**COMPUTER ENGINEERING**

**TITLE OF MICRO-PROJECT: -** MICRO-PROJECT ON DOUBLE LINKED LIST

**GROUP MEMBERS**

**ROLL NO CLASS NAME OF MEMBER**

2202 C03I VARUN CHAUDARY

(GROUP LEADER)

2203 CO3I DRAVIN CHAUHAN

2217 CO3I HERAMB PAWAR

**GUIDE NAME: -**

MRS. Sharmila Wankhede

**PART A PLAN**

**TITLE: -** MICRO-PROJECT ON DOUBLE LINKED LIST**.**

1. **BRIEF DESCRIPTION: -**

* DOUBLE LINKED LIST IS USED IN UNDO REDO FUNCTIONALITY.
* DOUBLE LINKED LIST IS USED TO REPRESENT A DECK OF CARDS IN A GAME.
* DOUBLE LINKED LIST IS USED IN APPLICATION THAT HAVE THE FUNCTION OF DISPLAYING THE RECENT ACTIVITIES.
* THE PROJECT CONSIST OF 4 MAIN MODULES THAT ARE AS FOLLOWS: -

1. CREATE A DOUBLE LINKED LIST, THIS CREATES A NEW NODE.
2. DISPLAY A DOUBLE LINKED LIST; THIS DISPLAYS THE NODES PRESENT IN THE LIST.
3. INSERT An ELEMENT IN THE LIST THIS OPTION HELPS TO INSERT ELEMENT IN THE NODE.
4. DELETE An ELEMENT FROM THE LIST, IT DELETES THE NODE AND THE ELEMENTS STORED IN IT.
5. **AIM OF MICRO-PROJECT: -**

THE MICRO-PRJECT AIMS AT

* BY USING ‘C’ LANGUAGE, APPLICATION OF DATA STRUCTURE CAN BE MORE EASILY DEVELOPED.
* DETAIL STUDY OF LINKED LIST DATA STRUCTURE.
* TO PERFORM VARIOUS OPERATIONS ON LINKED LIST.
* STUDY OF NEW HEADER FILE THAT IS MEMORY ALLOCATION AND DE-ALLOCATION(MALLOC.H).

**3.0 ACTION PLAN: -**

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| **SR NO** | **DETAIL OF ACTIVITIES** | **PLAN START DATE** | **PLAN END DATE** | **NAME OF TEAM MEMBERS** |
| 1 | GROUP FORMED ACCORDING TO ROLL NO & GROUP LEADERS WERE ELECTED ALSO DETAILED INFORMATION ON MICRO PROJECT WAS GIVEN | 26/06/19 | 05/07/19 | VARUN CHAUDHARI |
| 2 | FINALIZATION OF MICROPROJECT AS WELL AS DETAILED DISCUSSION REGARDING TOPIC | 08/07/19 | 19/07/19 | DRAVIN CHAUHAN |
| 3 | PLANNING OF MICRO-PROJECT REGARDING LANGUAGE, RESOURCES, SOFTWARE USED, SUBMISSION DATE AND COMPLETING PART A PLAN OF MICRO – PROJECT | 22/07/19 | 02/08/19 | HERAMB  PAWAR |
| 4 | COMPLETE ANALYSIS OF DESIGN PART OF MICRO-PROJECT & DISTRIBUTION OF MODULE AMONG GROUP MEMEBERS | 05/08/19 | 16/08/19 | VARUN CHAUDARI |
| 5 | DESIGNING ALGORITHIM AND FLOW CHART FOR MICRO-PROJECT AND GETTING IT FINALIZED BY THE GUIDE | 19/08/19 | 30/08/19 | DRAVIN CHAUHAN |
| 6 | IMPLEMENTATION OF ALGORITHM ON PROJECT BY WRITING CODE FOR EACH MODULE AND TESTING THE OUTCOME OF MICRO-PROJECT | 02/09/19 | 13/09/19 | HERAMB PAWAR |
| 7 | PRESENTATION OF 1ST PART OF MICRO-PROJECT INFRONT OF GUIDE BY EACH GROUP MEMBER AND  PREPARING OF PART B PLAN FOR MICRO-PROJECT | 16/09/19 | 27/09/19 | VARUN CHAUDHARI |
| 8 | SUBMISSION OF MICRO-PROJECT | 30/09/19 | 11/10/19 | HERAMB PAWAR |

1. **RESOURCES USED :-**

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| --- | --- | --- | --- | --- |
| **SR NO** | **NAME OF RESOURCES REQUIRED** | **SPECIFICATION** | **QUANTITY** | **REMARKS** |
| 1 | COMPUTER | **PROCESSOR-AMD**  **HARD DISK-2 TB**  **RAM-16GB**  **OPERATING SYSTEM-WINDOWS 10 PRO** | 1  1  1  1 | HARDWARE & SOFTWARE USED |
| 2 | TURBO C | TURBO 4.0 |  | IDE & COMPILER FOR  C++ PROGRAMMING |
| 3 | PROGRAMMING LANGUAGE | C |  | PROGRAMMING LANGUAGE |