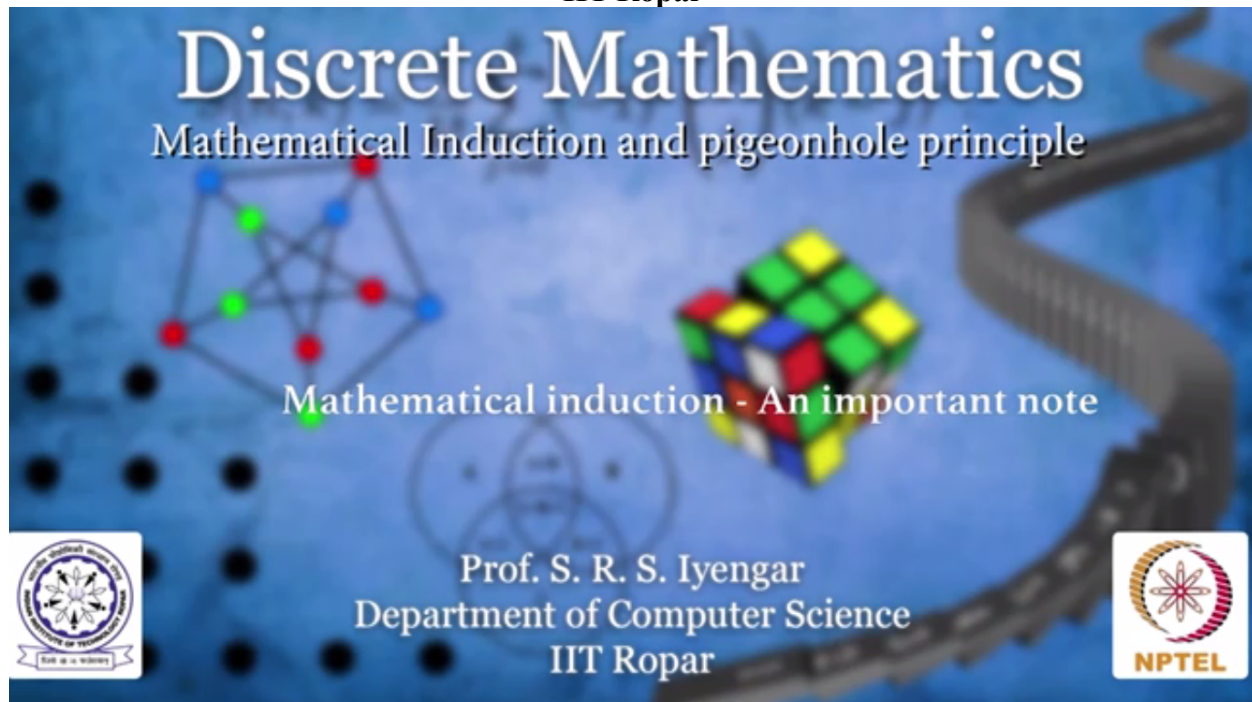


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**Discrete Mathematics
Mathematical Induction and pigeonhole principle**

Mathematical induction - An important note

**Prof. S. R. S. Iyengar
Department of Computer Science
IIT Ropar**



That was a whole lot of examples concerning the application of induction in several contexts of problem solving, but then induction can be deceptive. There are occasions where you might feel induction is actually helping you, but the application of induction can go wrong. One has to exercise extreme caution and care. Here are some such examples.

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