

Research Promotion Workshop on
Introduction to Graph and Geometric Algorithms

PDPM Indian Institute of Information Technology
Design and Manufacturing
Jabalpur, November 1-3, 2012

Program

Time	November 1, 2012 (Thursday)	November 2, 2012 (Friday)	November 3, 2012 (Saturday)
08.30 hr.– 09.15 hr.	Registration		
09.15 hr.– 10.15 hr.	Inauguration: Welcome Address by Director, PDPM IITDM	Sudebkumar Prasant Pal: <i>Geometric Data Structures</i>	Bhaskar Dasgupta: <i>Introduction to Robotics</i>
10.15 hr.– 10.45 hr.	Tea	Tea	Tea
10.45 hr.– 11.45 hr.	Partha Pratim Goswami: <i>Introduction to Computational Geometry</i>	N. S. Narayanaswamy: <i>Perfect Graphs</i>	Amitabha Mukerjee: <i>Robot Motion Planning using Configuration Spaces</i>
11.45 hr.– 12.45 hr.	Arijit Bishnu: <i>Introduction to Randomized Algorithms</i>	Niranjana Balachandran: <i>Graph Coloring</i>	Subir Kumar Ghosh: <i>Robot Online Algorithms: Searching and Exploration</i>
12.45 hr.– 14.00 hr.	Lunch	Lunch	Closing Session and Lunch
14.00 hr.– 15.00 hr.	Sandip Das: <i>Introduction to Approximation Algorithms</i>	Sumit Ganguly: <i>Introduction to Streaming Algorithms</i>	
15.00 hr.– 16.00 hr.	Partha Bhowmick: <i>Isometric Covers for Digital Objects: Algorithms and Applications</i>	Subhashis Banerjee: <i>Projective Geometry for Computer Vision</i>	
16.00 hr.– 16.30 hr.	Tea	Tea	
16.30 hr.– 17.30 hr.	Open Problem Session Chair: Sandip Das	Panel Discussion: <i>Is Research a Good Career Option?</i> Chair: Pritee Khanna	