**IMPLEMENTATION OF THE PROGARM**

1. First Lab allotment should be done using the below mentioned function

**Laballot(<course code>,<day>,<period>,<class array>,<teacher array>)**

**Day:**

Monday-0

Tuesday-1

Wednesday-2

Thursday-3

Friday-4

Period:

1. 1st hour
2. 2nd hour
3. 3rd hour
4. 4th hour
5. 5th hour’
6. 6th hour
7. 7th hour

**Class array**-two dimensional array of the class with 5 rows and 7 columns

**Teacher array**- two dimensional array of teacher with 5 rows and 7 columns

NOTE:

Course code should contain last four digits characters should not be given

1. **allot(<course code>,<count>,<class array>,<teacher array>)**

**Count**-number of periods

**Class array**-two dimensional array of the class with 5 rows and 7 columns

**Teacher array**- two dimensional array of teacher with 5 rows and 7 columns

NOTE:

* Course code should contain last four digits characters should not be given
* This functions travels diagonally from top left

1. **allot1(<course code>,<count>,<class array>,<teacher array>)**

**Count-**number of periods

**Class array**-two dimensional array of the class with 5 rows and 7columns

**Teacher array**- two dimensional array of teacher with 5 rows and 7 columns

NOTE:

* Course code should contain last four digits characters should not be given
* This functions travels diagonally from bottom right

1. **randomallot(<course code>,<count>,<class array>,<student array>)**

**Count**-number of periods

**Class array**-two dimensional array of the class with 5 rows and 7 columns

**Teacher array**- two dimensional array of teacher with 5 rows and 7 columns

NOTE:

* + - Course code should contain last four digits characters should not be given
    - First check for allot if the program doesn’t get compile then it indicates that all the periods in any one of the is fully occupied or there is no free slots for allotment if this is the case then proceed to allot1 ,if this isn’t working as well compile with random allot

1. **freeallot(<class array>)**

**Class array**-two dimensional array of the class with 5 rows and 7 columns

1. **printt(<class array>,<semester,section>)**

**Class array**-two dimensional array of the class with 5 rows and 7 columns

**Semester,section**-specify the semester and section in this format 3B

NOTE:

this is used to print time table of class in the standard output

1. **printtc(<teacher array>,<teacher code>)**

**Teacher array**- two dimensional array of teacher with 5 rows and 7 columns

**Teacher code**-short form of the teacher name

1. **print(<class array>,<semester,section>)**

**Class array**-two dimensional array of the class with 5 rows and 7 columns

**Semester,section**-specify the semester and section in this format 3B

NOTE:

this is used to convert time table of class into a document file with tabular structure