**RAMANUJAN COLLEGE**

**(UNIVERSITY OF DELHI)**

**2020-2021**

**(GE-III)**

**Differential Equations Practical File**

**Submitted By: Submitted To:**

Jidhun PP Mr. Rahul Singh

**Roll No. =** 20211419

**B.Sc. (Hons) Computer Science**

**Semester III**

**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 |