

**MVPS’s**

**RAJARSHI SHAHU MAHARAJ POLYTECHNIC,**

**NASIK**

**Subject**

**Data Structure Using ‘C’ (22317)**

**MICRO-PROJECT**

**ON**

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**Submitted By**

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| --- | --- | --- | --- |
| **SR. NO** | **ENROLLMENT NO** | **EXAM SEAT NO** | **STUDENT NAME** |
| 1 |  |  |  |
| 2 |  |  |  |
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**Guided By**

Prof. G.N.Handge

**COMPUTER TECHNOLOGY DEPARTMENT**

**ACADEMIC YEAR 2020-21**



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

Certificate

This is to certify that Ms./Mr. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No.\_\_\_\_\_\_\_ of 3rd semester of Diploma in **Computer Technology** of Institute **MVPS’s Rajarshi Shahu Maharaj Polytechnic, Nasik (Code: 1002)** has successfully completed micro-project in **Data Structure Using ‘C’ (22317)** for academic year 2020-21 as prescribed in curriculum of MSBTE, Mumbai.

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| Place:………… | Enrollment no.:…………………. |
| Date:…………. | Exam seat no:…………………... |

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| **Prof.G.N.Handge** | **Prof.P.D.Boraste** | **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 :- 2020-21** | **Scheme :- I** |
| **Semester :- III** | **Class:- SYCM** |
| **Name of Course :- Data Structure Using ‘C’** | **Course Code:- (22317)** |

**Title of the project:** …………………………………………………………………

**Group Members:-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.No.** | **Roll No.** | **Enrollment Number** | **Exam Seat No.** | **Name of the Student** | **Signature of student** |
| 1 |  |  |  |  |  |
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**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 |  | Information Sorting | |  |  |  |
| 10 |  | Chapter Sequencing and Designing. | |  |  |  |
| 11 |  | Reporting to guide about Chapters. | |  |  |  |
| 12 |  | Merging of all individual chapters into one single project | |  |  |  |
| 13 |  | Draft copy of report. | |  |  |  |
| 14 |  | Final report | |  |  |  |
| 15 |  | Presentation & oral | |  |  |  |
| 16 |  | Final submission | |  |  |  |
| E:\NBA DATA\photo.jpg | | | **Prof.G.N.Handge**  **Name & Signature of Course Teacher/Guide** | | | |
| **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 :- 2020-21** | **Scheme :- I** |
| **Semester :- III** | **Class:- SYCM** |
| **Name of Course :- Data Structure Using ‘C’** | **Course Code:- (22317)** |

**Group Members:-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.No.** | **Roll No.** | **Enrollment Number** | **Exam Seat No.** | **Name of the Student** | **Signature of student** |
| **1** |  |  |  |  |  |
| **2** |  |  |  |  |  |
| **3** |  |  |  |  |  |

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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 Topic** |  |  |  |  |  |  |
| **2** | **Concept/ Content/ Function Descriptions** |  |  |  |  |  |  |
| **3** | **Report Designing and Understanding** |  |  |  |  |  |  |
| **4** | **Questions and Answers** |  |  |  |  |  |  |
| **5** | **Timely Submission** |  |  |  |  |  |  |
| **Total marks Out of 25** | | | | | | |  |
| **Marks Out of 6** | | | | | | |  |

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|  | **Prof.G.N.Handge** |
|  | **Name & Signature of Course Teacher/Guide** |

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| **Institute Code: 1002** |
| **COMPUTER TECHNOLOGY DEPARTMENT** |

**ANNEXTURE II**

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| --- | --- | --- |
| **Academic Year:** 2020-2021 | **Name of Faculty:** Prof.G.N.Handge | |
| **Course: Data Structure Using ‘C’** | **Course code:(22317)** | **Semester:** III |

**Title of the project:** ………………………………………………………………………….

**COs addressed by the Micro Project:**

**CO-317.1** Perform basic operation on array.

**CO-317.2** Apply different searching and sorting techniques.

**CO-317.3** Implement basic operations on stack and queue using array representation.

**CO-317.4** Implement basic operations on Linked List.

**CO-317.5** Implement program to create and traverse tree to solve problems.

**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** |
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| **Prof. G.N.Handge** |  | **Prof.P.D.Boraste** |
| **Course Teacher/Guide** |  | **H.O.D** |