

**RAMANUJAN COLLEGE
(UNIVERSITY OF DELHI)**

2020-2021

(GE-III)

Differential Equations Practical File

Submitted By:

Jidhun PP

Roll No. = 20211419

B.Sc. (Hons) Computer Science

Semester III

Submitted To:

Mr. Rahul Singh

INDEX

S.no	Title
1.	Plotting of First Order Solution of Family of Differential Equation
2.	Plotting of Second Order Solution of Family of Differential Equation
3.	Plotting of third order solution of Family of Differential Equation
4.	Solution of Differential Equation by variation of parameter
5.	Solution of System of Ordinary Differential Equation
6.	Solution of Cauchy Problem for First Order Partial Differential Equation
7.	Plotting the Characteristics for the First Order Partial Differential Equation
8.	Plotting integral surface of first order PDE