Discrete Mathematics

Functions

Introduction to Onto Function - Part 2

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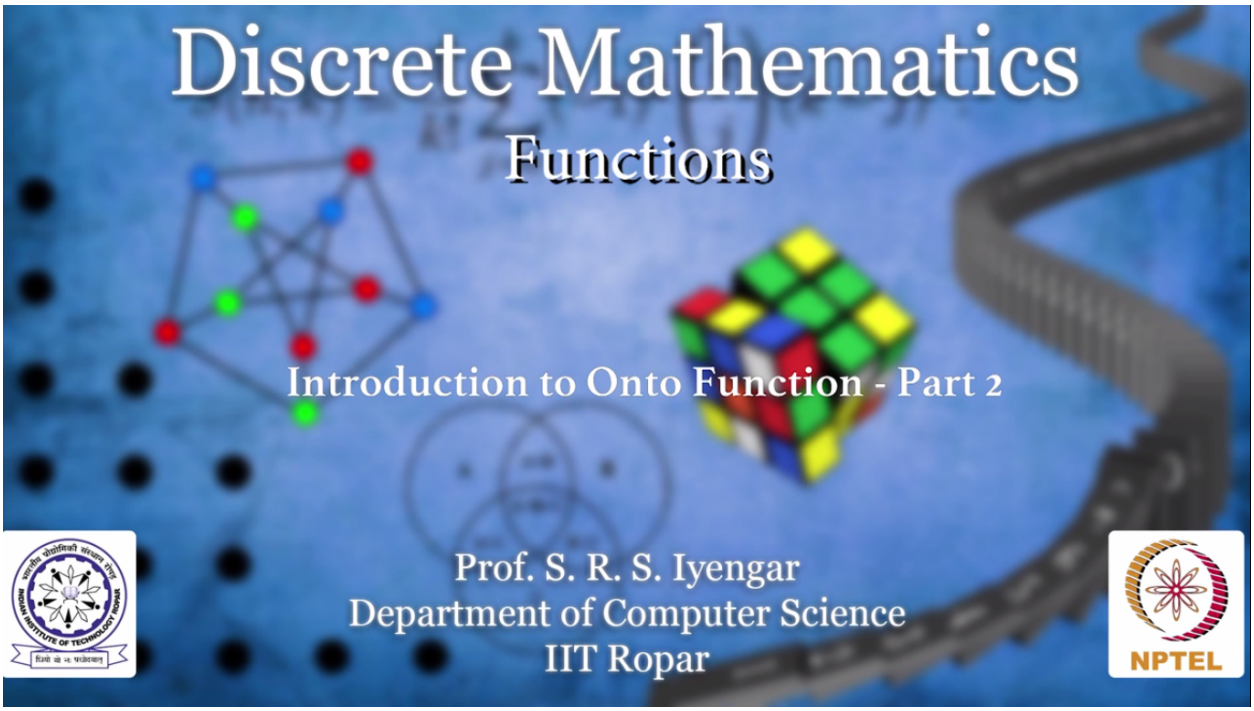
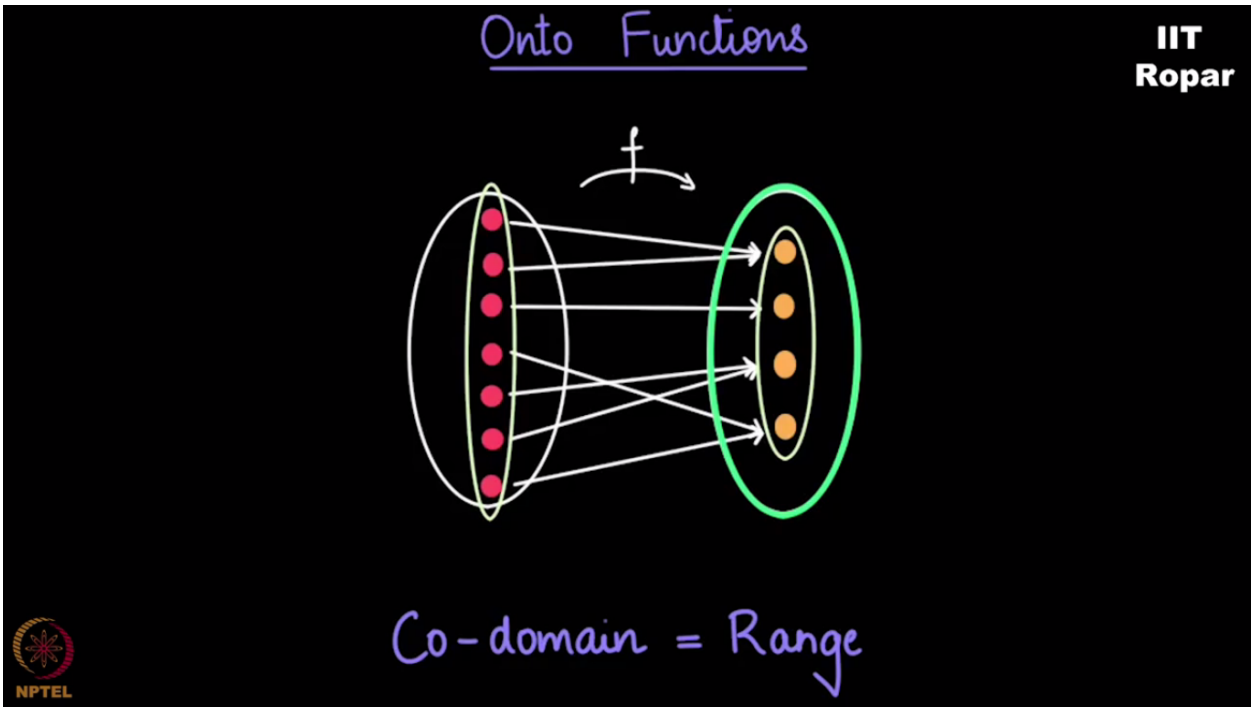


Let us discuss more of onto functions now. So pictorially speaking onto functions is a function f where you pick any element on the right wing that is your co-domain. You will have something come to it. Meaning no element here will be left out. What do I mean by that? A very complicated way of saying something as simple as this is co-domain will be equal to the range. Remember the definition range in co-domain. Co-domain is simply the right wing. All the elements here. Range is the range of values that f takes and this range should be equal to co-domain thus leaving out nothing at all in the co-domain.



Everything has a pre-image is another way of defining an onto function. I am sure it's very familiar to you all by this time. If not it will be familiar given that we will be solving a whole lot of examples. Okay.