

## **International Seminar on Game theory and its application to Social and Economic Networks**

An International Seminar on Game Theory and its Applications to Social and Economic Networks was organized by the Department of Mathematics, Dibrugarh University during 10-12 December 2014 under the aegis of NBHM and Dibrugarh University. There were 20 international and national speakers presenting their research and 4 research scholars of Dibrugarh University also presented their works before the august gathering. Prof. Sudipta Sarangi from Louisiana State University, USA and DIW, Berlin delivered the Keynote address titled "Economics of Small Things". Researchers and Faculty members from Queen's University, Belfast, IIT Bombay, IIT Ropar, IISc. Bangalore, IFMR, PDP, Ashoka University, Ministry of Earth Science, Govt. of India etc. were present in the seminar.

It was well attended by the research scholars of Dibrugarh University, Tezpur University and IASST, Guwahati. This conference series that started at ISI, Kolkata will continue and the next seminar will be held at IIT, Ropar.

Game theory has become one of the most essential parts of Mathematics, Economics, Political Science, and Psychology. Though game theory created a remarkable momentum in the last few decades, a lot of avenues are still yet open to explore. Social network plays a central role in the transmission of information. Social network analysis requires an interdisciplinary approach. Game theory in network structures help us to understand how a fruitful transmission of information happens in the network of players and which network structure are likely to emerge and survive in a society. Game theory has also been used to develop theories of ethical as well as normative behavior.

Bringing interested young research scholars, young PhDs from different institutes and universities of India together is very much essential for good collaborative work. It is expected that such a gathering will make a platform for the young research scholar to expose and further themselves in this particular field.

The Department of Mathematics thanks the the Vice-Chancellor, Dibrugarh University for his constant support.