IIT Gandhinagar

GIAN COURSE ON

Computational Social Choice

By Prof. Edith Elkind, Oxford University

4th December to 8th December 2017, IITGN

The rapidly growing field of computational social choice, at the intersection of computer science and economics, deals with the algorithmic and complexity-theoretic aspects of collective decision making. Some of the classical themes pursued include (but are not limited to) voting procedures, problems of fair division, and matching.

This course addresses several algorithmic and complexity-theoretic themes in computational social choice. The material in this course finds applications in various scenarios, ranging from electing political leaders, hiring talent, choosing Oscar winners, to recommender systems, crowdsourcing, and even issues of fairness and morality in AI applications.

Deadline for Registrations: 10th November 2017

About the instructor. Edith Elkind joined the Oxford Computer Science Department in 2013. She researches game theory and the computation of social choices, and looks at the decisions involved in multi-agent systems such as auctions, elections and co-operative games. Her contributions to the field have been fundamental and far-reaching.

Find out more at: http://events.iitgn.ac.in/2017/comsoc or

Register directly at the GIAN portal: http://www.gian.iitkgp.ac.in/GREGN/index

Queries can be directed to cse+comsoc@iitgn.ac.in