



LECTURE NOTICE

PU Maths Club
For sharing Mathematical knowledge

Lecture of PU MATHS CLUB

by

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Title of the talk:

RUBIK'S CUBE AND GROUP THEORY

Brief Description of talk: See page attached below.

Date and Time: **Monday, April 15, 2019 at 4 PM.**

Venue: **Seminar room, Department of Mathematics, PU Chd.**

Convener

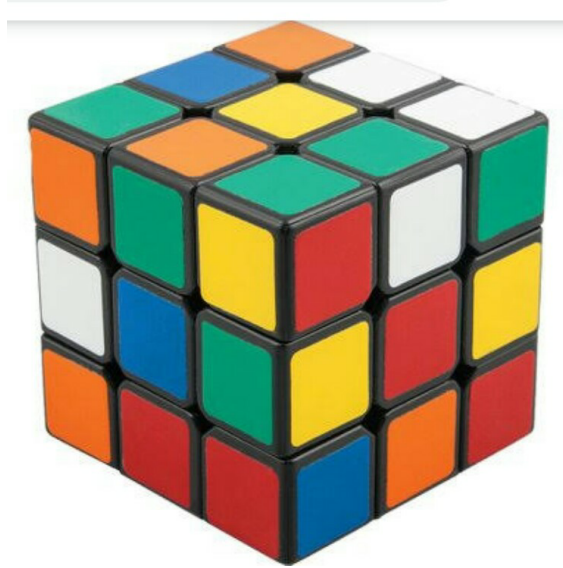
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PU Maths Club

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RUBIK'S CUBE AND GROUP THEORY



- Solving Rubik's Cube is not an easy task, but it becomes almost trivial once a certain core set of algorithms are learned. Using basic group theory, the reason these solutions are not incredibly difficult to find becomes clear.
- The purpose of the presentation is not to learn solving Rubik's Cube, but viewing a puzzle as the Group.
- The presentation will majorly involve three things -
 - 1) Making of the Rubik's Cube into a Group
 - 2) Calculating order of this Group
 - 3) Estimating structure of this Group

Prerequisite:-

- o Basic group theory that involves a little knowledge of Permutations, Symmetric Groups, semi direct products etc.