**LABORATORY**

Table 1. Initial LABORATORY ROOM 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | | | | |  |  |  |  |
| B | | | | |  |  |  |  |
| C | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Table show instructor No Day and No time schedule on a same laboratory room

1. Instructor One handling laboratory subject (LAB 1)
2. Instructor Two handling laboratory subject (LAB 2)
3. Instructor Three handling laboratory subject (LAB 3)

The algorithm will set the subjects interval and a contact class of 4 hours

* if the subjects has same start time the algorithm should adjust the second or the next subject to to the end of prior subject schedule.

LABORATORY ROOM 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 8:00AM | 12:00NN | 1:00PM | 5:00PM | 6:00 | 9:00PM |
| Monday | A |  | B |  | C |  |

* If the subject has overlapped the allotted time of 8 hrs a day the algorithm should schedule the subject to the next available day.

LABORATORY ROOM 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 8:00AM | 12:00NN | 1:00PM | 5:00PM | 6:00 | 9:00PM |
| Monday | A |  | B |  |  |  |
| Tuesday | C |  |  |  |  |  |

* If the laboratory room is occupied for the whole week, the algorithm will proceed to the next available room.
* Then repeat the process.

**LECTURE ALGORITHM**

Laboratory algorithm is same with the lecture scheduling with contact time of 1:30 per session, two times session per week.

* Lecture Day session will be scheduled in alternate day.
* If the lecture room was occupied for the week, the algorithm will proceed to next lecture room.
* Then repeat the process.

**PWD personnel algorithm**

All PWD personnel handled subjects will be schedule to its college lecture room and laboratory room.

The lecture subjects will be schedule in one specific room

* The algorithm will get the available college lecture room
* Then schedule the subjects with contact hrs of 1:30
* If the preceding subject has the same start time as the current subject, the subject will be schedule next to prior subject.
* If the subject has overlapped the allotted time of 8 hrs a day the algorithm should schedule the subject to the next available day.

The laboratory subjects will be schedule in one specific room

* The algorithm will get the available college laboratory room
* Then do the laboratory scheduler algorithm