



MAHENDRA ENGINEERING COLLEGE

(Autonomous)

Accredited by NAAC 'A' Grade & NBA Tier- I (WA) UG: CSE,ECE,EEE

Mahendhirapuri, Mallasamudram, Namakkal Dt. - 637 503.



Department of Electrical and Electronics Engineering

INNOVATIVE TEACHING METHODS

| S.No. | Type of innovation in teaching and learning | Faculty Contributed | Description | Type of medium for public use |
|-------|--|---------------------|---|---|
| 1. | Lecture on Control Systems | Dr.S.Umamaheswari | Open loop and Closed loop system with examples | https://www.youtube.com/watch?v=BusXyoRK8jU&t=40s |
| 2. | Lecture on Transformer | Dr.S.Sumathi | Constructional details of transformer and its accessories | https://www.youtube.com/watch?v=ZJ89AjZUy7o&t=103s |
| 3. | Lecture on Digital Systems | Dr.P.Sureshkumar | Number systems and Logic gates | https://www.youtube.com/watch?v=a1YNqClgSX4 |
| 4. | Circuit making for Simple Transistor Switch | Dr.S.Krishnan | Demonstration of a circuit soldering for transistor as switch in the name of TECH K Projects by the faculty | https://www.youtube.com/watch?v=HpPWLPTIifQ |
| 5. | Circuit making for Transistor Switching Using LDR | Dr.S.Krishnan | Demonstrates the circuit soldering practices for Transistor switching using LDR | https://www.youtube.com/watch?v=Bes6dqB3AUU |
| 6. | Simple Automatic Night Lamp | Dr.S.Krishnan | Demonstrates the circuit soldering practices for Simple Automatic Night Lamp | https://www.youtube.com/watch?v=q7SYKIMgAFk |
| 7. | Lecture on Induction Motor | Mr P.Parathraju | Starting methods and Starters for Induction Motor | https://www.youtube.com/watch?v=60BXt6EiYrA&t=26s |
| 8. | Circuit making for LED chaser using Arduino | Dr.S.Krishnan | Demonstrates the assembly of circuit components and soldering and testing with Arduino board | https://www.youtube.com/watch?v=DeDUJXeClzM |
| 9. | LED Blinking using BC547 transistor/ Multivibrator | Dr.S.Krishnan | The video illustrates LED Blinking using BC547 transistor | https://www.youtube.com/watch?v=vFDCava77hs |
| 10. | Design of 12V DC power supply | Dr.S.Krishnan | Demonstrates the assembly of circuit components and soldering for 12V DC power supply | https://www.youtube.com/watch?v=vIWzAflPIK |