**All India Shri Shivaji Memorial Society’s Polytechnic**

**Kennedy Road, Near RTO, Pune-411001**

|  |
| --- |
| **GROUP 4** |

**MICRO PROJECT ON :**

**Title of micro project :Prepare chart displaying area of**

**irregular shape using the concept of integration.**

**Course: Applied Mathematics**

**Corse Code: 22224**

**Academic Year: 2022-2023**

**Semester: 2I**

**Name:Rushi Raviraj Gujarathi**

**Roll No:533**

**Enrolment No:2201410263**

**Name of Micro project Guide: Mrs. D.A.Dhumma**

All India Shri Shivaji Memorial Society’s Polytechnic,

Kennedy Road Near RTO, Pune-411 001

**CERTIFICATE**

Certified that this micro project report titled **‘Prepare chart displaying area of irregular shape using the concept of integration** is the bonafide work of Mr.Rushi Raviraj Gujararthi Roll no. 533 of first year diploma in **COMPUTER ENGINEERING** for the course: Applied Mathematics Course code:**22224**during the academic year 2022-2023 , who carried out the micro project work under my supervision.

Name & signature of course teacher

**Mrs. D.A.Dhumma**

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**ANNEXURE I**

**1. Micro Project Proposal**

**Title- -Prepare chart displaying area of irregular shape using the concept of integration**

**1.1Aims/Benefit of the Micro Project:**

1)To identify the curve .

2) Find the are under the curve using concept of integration

**1.2Course Outcomes Addressed:**

**1.C22224**.**Prepare chart displaying area of irregular shape using the concept of integration.**

**1.3Proposed Methodology** (Procedure that will be followed to do the micro project- in about 100-200 words)**:**

Finalize the topic

Find and Collect information

Arrange information

Proofread the information

Review from the teacher

Edit project report as per the suggestions of the teacher

Proofread and finalize the report

Submission of the report

**1.4Action Plan:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Detail of Activity** | **Planned Start date** | **Planned Finish Date** | **Name of Responsible Team Members** |
| **1.** | Finalize the topic | 2/3/2023 | 6/3/2023 | Gujarathi Rushi, |
| **2.** | Find and Collect information | 6/3/2023 | 10/3/2023 | Gujarathi Rushi |
| **3.** | Arrange information | 12/3/2023 | 15/3/2023 | Everyone |
| **4.** | Proofread the information | 18/3/2023 | 18/3/2023 | Everyone |
| **5.** | Review from the teacher | 19/3/2023 | 24/3/2023 | Everyone |
| **6.** | Edit project report as per the suggestions of the teacher | 25/3/2023 | 28/3/2023 | Everyone |
| **7.** | Proofread and finalize the report | 6/4/2023 | 6/4/2023 | Everyone |
| **8.** | Submission of the report | 17/4/2023 | 17/4/2023 | Everyone |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of Resource/Material** | **Specification** | **Qty.** | **Remark** |
| **1.** | **www.wikipedia.com** | **Internet** |  |  |
| **2.** | **Mobile** | **To collect Information** |  |  |
| **3.** | **www. Encyclopedia .com** | **Internet** |  |  |
| **4.** | **Laptop** | **For editing microproject** |  |  |
| **5** | **book** | **For understand the concepts** |  |  |

**Actual Resources Use:**

**1.6 Name of Team Members with Roll Nos:**

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name of Students** | **Roll No** |
| 1 | **GHORPADE TANVI KRISHNA** | 531 |
| 2 | **GIRI SHUBHAM DINESH** | 532 |
| 3 | **GUJARATHI RUSHI RAVIRAJ** | 533 |
| 4 | **GUNJAL MANSI PRAVIN** | 534 |
| 5 | **IYER VISHAL JAIKANTH** | 535 |
| 6 | **JADE OM SHASHIKANT** | 536 |
| 7 | **JADHAV PARAM BHIMRAO** | 537 |
| 8 | **JADHAV SHRAVANI DADASAHEB** | 538 |
| 9 | **JADHAV SHRUTI RAJENDRA** | 539 |
| 10 | **JADHAV YASH YOGESH** | 540 |

**(Name & Signature of faculty)**

**Mrs. D.A.Dhumma**

**ANNEXURE - II**

**1.Micro Project Report**

**Title of the Micro project;Prepare chart displaying area of irregular shape using the**

**concept of integration**

**2 Rationale:**This project is an attempt to initiate the multi-dimensional logical thinking and

reasoning capacity of the students.It will help to solve basic engineering problems

using the concept of integration and to find the area under the given curve .

**3. Aims/Benefits of the Micro Project:**

1) To solve the .problems using integration

2) To find the area of closed curve using concept of integration

**4Course Outcomes Achieved:**

1.C22224.c**Solve basic engineering problems using integral calculus**

**5Literature Review:**

**1.www.wikipedia.com**

**2www.solve mathematics .com**

**3. www.study.com**

**4.www.information .com**

**5.www. Encyclopedia .com**

**6Actaul Methodology Followed**: (Write stepwise work done, data collocted and its analysisis (if

any). The contribution of individual member may also be noted.) **:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No./ Hour No.** | **Date** | **Time** | **Work Done** |
| **1.** | 14/03/2023 | **1 Hour** | **Decided the theme of microproject.** |
| **2.** | 16/03/2023 | **1 Hour** | **Discussed microproject with teacher.** |
| **3.** | 17/03/2023 | **1 Hour** | **Microproject theme approved by teacher.** |
| **4.** | 19/03/2023 | **1 Hour** | **Team Members discussed about microproject.** |
| **5.** | 20/03/2023 | **1 Hour** | **Assigned work to team members.** |
| **6.** | 21/03/2023 | **1 Hour** | **Collected information about microproject.** |
| **7.** | 23/03/2023 | **1 Hour** | **Viewed Team member’s progress** |
| **8.** | 24/03/2023 | **1 Hour** | **Reviewed work of memebers** |
| **9.** | 25/03/2023 | **1 Hour** | **Helped weak members complete their part** |
| **10.** | 26/03/2023 | **1 Hour** | **Completed Microproject** |
| **11.** | 27/03/2023 | **1 Hour** | **Edited and Merged Microproject** |
| **12.** | 28/03/2023 | **1 Hour** | **Demonstrated microproject to the teacher** |
| **13.** | 5/04/2023 | **1 Hour** | **Asked Teacher’s suggestions on our microproject** |
| **14.** | 8/04/2023 | **1 Hour** | **Re-edited mistakes and faults** |
| **15.** | 9/04/2023 | **1 Hour** | **Finalized the microproject** |
| **16.** | 15/04/2023 | **1 Hour** | **Submitted micro project to the teacher** |

**7Actual Resource Used:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of Resource/Material** | **Specification** | **Qty.** | **Remark** |
| **1.** | **www.wikipedia.com** | **Internet** |  |  |
| **2.** | **www. Encyclopedia .com** | **Internet** |  |  |

**8.0 Outputs of the Micro project** (Presentation of data, findings, drawing etc.)**:**

**9.0Skill developed / Learning outcome of the Micro-Project:**

**Student will able to :**

1)solve elementary engineering problem using the concept of integration .

2) To find the area under the curve using the concept integration

3. Demonstrate working as a leader / team member

**10Applications of the Micro-Project:**

Apply the concept of integral calculus to solve engineering related problems