**CCS0015-Data Structures & Algorithms**

**MACHINE PROBLEM**

**AN21**

***Submitted By:***

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***Submitted To:***

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* + - * You must provide the following:
        + **Flowchart** of the Program Logic
        + A **table summarizing all the data structures/ADT used, algorithms, functions, files and classes** with corresponding description.
        + A **table summarizing the division of labor** per team member.
        + **Program Listings / source codes**.
        + **Print Screens of Sample Outputs**. **5 for Valid Inputs and 5 for Invalid Inputs**
      * Follow the format specifications below:
        + Font Size – 10 pt.
        + Font – Calibri
        + Left, Right, Top, Bottom Margin – 1”
        + Paragraph Spacing – Single

1. **FLOWCHART**
2. A **table summarizing all the data structures/ADT used, algorithms, functions, files and classes** with corresponding description.

**Table of Functions**

|  |  |  |
| --- | --- | --- |
| **Function Name** | **Scope**  **(Local / Global)** | **Purpose** |
|  |  |  |
|  |  |  |

**Table of Classes**

|  |  |  |
| --- | --- | --- |
| **Class Name** | **Scope**  **(Public /Private)** | **Purpose** |
|  |  |  |
|  |  |  |

**Table of Data Structures/ADT**

|  |  |  |
| --- | --- | --- |
| **Identifier Name** | **Type of Data Structure/**  **ADT Operations** | **Purpose** |
|  |  |  |
|  |  |  |

**Table of Algorithms**

|  |  |  |
| --- | --- | --- |
| **Algorithm Name** | **In what part of the program was it applied** | **Purpose** |
|  |  |  |
|  |  |  |

1. A **table summarizing the division of labor** per team member.

**Division of Labor**

|  |  |  |
| --- | --- | --- |
| **Function Name** | **Author/Developer** | **Date Completed** |
|  |  |  |
|  |  |  |
|  |  |  |

1. **Program Listings / source codes**.
2. **Print Screens of Sample Outputs**. **5 for Valid Inputs and 5 for Invalid Inputs**