

**MVPS’s**

**RAJARSHI SHAHU MAHARAJ POLYTECHNIC,**

**NASHIK.**

**DEPARTMENT OF COMPUTER TECHNOLOGY.**

**ACADEMIC YEAR 2021-22**

**OPERATING SYSTEM (22516)**

MICRO-PROJECT

ON

**“Prepare Help Guide Using Shell Script for All Major Linux Commands”**

SUBMITTED BY

|  |  |  |  |
| --- | --- | --- | --- |
| **SR. NO** | **ENROLLMENT NO** | **EXAM SEAT NO** | **STUDENT NAME** |
| 1 | 1910020362 |  | Savant Omkar Vitthal |
| 2 | 1910020363 |  | Sawant Diksha Pravin |
| 3 | 1910020364 |  | Shimpi Om Vilas |



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

Certificate

This is to certify that Ms./Mr. **\_\_\_\_\_**Savant Omkar Vitthal**\_\_\_\_\_\_\_\_\_\_\_\_\_\_** Roll **No. \_\_**46**\_** of 5th semester of Diploma in **Computer Technology** of Institute **MVPS’s Rajarshi Shahu Maharaj Polytechnic, Nasik (Code: 1002)** has successfully completed micro-project in **OPERATING SYSTEM (22516)** for academic year 2021-22 as prescribed in curriculum of MSBTE, Mumbai.

|  |  |
| --- | --- |
| Place: Nashik | Enrollment No.: 1910020362 |
| Date: …………. | Exam Seat No.: ……………... |

|  |  |  |
| --- | --- | --- |
| **Mr. R. S. Derle** | **Mr. P. D. Boraste** | **Prof. Dr. D. B. Uphade** |
| **Course Teacher/Guide** | **H.O.D** | **Principal** |

|  |  |
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| E:\NBA DATA\photo.jpg | **MVPS’s RAJARSHI SHAHU MAHARAJ POLYTECHNIC,NASIK** |
| **Institute Code: 1002** |
| **COMPUTER TECHNOLOGY DEPARTMENT** |

**Log Book for Micro Project**

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| --- | --- |
| **Academic Year : 2021-22** | **Scheme: I** |
| **Semester : V** | **Class: TYCM** |
| **Name of Course : Operating System (OSY)** | **Course Code: 22516** |

**Title of the project:** **Prepare Help Guide Using Shell Script for All Major Linux Commands**

**Group Members:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.No.** | **Roll No.** | **Enrollment Number** | **Exam Seat No.** | **Name of the Student** | **Signature of student** |
| 1 | 46 | 1910020362 |  | Savant Omkar Vitthal |  |
| 2 | 47 | 1910020363 |  | Sawant Diksha Pravin |  |
| 3 | 48 | 1910020364 |  | Shimpi Om Vilas |  |

**Project Reporting:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Date** | **Discussion & details** | | **Group members present** | **Teacher’s comment/ remark** | **Signature of teacher** |
| 1 |  | Formation of groups | |  |  |  |
| 2 |  | Discussion on concept of Micro Project | |  |  |  |
| 3 |  | Topic selection for the Micro Project | |  |  |  |
| 4 |  | Preliminary discussion with guide | |  |  |  |
| 5 |  | Submission of Micro Project proposal | |  |  |  |
| 6 |  | Information Gathered | |  |  |  |
| 7 |  | Literature survey (Introduction) | |  |  |  |
| 8 |  | Discussion with guide | |  |  |  |
| 9 |  | Design of GUI and output | |  |  |  |
| 10 |  | Code generation of modules | |  |  |  |
| 11 |  | Error Evaluation | |  |  |  |
| 12 |  | Merging of all individual modules into one single module | |  |  |  |
| 13 |  | Draft copy of report. | |  |  |  |
| 14 |  | Final report writing | |  |  |  |
| 15 |  | Presentation & oral | |  |  |  |
| 16 |  | Final submission | |  |  |  |
| E:\NBA DATA\photo.jpg | | | **MVPS’s RAJARSHI SHAHU MAHARAJ POLYTECHNIC,NASIK** | | | | |
| **Institute Code: 1002** | | | | |
| **COMPUTER TECHNOLOGY DEPARTMENT** | | | | |

**Rubrics for Evaluation of Micro Project**

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| --- | --- |
| **Academic Year: 2021-22** | **Scheme: I** |
| **Semester: V** | **Class: TYCM** |
| **Name of Course: Operating System (OSY)** | **Course Code: 22516** |

**Group Members:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.No.** | **Roll No.** | **Enrollment Number** | **Exam Seat No.** | **Name of the Student** | **Signature of student** |
| **1** | 46 | 1910020362 |  | Savant Omkar Vitthal |  |
| **2** | 47 | 1910020363 |  | Sawant Diksha Pravin |  |
| **3** | 48 | 1910020364 |  | Shimpi Om Vilas |  |

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| **Sr.No.** | **Criteria** | **Indicators of different levels of performance** | | | | | **Marks obtained** |
| **Poor**  **(01)** | **Satisfactory**  **(02)** | **Good**  **(03)** | **Very**  **Good**  **(04)** | **Excellent**  **(05)** |
| **1** | **Selection Of Application (Programming Elements)** |  |  |  |  |  |  |
| **2** | **Concept/ Content/ Function Descriptions** |  |  |  |  |  |  |
| **3** | **Coding** |  |  |  |  |  |  |
| **4** | **Error solving** |  |  |  |  |  |  |
| **5** | **Timely Submission** |  |  |  |  |  |  |
| **Total marks Out of 25** | | | | | | |  |
| **Marks Out of 6** | | | | | | |  |

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|  | **Mr. R. S. Derle** |
|  | **Name & Signature of Course Teacher/Guide** |
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| **Institute Code: 1002** |
| **COMPUTER TECHNOLOGY DEPARTMENT** |

**ANNEXTURE II**

|  |  |  |
| --- | --- | --- |
| **Academic Year:** **2021-22** | **Name of Faculty:** **Mr. R. S. Derle** | |
| **Course:** **Operating System (OSY)** | **Course code:** **22516** | **Semester:** **V** |

**Title of the project: Prepare Help Guide Using Shell Script for All Major Linux Commands**

**COs addressed by the Micro Project:**

**CO-516.1** Install Operating System and configure it

**CO-516.2** Use Operating system tools to perform various functions

**CO-516.3** Execute process commands for performing process management operations

**CO-516.4** Apply scheduling algorithms to calculate turnaround time and average waiting time

**CO-516.5** Calculate efficiency of different memory management Techniques

**CO-516.6** Apply File management techniques.

**Major learning Outcomes achieved by students by doing the Project:**

1. **Practical Outcomes** ……………………………………………………………………………………………………………………………………………………………………………………………………
2. **Unit outcomes in cognitive domain** ……………………………………………………………………………………………………………………………………………………………………………………………………
3. **Outcomes in affective domain** ……………………………………………………………………………………………………………………………………………………………………………………………………

**Comment/Suggestions about team work/leadership/inter-personal communication (if any)** …………………………………………………………………………………………………………………………………………………………………………………………………………………………

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| --- | --- | --- | --- | --- | --- | --- |
| **Roll. No.** | **Enrollment No.** | **Exam Seat No.** | **Student Name** | **Marks out of 6 for performance in group activity** | **Marks out of 4 for performance oral/ presentation** | **Total out of 10** |
| 46 | 1910020362 |  | Savant Omkar Vitthal |  |  |  |
| 47 | 1910020363 |  | Sawant Diksha Pravin |  |  |  |
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| **Course Teacher/Guide** |  | **H.O.D** |