ST. XAVIER'S COLLEGE, MAPUSA GOA

College with Potential for Excellence
Re accredited by NAAC with A Grade
Awarded DBT STAR College Scheme

Nature of Event (Workshop, Guest Lecture, Add on Course,Seminar, etc.)	Faculty Enrichment Programme
Name of Department	Mathematics
Faculty Incharge	Dr. B.C.Nair
Stratum of Event (College, State, Regional, National)	State
Title of Event	Multivariable Calculus
Date of Event	08 December 2022
Venue	Seminar Hall
Resource Person details	Prof. M. Thamban Nair, Former Professor of Mathematics, IIT Chennai & Visiting Faculty, BITS-Pilani, K.K Birla Goa Campus Dr. Himadri Mukherjee, Assistant Professor, Department of Mathematics, BITS-Pilani, K.K Birla Goa Campus
Objective/ Scope of Event	To introduce the geometric view point of multivariable calculus to College mathematics teachers.
Particulars of Event	The Department of Mathematics, St. Xavier's College, Mapusa-Goa organized One Day Faculty Enrichment Programme on "Multivariable Calculus" supported by Department of Biotechnology, Govt. of India under DBT Star College Scheme on 8th December 2022 in the Seminar Hall of St. Xavier's College from 8.45 a.m to 5.00 p.m. This programme was open for Mathematics College teachers from Goa, Research Scholars and M.Sc. students in Mathematics. The main highlights of the programme were as follows: 1)Various types of Differentiability 2)Implicit Function Theorem 3)Maxima and Minima 4)Gradient Descent Algorithm 5)Lagrange Multiplier Method for Extreme Points
Outcome of Event	Participants got new insights into the topics discussed during the lectures.

Feedback	Participants appreciated the lectures.

Total No. of Participants	58

Photographs