**SKDAV GOVT.POLYTECHNIC, ROURKELA**

**4TH SEM E&TC**

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

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| **SI.NO** | **SUBJECT** | **TOPIC** | **LINK FOR ONLINE LECTURE VIDEOS** |
| 1 | AE &IC | Construction ,working principle &characteristics of JFET | https://www.youtube.com/watch?v=PMOaS967Yus&list=PLSaQS3cNev |
| 2 | AE&IC | Construction &working principle of MOSFET and its classification & characteristics | https://www.youtube.com/watch?v=4\_nGFY7zgDM&list=PLgQFgGS1td4vKepo4Ya5-6Vr6ROAARqH8 |
| 3 | AE&IC | Operational amplifier circuits and application of OP-AMP | <https://www.youtube.com/channel/UCBkOVp1Cqz4MR0LYR8vKpZg> |
| 4 | DC&CN | Cyclic Redundancy Check | <https://www.youtube.com/watch?v=5Q-Yv6_0Qcw&t=42s> |
| 5 | DC&CN | CSMA/CD | <https://www.youtube.com/watch?v=v_z888gQWq0> |
| 6 | DC&CN | Hamming Code (error detection and correction) | <https://www.youtube.com/watch?v=nUwGf5ZgqsA&t=154s> |
| 7 | DC&CN | Topologies | <https://www.youtube.com/watch?v=uDulBxDb7GM&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=4> |
| 8 | DC&CN | Manchester and differential Manchester coding | <https://www.youtube.com/watch?v=3IaB2a8tXLA&list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_&index=6> |
| 9 | DC&CN | OSI Model | <https://www.youtube.com/watch?v=cFd1PjKEZM0&t=1465s> |
| 10 | DC&CN | TCP/IP Model | <https://www.youtube.com/watch?v=lTuOf8CdAoM> |
| 11 | DC&CN | LAN, MAN, WAN | <https://www.youtube.com/watch?v=I8JvM5ROB7c> |
| 12 | DC&CN | Guided Media | <https://www.youtube.com/watch?v=2wXOHPxhUgc> |
| 13 | DC&CN | Unguided Media | <https://www.youtube.com/watch?v=zmB0JFq8WJI> |
| 14 | DC&CN | Circuit Switching | <https://www.youtube.com/watch?v=Cug52cpjM_g> |
| 15 | DC&CN | Packet Switching | <https://www.youtube.com/watch?v=_0mE6PH1E4c> |
| 16 | DC&CN | Datagram Switching Vs Virtual circuit switching | <https://www.youtube.com/watch?v=-S-NThI_79o> |
| 17 | Microprocessor & Microcontroller | 8085 internal architecture | <https://www.youtube.com/watch?v=UWekjor55pc&list=PLfzBO7vcQZ1KO4mGVA3M8n1x2QDN0lkz1&index=5> |
| 18 | Microprocessor & Microcontroller | 8086 microprocessor architecture | <https://www.youtube.com/watch?v=DmwOSdwzZ3E&list=PLfzBO7vcQZ1KO4mGVA3M8n1x2QDN0lkz1&index=3> |
| 19 | Microprocessor & Microcontroller | Introduction to 8051 | <https://www.youtube.com/watch?v=GPz_mR7Flas> |
| 20 | Microprocessor & Microcontroller | 8255 PPI | <https://www.youtube.com/watch?v=LkdYcCPwCcE> |
| 21 | Microprocessor & Microcontroller | Timing diagram of 8085 | <https://www.youtube.com/watch?v=ujywcwpa7Dk> |
| 22 | Microprocessor & Microcontroller | 8086 minimum mode with timing diagram | <https://www.youtube.com/watch?v=wdzx5HZE0yM> |

List of link of video Lectures prepared by the faculties

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| **SI.NO** | **SUBJECT** | **TOPIC** | **LINK FOR ONLINE LECTURE VIDEOS** |
| 1 | DC&CN | CSMA | <https://youtu.be/kF64i66zNH8> |
| 2 | DC&CN | HUB, BRIDGES AND SWITCHES | <https://youtu.be/c888ONnYSw0> |
| 3 | DC&CN | LAN PROTOCOL ARCHITECTURE | <https://youtu.be/Mz0cjk3LPmo> |
| 4 | DC&CN | TRAFFIC MANAGEMENT | https://youtu.be/DdKAYiH-9Bg |