



**VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN**  
**(Autonomous)**  
**Tiruchengode – 637205.**



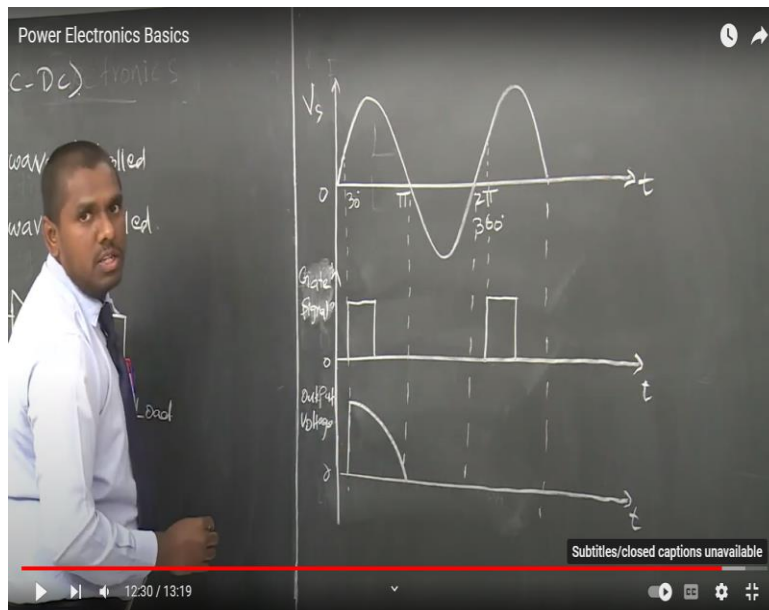
**Department of Electrical and Electronics Engineering**

**Video Lectures**

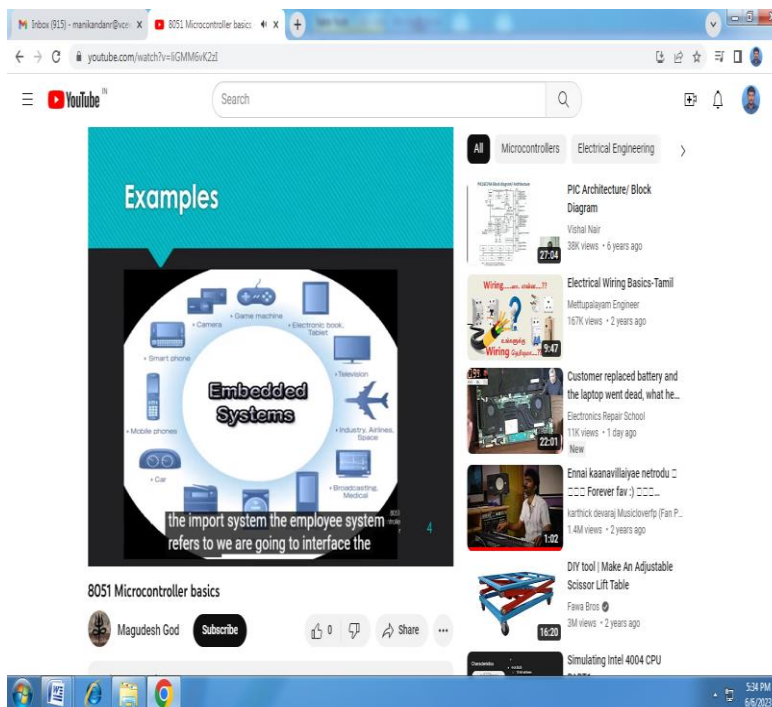
<b>S. No</b>	<b>Name of the Faculty</b>	<b>Name of the module developed</b>	<b>Link to the relevant document and facility available in the institution</b>
1	Dr.A.Pradeep	Power Electronics Basics	<a href="https://www.youtube.com/watch?v=kp5ToLb_JZ4">https://www.youtube.com/watch?v=kp5ToLb_JZ4</a>
2	Mr.P.Magudeshwaran	8051 BASICS	<a href="https://www.youtube.com/watch?v=liGMM6vK2zI">https://www.youtube.com/watch?v=liGMM6vK2zI</a>
3	Mr.T.Sasikumar	Time domain specifications	<a href="https://www.youtube.com/watch?v=0iMfH0QuRnk">https://www.youtube.com/watch?v=0iMfH0QuRnk</a>
4	Dr.A.Pradeep	Phase Controlled rectifier	<a href="https://www.youtube.com/watch?v=EkabMQ2LnQQ">https://www.youtube.com/watch?v=EkabMQ2LnQQ</a>
5	Mr.A.Shanmugasundaram	DC load line	<a href="https://www.youtube.com/watch?v=TMIdGqC0aeg">https://www.youtube.com/watch?v=TMIdGqC0aeg</a>
6	Mr.A.Shanmugasundaram	Biasing	<a href="https://www.youtube.com/watch?v=L--eW0j80m0">https://www.youtube.com/watch?v=L--eW0j80m0</a>
7	Mr.A.Shanmugasundaram	Selection of operating point	<a href="https://www.youtube.com/watch?v=Dp233C-ifPM">https://www.youtube.com/watch?v=Dp233C-ifPM</a>
8	Mr.B.Goutham	PROTEUS_ARDUINO	<a href="https://www.youtube.com/watch?v=rGjtg3RxqvE">https://www.youtube.com/watch?v=rGjtg3RxqvE</a>
9	Mr.B.Goutham	Circuit Theory	<a href="https://www.youtube.com/watch?v=fCGFSuFdSgY">https://www.youtube.com/watch?v=fCGFSuFdSgY</a>
10	Mr.B.Goutham	Working of Multiplexers	<a href="https://www.youtube.com/watch?v=GrTWt37cAO8">https://www.youtube.com/watch?v=GrTWt37cAO8</a>
11	Mr.B.Goutham	Sequential Logic Circuits	<a href="https://www.youtube.com/watch?v=a9z5-d2FtQ0">https://www.youtube.com/watch?v=a9z5-d2FtQ0</a>
12	Mr.B.Goutham	Variable K-Maps	<a href="https://www.youtube.com/watch?v=JJ4xTDHbuv8">https://www.youtube.com/watch?v=JJ4xTDHbuv8</a>
13	Mr.B.Goutham	K-maps	<a href="https://www.youtube.com/watch?v=BkvnI_Nlk6E">https://www.youtube.com/watch?v=BkvnI_Nlk6E</a>
14	Mr.B.Goutham	Diode-Transistor Logic	<a href="https://www.youtube.com/watch?v=Eaur_oPqwNI">https://www.youtube.com/watch?v=Eaur_oPqwNI</a>
15	Mr.B.Goutham	Full adders	<a href="https://www.youtube.com/watch?v=HphjptWXrrY">https://www.youtube.com/watch?v=HphjptWXrrY</a>
16	Mr.B.Goutham	Decoders	<a href="https://www.youtube.com/watch?v=VWyhXVp7g8">https://www.youtube.com/watch?v=VWyhXVp7g8</a>
17	Mr.B.Goutham	Boolean Algebra	<a href="https://www.youtube.com/watch?v=XWrZ2AJkZ9s">https://www.youtube.com/watch?v=XWrZ2AJkZ9s</a>
18	Mr.B.Goutham	PN junction diode	<a href="https://www.youtube.com/watch?v=tprorLoEumg">https://www.youtube.com/watch?v=tprorLoEumg</a>

19	Mr.B.Goutham	Zener Diode	<a href="https://www.youtube.com/watch?v=ZKHinBn-xHY">https://www.youtube.com/watch?v=ZKHinBn-xHY</a>
20	Mr.B.Goutham	NPN Transistor	<a href="https://www.youtube.com/watch?v=TswaGKnF8B8">https://www.youtube.com/watch?v=TswaGKnF8B8</a>
21	Mr.B.Goutham	Transformer EMF equation	<a href="https://www.youtube.com/watch?v=6cleVvewk8o">https://www.youtube.com/watch?v=6cleVvewk8o</a>
22	Mr.B.Goutham	Introduction To Inductance	<a href="https://www.youtube.com/watch?v=2vA_3EaR0fg">https://www.youtube.com/watch?v=2vA_3EaR0fg</a>
23	Mr.B.Goutham	Binary to Gray Code Conversion	<a href="https://www.youtube.com/watch?v=MjE8H3SjseA">https://www.youtube.com/watch?v=MjE8H3SjseA</a>
24	Mr.B.Goutham	Solving Problem on Capacitor	<a href="https://www.youtube.com/watch?v=n_vmJ_zy_64">https://www.youtube.com/watch?v=n_vmJ_zy_64</a>
25	Mr.B.Goutham	Solving Problem on Inductor	<a href="https://www.youtube.com/watch?v=HVxvBXmFbtI">https://www.youtube.com/watch?v=HVxvBXmFbtI</a>
26	Mr.B.Goutham	Delta to Star Transformation	<a href="https://www.youtube.com/watch?v=sJpC4kjbYCs">https://www.youtube.com/watch?v=sJpC4kjbYCs</a>
27	Mr.B.Goutham	Reverse Bias of PN junction diode	<a href="https://www.youtube.com/watch?v=MRRcBcivIJ8">https://www.youtube.com/watch?v=MRRcBcivIJ8</a>
28	Mr.B.Gowtham	Encoders	<a href="https://www.youtube.com/watch?v=YrOW8KRb-uo">https://www.youtube.com/watch?v=YrOW8KRb-uo</a>
29	Dr.K.Thenmalar	Power plant	<a href="https://www.youtube.com/watch?v=8yP1-ucBuM4">https://www.youtube.com/watch?v=8yP1-ucBuM4</a>
30	Dr.K.Thenmalar	Smart Grid	<a href="https://www.youtube.com/watch?v=kQ45hk-K0sI">https://www.youtube.com/watch?v=kQ45hk-K0sI</a>
31	Dr.P.Kannan	Electical Machines	<a href="https://www.youtube.com/watch?v=wlgS3yD0Uuc">https://www.youtube.com/watch?v=wlgS3yD0Uuc</a>
32	Dr.P.Kannan	Electical Machines	<a href="https://www.youtube.com/watch?v=eDSNn0svo4g">https://www.youtube.com/watch?v=eDSNn0svo4g</a>
33	Mr.Santhoshkumar	DC motor vs. AC motor	<a href="https://www.youtube.com/watch?v=1o10A3WSz-I">https://www.youtube.com/watch?v=1o10A3WSz-I</a>
34	Mr.Santhoshkumar	Applications of DC motors	<a href="https://www.youtube.com/watch?v=uYiSROl0FvU">https://www.youtube.com/watch?v=uYiSROl0FvU</a>
35	Mr.R.Manikandan	Components of wind energy system	<a href="https://www.youtube.com/watch?v=-mO0LH8c8P0">https://www.youtube.com/watch?v=-mO0LH8c8P0</a>

## Video Lecture Samples



Name of the Faculty: Dr.A.Pradeep  
Topic: Power Electronics Basics



Name of the Faculty: Mr.P.Magudeshwaran  
Topic: 8051 BASICS

Time domain specification-Problems

Sasi Kumar

2

Share

Clip

5:39 PM 6/6/2023

Name of the Faculty: Mr.T.Sasikumar  
Topic: Time domain specifications

Biasing

shanmugasundaram jaganathan

2 subscribers

2

Share

Clip

5:48 PM 6/6/2023

Name of the Faculty: Mr.J.Shanmugasundaram  
Topic: Biasing

The screenshot shows a YouTube video player with a blackboard background. The text on the blackboard includes:
 

- Law of Conservation of charges
- \* Create X
- \* Destroy X
- \* Transferred ✓

 A diagram shows a wire between points A and B with a dashed circle around point A. At the top, there are handwritten values:  $1.602 \times 10^{-19} C$ ,  $10^{-9} C$ ,  $10^{12} C$ , and  $10^6 C$ . The video title is 'CIRCUIT THEORY #basic\_electrical\_engineering #tnpsc #gate' and the channel is 'Mr. MainFrame'.

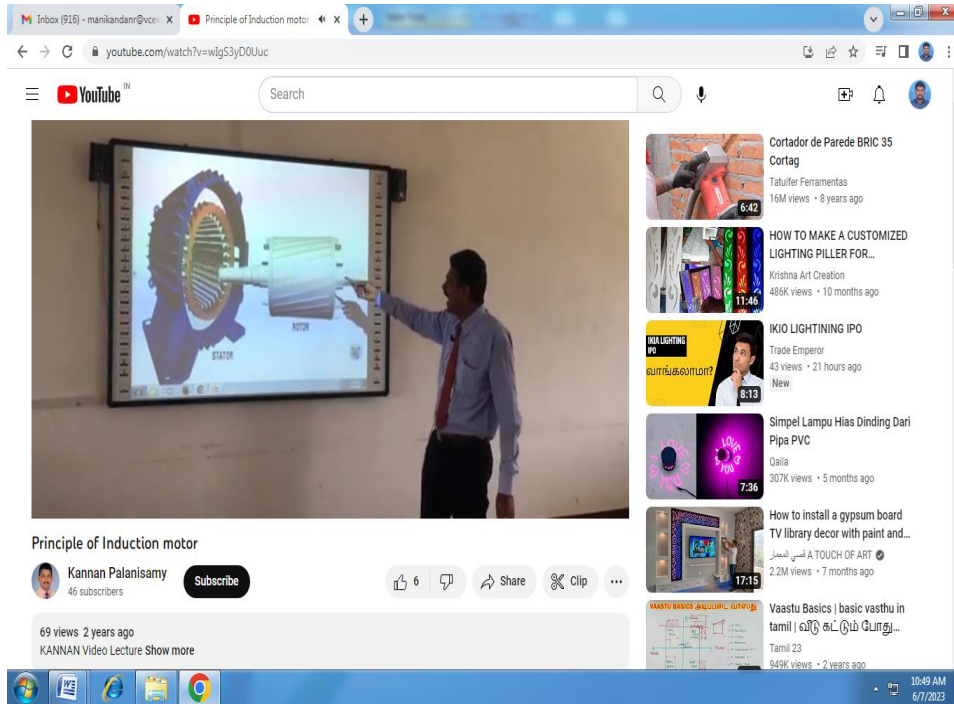
Name of the Faculty: Mr.B.Goutham  
Topic: Circuit Theory

The screenshot shows a YouTube video player with a blackboard background. The content includes:
 

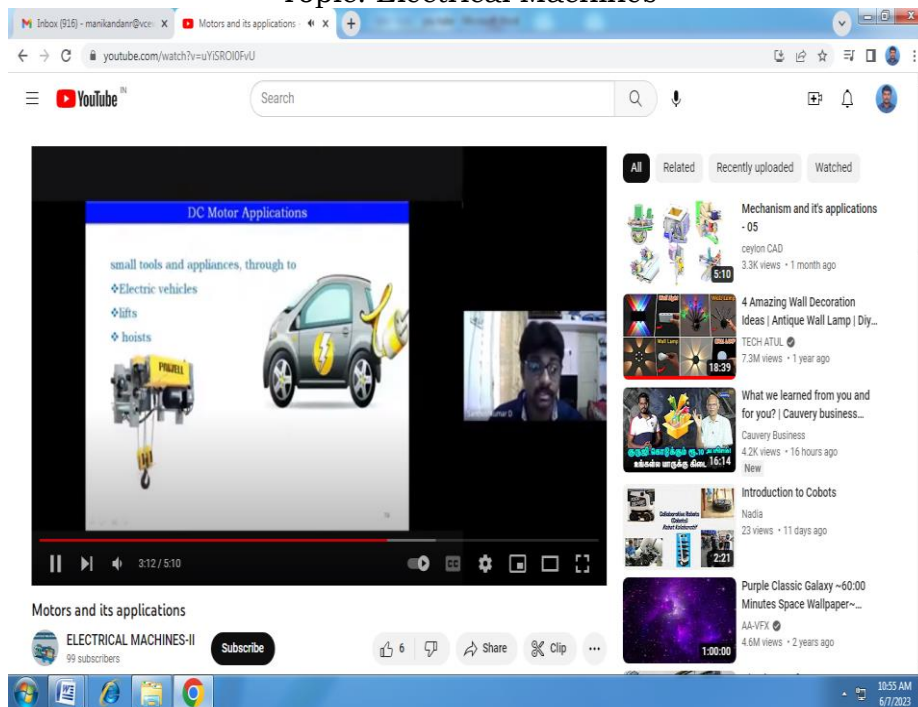
- A circuit diagram of a Zener diode with terminals A, K, and R.
- A graph showing current  $I_z$  versus voltage  $V_z$  with a vertical line at  $V_z$ .
- Handwritten notes:
  - \* Avalanche Breakdown
  - \* overheating
  - \*  $24V$  to  $200V$
  - \*  $15W$
  - \* Regulated Voltage
- Equation:  $\frac{\Delta V_z}{\Delta I_R} = R_z$

 The video title is 'Zener Diodes - An Introduction' and the channel is 'Mr. MainFrame'.

Name of the Faculty: Mr.B.Goutham  
Topic: Zener Diode



Name of the Faculty: Dr.P.Kannan  
 Topic: Electrical Machines



Name of the Faculty: Mr.Santhoshkumar  
 Topic: Applications of DC motors

video 1 COMPONENTS OF WIND ENERGY SYSTEM

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SONET

Renewable Energy Source in tamil

Name of the Faculty: Mr.R.Manikandan  
Topic: Components of wind energy system