**SKDAV GOVT.POLYTECHNIC, ROURKELA**

**6TH SEM ELECTRICAL ENGINEERING**

**LIST OF YOU TUBE LINK FOR REFERENCE OF THE STUDENTS**

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| **SI.NO** | **SUBJECT** | **TOPIC** | **LINK FOR ONLINE LECTURE VIDEOS** |
| 1 | CONTROL SYSTEM ENGINEERING | Block diagram reduction Rules | https://youtu.be/NUUGOgkOd1A |
| 2 | CONTROL SYSTEM ENGINEERING | Numerical Based on Block diagram reduction Rules | https://youtu.be/7a2pyG1JkHQ https://youtu.be/ilN6-m7Oxf8 |
| 3 | CONTROL SYSTEM ENGINEERING | Problem 1 on Convert Block Diagram to Signal Flow Graph | https://youtu.be/GvNW3fBy7CU |
| 4 | CONTROL SYSTEM ENGINEERING | Mason's Gain Formula | https://youtu.be/l58uYZi-xjk |
| 5 | CONTROL SYSTEM ENGINEERING | Signal flow graph | https://youtu.be/9eAzSCKuGtc |
| 6 | CONTROL SYSTEM ENGINEERING | Time Responce of First Order Control System to UnitStep Signal | https://youtu.be/T8ATyg\_Fo6Y- |
| 7 | CONTROL SYSTEM ENGINEERING | Time Responce of second Order Control System | https://youtu.be/dAwCtTPX2XM |
| 8 | CONTROL SYSTEM ENGINEERING | Time Response of Undamped Second Order System for Step Unit | https://youtu.be/O-ZMhu-aEwI |
| 9 | CONTROL SYSTEM ENGINEERING | Time Domain Specifications | https://youtu.be/MzrgBc4s-jk https://youtu.be/I3VqU1sgPKYhttps://youtu.be/3-NZT1E3kvAhttps://youtu.be/A4YMfspSMJshttps://youtu.be/qf308QsXWZg |
| 10 | CONTROL SYSTEM ENGINEERING | Routh Stability Criterion | <https://youtu.be/MRyICw3eOJs> <https://youtu.be/BApzhX2WBe0><https://youtu.be/G5uRpuIa3Ls>https://youtu.be/feXrzFUbeKw |
| 11 | CONTROL SYSTEM ENGINEERING | Root Locus Technique Construction Rules | https://youtu.be/o3bRqh4IlCA |
| 12 | CONTROL SYSTEM ENGINEERING | Problem on Root locus | https://youtu.be/ldve\_LZRuaQ |
| 13 | CONTROL SYSTEM ENGINEERING | Polar plot of Type 0, Order 2 System | https://youtu.be/mzIxua0dMo8 |
| 14 | CONTROL SYSTEM ENGINEERING | Polar plot of Type 1, Order 2 System | https://youtu.be/HFpw0rMlfeU |
| 15 | CONTROL SYSTEM ENGINEERING | Problem on Polar plot | https://youtu.be/M8hx5kpSveM |
| 16 | CONTROL SYSTEM ENGINEERING | Nyquist Stability for two poles at origin and simple pole | <https://youtu.be/0QeKErfE-aw> |
| 17 | SWITCH GEAR AND PROTECTIVE DEVICES | IDMT Relay | https://youtu.be/y2C\_8CJkVhw |
| 18 | SWITCH GEAR AND PROTECTIVE DEVICES | Buchholz Relay | https://youtu.be/qhl5ZEKegXc |
| 19 | SWITCH GEAR AND PROTECTIVE DEVICES | Over current relay | https://youtu.be/7yS9RtKS-fE |
| 20 | SWITCH GEAR AND PROTECTIVE DEVICES | Earth fault Relay | https://youtu.be/V4i-cvfL2ws |
| 21 | SWITCH GEAR AND PROTECTIVE DEVICES | Induction type over current relay | https://youtu.be/nIwIQIBDxjs |
| 22 | ELECTRICAL INSTALLATION AND ESTIMATING | Estimation of materials required for LT lines | https://www.youtube.com/watch?v=7mjp8SCCbdI |
| 23 | ELECTRICAL INSTALLATION AND ESTIMATING | Pipe earthing system | https://www.youtube.com/watch?v=5Kv7XrSHnH4 |
| 24 | ELECTRICAL INSTALLATION AND ESTIMATING | Basic of Indian Electricity Rule | https://www.youtube.com/watch?v=DQcYtWmoZEg |
| 25 | ELECTRICAL INSTALLATION AND ESTIMATING | Estimating and costing of residential house wiring | https://www.youtube.com/watch?v=tVHotIUVfdk |
| 26 | ELECTRICAL INSTALLATION AND ESTIMATING | Pole mounted station 11 kv/415kv working | https://www.youtube.com/watch?v=4fnuIY-Um1I |
| 27 | ELECTRICAL INSTALLATION AND ESTIMATING | 11kv/230 volt stay set | https://www.youtube.com/watch?v=JPOVDBcPUOw |
| 28 | ELECTRICAL INSTALLATION AND ESTIMATING | Full House wiring diagram by single phase line | https://www.youtube.com/watch?v=n36Gl9S4l64 |
| 29 | ELECTRICAL INSTALLATION AND ESTIMATING | Overhead service connection | https://www.youtube.com/watch?v=YaOCPeqfxFU |
| 30 | UTILIZATION OF ELECTRICAL ENERGY AND TRACTION | Laws of Illumination | https://youtu.be/dQUvbbItNtU |
| 31 | UTILIZATION OF ELECTRICAL ENERGY AND TRACTION | Fundamental of Electric Drive | https://youtu.be/1AT1yuQ9awM |
| 32 | UTILIZATION OF ELECTRICAL ENERGY AND TRACTION | System of raction | <https://youtu.be/aY9uX468bdY> |
| 33 | UTILIZATION OF ELECTRICAL ENERGY AND TRACTION | Arc welding | https://youtu.be/cvrtZfo1gGs |

**List of link of video Lectures prepared by the faculties**

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| 1 | CONTROL SYSTEM ENGINEERING | Nyquist plot – type-0 system | https://youtu.be/n-7Bc2bls6U |
| 2 | CONTROL SYSTEM ENGINEERING | Nyquist plot – type-1 system | https://youtu.be/RZjqU0Z7XQs |
| 3 | CONTROL SYSTEM ENGINEERING | Root Locus | https://youtu.be/oab-1nsIEOI |