

<b>PROFESSOR'S NAME</b>	Prof. Prashanta K Guha		
<b>DEPARTMENT</b>	Electronics and Communication		
<b>INSTITUTE</b>	IIT Kharagpur		
<b>COURSE OUTLINE</b>	<p>The purpose of this course is to provide a foundation for analyzing and designing both analog and digital electronics circuits. The majority of electronic circuits (integrated circuits - ICs) are fabricated today on a single piece of silicon which might contain millions of devices and can perform complex functions.</p> <p>The heart of modern ICs is MOSFET and BJTs. So basic understanding of circuits based on diodes, MOSFETs, BJTs and building block like OPAMP will provide essential foundation to the students to appreciate other advance courses like Analog electronics and Digital electronics and also will be immensely beneficial for their future career.</p>		
<b>COURSE DETAILS</b>			
<b>S. No</b>	<b>Module ID/ Lecture ID</b>	<b>Lecture Title/Topic</b>	<b>Duration</b>
1	E5-Mod1	Introduction	0:54:32
2	E5-Mod2	Current in Semiconductor	0:58:32
3	E5-Mod3		
4	E5-Mod4		
5	E5-Mod5		
6	E5-Mod6		
7	E5-Mod7		
8			

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**References if Any:**