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**[Prof. Bikash Kumar Dey](#)**  
IIT Bombay

**Syllabus****References****COURSE OUTLINE**

The course covers lessons in Introduction to Digital Communication, Sampling ,Quantization , PCM and Delta Modulation, Probability and Random Process, Channels and their Models, Information Theory, Bandpass Signal Representation , Digital Modulation Techniques ,Probability of Error Calculation,Calculation of Probability of Error, Equalizers .

**COURSE DETAIL**

S.No	Topic
1	Introduction to Digital Communication
2	Sampling
3	Quantization , PCM and Delta Modulation
4	Probability and Random Process
5	Channels and their Models
6	Information Theory
7	Bandpass Signal Representation
8	Digital Modulation Techniques
9	Probability of Error Calculation
10	Calculation of Probability of Error
11	Equalizers

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