

REPORT OF THE COMPACT COURSE ON DIFFERENTIAL GEOMETRY

(Submitted by the Local Coordinator on behalf of St. Paul's College)

The Department of Mathematics, St. Paul's College, Kalamassery organized a compact course on Differential Geometry in association with the Ramanujan Mathematical Society. The course is arranged at St. Paul's College during December 1-10, 2014.

There was a brief inaugural ceremony on December 1st at the college Seminar Hall. The meeting was solemnly started with a prayer. The Head of the Department Ms. Valentine D'cruz welcomed the gathering. The college Principal Dr. Edwin Xavier presided over the function. The formal inauguration was done by Prof. A. Vijayakumar, CUSAT who is closely associated with RMS. The vote of thanks was proposed by Dr. Manju K. Menon, Local coordinator of the CC programme.

Prof.M.Narayanan Namboothiri was the Resource person and Ms. Karthika .V assisted him. Students from St.Paul's College, Kalamassery, Bharata Mata College, Thrikkakara and K.M.M College, Thrikkakara participated in the programme. There were altogether 32 in which 22 students were regular participants.

Prof .M.N.N detailed Parameterized Surfaces, Local Equivalence of Surfaces and Parameterized Surfaces. In the beginning of his lecture, he gave an idea about the origin of the study of the surfaces and its importance by specifying the Mathematicians behind it. Every day he gave problems as exercise questions and after his lecturing, Ms. Karthika.V discussed the problems with the students and helped them to solve.

Prof .M.N.N lectured the topics in such a manner that the participants of all levels could understand it and he spent a lot of time to clear their doubts. His method was very nice so that everybody could visualize the concepts of the space in an easy manner.

On December 10th, there was an informal valedictory function in which students and Prof. M.N.N shared their views about the class. The students mentioned that the course was really helpful for them. The classes were encouraging and it increased their confidence level to understand the 'difficult' topics. They are all very much interested audience and he asked them to love the subject by a proper understanding of concepts. Dr. Manju K. Menon thanked both Prof. MNN and Ms. Karthika V for their helps and she proposed a special thanks to Ramanujan Mathematical Society for the financial assistance provided.

Prof. MNN prepared a detailed note on the topics covered and we have distributed the notes to the students. Ms. Karthika V. prepared a question paper consulting with Prof. MNN and we conducted the exam on 31st December 2014 and the marks were tabulated. Since the university exams of the thirds semester PG students commence on 10th January 2015, all the participants couldn't attend the test conducted at our college.

We owe special thanks to Prof. R Balakrishnan for sharing the news of announcement of CC course and all the helps rendered by him. Pauline family thanks Ramanujan Mathematical Society and all its executive committee members, especially Prof. Phoolan Prasad for allowing us to hold the CC at our college. We would like to organize such programmes in future too.