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| | | | | Circuits | CpzGUHc | |
| | | | | Network Theorems And Network Functions | | http://nptel.ac.in/courses/108102042/9 |

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| 1 | S.Saravanan | EC6401 | Electronic Circuits-II | Feedback Amplifiers | https://www.youtube.com/watch?v=IgYD5BZOF1A | http://nptel.ac.in/courses/117106030/2 |
| 2 | | | | Hartley Oscillators | https://www.youtube.com/watch?v=IVQKSw0V_vQ | http://nptel.ac.in/courses/122106025/35 |
| 3 | | | | Double Tuned Amplifier | https://www.youtube.com/watch?v=8A9CAmULrbM | http://nptel.ac.in/courses/108102042/16 http://nptel.ac.in/courses/108102042/17 |
| 4 | | | | Clipper and Clampers | https://www.youtube.com/watch?v=MN3Sp1visAs https://www.youtube.com/watch?v=XYpY5NdjFxU | http://nptel.ac.in/courses/117103063/6 |
| 5 | | | | Stagger tuned amplifiers | https://www.youtube.com/watch?v=pv_27Lb5Q5s | https://www.youtube.com/watch?v=Oc9qXwXuW3s |

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| 1 | S.Sri Shanmugapriya | EC6402 | Communication Theory | Amplitude Modulation | https://www.youtube.com/watch?v=Rknr-S0PgD0 | http://nptel.ac.in/courses/117102059/8 |
| 2 | | | | Frequency Modulation | https://www.youtube.com/watch?v=kZjyMrbQMBQ | http://nptel.ac.in/courses/117102059/18# |
| 3 | | | | Superheterodyne Receiver | https://www.youtube.com/watch?v=x9hnbzF9XC8 | http://nptel.ac.in/courses/117102059/13 |
| 4 | | | | Angle | https://www.youtube.com/watch?v=gfz1Fb | http://nptel.ac.in/courses/117102059/15 |

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| | | | | Modulation | IOMbs | |
| 5 | | | | PLL as FM Demodulator | https://www.youtube.com/watch?v=tmhhlTKM9z8 | http://nptel.ac.in/courses/117102059/22 |

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| 1 | P.S.Gomathi | EC6403 | Electro magnetic Fields | Co-ordinate System | https://www.youtube.com/watch?v=pmuC2iB8wME | http://nptel.ac.in/courses/108104087/8 http://nptel.ac.in/courses/108104087/4 |
| | | | | Electric Field | https://www.youtube.com/watch?v=mZwpj8e9ptI | http://nptel.ac.in/courses/108106073/4 |
| | | | | Magnetic Field | https://www.youtube.com/watch?v=Gkfwc4Uzgss | http://nptel.ac.in/courses/108106073/18 http://nptel.ac.in/courses/108106073/19 |
| | | | | Force on a moving charge | https://www.youtube.com/watch?v=fwIKRis145E | https://www.youtube.com/watch?v=aaWG_6WCkTA |
| | | | | Poynting Theorem | https://www.youtube.com/watch?v=lExzHXqjV2k | http://nptel.ac.in/courses/108106073/34 |

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| 1 | John Milton.M | EC6404 | Linear Integrated Circuits | Current Mirror | https://www.youtube.com/watch?v=ELmcTg22HfY | https://www.youtube.com/watch?v=62wmi8z7mnQ https://www.youtube.com/watch?v=vDCsZf2maKg |
| 2 | | | | Instrumentaion Amplifier | https://www.youtube.com/watch?v=8FnJ1FITYhA | http://nptel.ac.in/courses/117106108/109 |
| 3 | | | | Phase Locked Loop | https://www.youtube.com/watch?v=PMc8C4RsOuM | http://nptel.ac.in/courses/117106088/37 |

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| 4 | | | | Schmitt Trigger | https://www.youtube.com/watch?v=Nrp8OgQLAlw | https://www.youtube.com/watch?v=xki9taCqsWY |
| 5 | | | | Voltage Regulators | https://www.youtube.com/watch?v=4vTZWdkzA8 | http://nptel.ac.in/courses/117108038/6 |

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| 1 | R.Pari | EC6405 | Control System Engineering | AC and DC Servo Motors | https://www.youtube.com/watch?v=XmDqV6-hWIU | |
| | | | | Root Locus Construction | https://www.youtube.com/watch?v=xFocz0292Ro | https://www.youtube.com/watch?v=sjWFF9buV-Q |
| | | | | Correlation between frequency domain and time domain specifications- | https://www.youtube.com/watch?v=noyCLIZbK_k | |
| | | | | Nyquist stability criterion- | https://www.youtube.com/watch?v=sof3meN96MA&t=111s | https://www.youtube.com/watch?v=FXbKYT1G6Xs |
| | | | | Concept of state variables | https://www.youtube.com/watch?v=9M-a_vKa8b8 | |