Schedule of Beamer Presentations by MA 792 Students: Round I

Venue: Ramanujan Hall, Dept of Mathematics

Saturday, 14th October 2017

10.30 – 11.00 Subhadra Dasgupta: *30-day Readmission Risk Prediction Model*

11.00 – 11.30 Saipriya Dubey: *Revisiting Quadratic Reciprocity Law*

11.30 – 12.00 Priyabrat Mandal: *Von Neumann Regular Rings and Kaplansky's Conjecture*

Afternoon Session:

3.00 – 3.30 Tapendu Rana: *Compact Families of Meromorphic Functions and Picard Theorems*

3.30 – 4.00 Prajakta S. Sahasrabuddhe: *Mathematics behind Rubiks cube*

4.00 – 4.30 Aneek Maiti: *Word Problem for the Braid Group*

Sunday, 15th October 2017

10.30 – 11.00 Wasim Akram: *Solution of Heat Equation using Fourier Transform*

11.00 – 11.30 Amit Patra: *AKS Algorithm*

11.30 – 12.00 Deepanshu Verma: *Proof of Descarte's Isoperimetric Theorem using Fourier series*

Afternoon Session:

3.00 – 3.30 Rekha Khot: *Ramsey theory and its applications*

3.30 – 4.00 Shashank V. Singh: *Artin's Solution of Hilbert's 17th problem*

Tuesday, 17th October 2017

8.45 – 9.15 Rakhi Pratihar: *The Mathematics of Origami*

Schedule of Beamer Presentations by MA 792 Students: Round II

Venue: Ramanujan Hall, Dept of Mathematics

Tuesday, 7th November 2017 (*afternoon)*

3.00 – 3.30 Soumyajit Saha: *Computer Enumeration of 2-Dimensional Pseudomanifolds*

3.30 – 4.00 Shambhu Nath Maurya: *Irreducible Representations of Finite Abelian Groups*

4.00 – 4.30 C. R. Gopikrishnan: *Barbier's solution of Buffon's Needle Problem*

4.30 – 5.00 Reshmi M. N.: *Matrix Lie group and its Connectedness*

Wednesday, 8th November 2017 (*afternoon)*

2.30 – 3.00 Samir Panja: *The Baire Category Theorem and its Applications*

3.00 – 3.30 Lalit Kumar: *Existence and Uniqueness of Weak Solution for Two Point Boundary Value Problem*

3.30 – 4.00 Somyadip Thandar: *injective resolution of modules*

4.00 – 4.30 Krishan Kumar: *Parseval Formula and its Applications*

4.30 – 5.00 Poonam Pokhale: *Gauss sums and the law of Quadratic Reciprocity*