

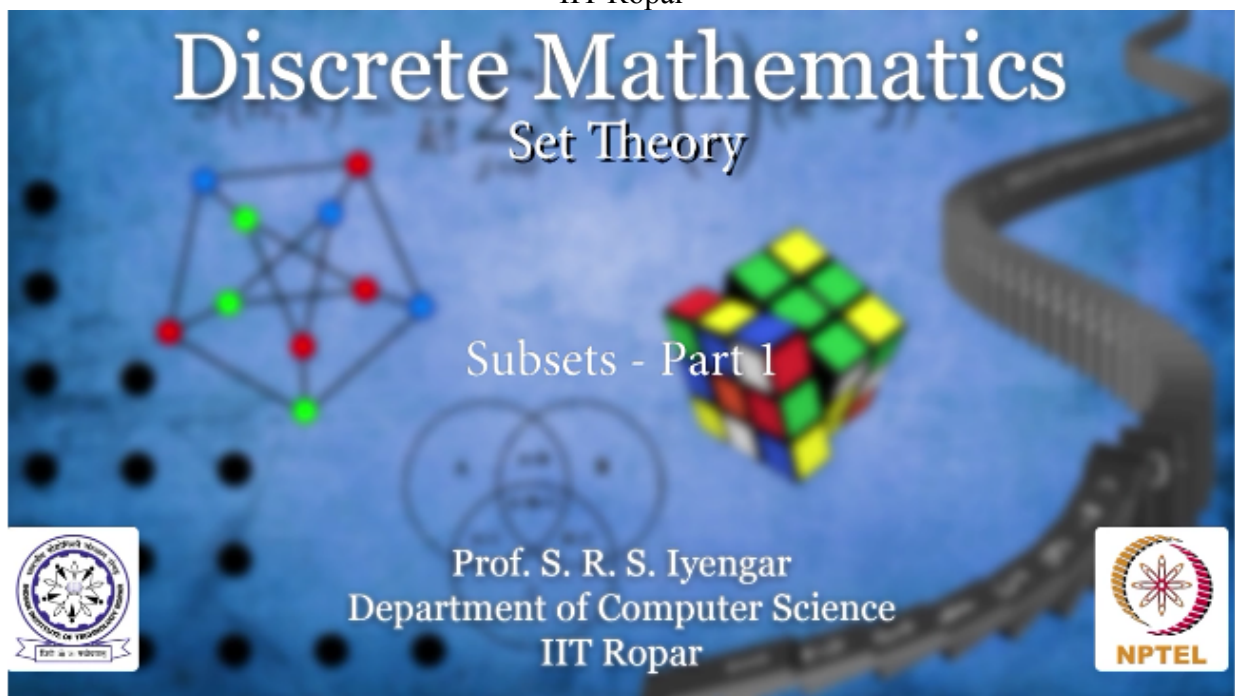
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Discrete Mathematics
Set Theory

Subsets- Part 1

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Let us consider a set S with these 6 elements a, b, c, d, e and f . Now consider another set T that has some elements from S , namely a, c, e , and f , so this set T is called a subset of S , the word subset is rather self-explanatory, we use the notation this to denote that T is a subset of S , so by subset we mean as you would have guessed a set that comprises of some elements from the set S .

$$S = \{a, b, c, d, e, f\}$$

$$T = \{a, c, e, f\}$$

T is called a subset of S.

$$T \subseteq S$$

Subset: A set that comprises of some elements of 'S'



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