



## DIGITAL SYSTEM DESIGN

SWAYAM Prabha Course Code - E22

<b>PROFESSOR'S NAME</b>	Prof. D Roychoudhury
<b>DEPARTMENT</b>	Electronics and Communication Engineering
<b>INSTITUTE</b>	Indian Institute of Technology, Kharagpur
<b>COURSE OUTLINE</b>	Introduction, Digital Logic, Boolean Algebra, Boolean Function Minimization, Design of Combinational Circuits, Logic Design with PLA, Synchronous Sequential Circuit Design, Finite State Machine Design, Programmable Logic Devices, Design of Computer Instruction Set and the CPU.

### COURSE DETAILS

S. No	Module ID/ Lecture ID	Lecture Title/Topic
1	L1	Introduction to Digital Systems Design
2	L2	Introduction
3	L3	Digital Logic - I
4	L4	Digital Logic - II
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References if

Any:

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- Introduction
  - Digital Logic - I
  - Digital Logic - II