# **Milestone 1 Term Project**

Project ID: CS311-G25

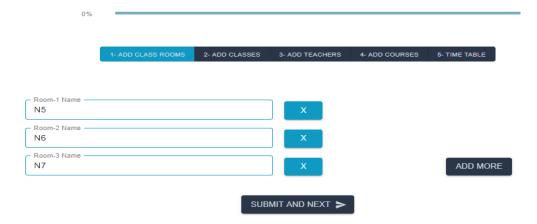
Name: Zahid Ali; Roll No: 2018-CS-136

Name: Abdul Samad; Roll No: 2018-CS-141

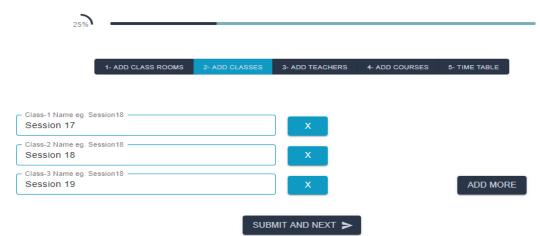
# **Algorithm Description:-**

We will use our own scheduler Algorithm to build the automated Web tool that can generate an optimized timetable. We will enter basic data (i.e., rooms, classes, teachers and their available time slots and course details), and it will output an optimized timetable considering all the constraints and limitations that are defined. On satisfying all these constraints, the algorithm will generate the best possible Timetable.

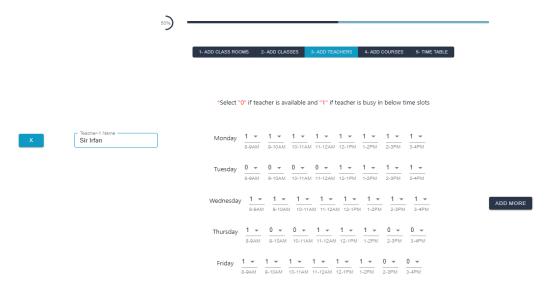
#### 1- Add Classrooms:-



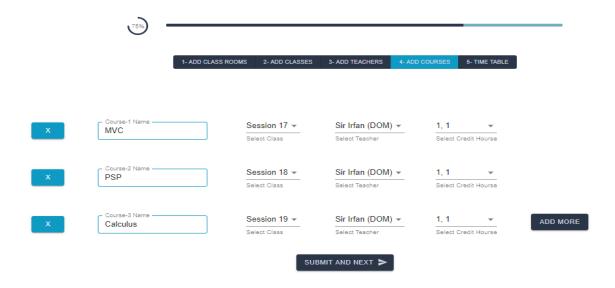
#### 2- Add Classes:-



#### 3- Add Teachers:-



## 4- Add Courses:-



## 5- Generate Timetable:-



## 6- Generated Tables:-

Class Name: Session 18

DAYS	8-9AM	9-10AM	10-11AM	11-12AM	12-1PM	1-2PM	2-3PM	3-4PM
MONDAY	PPSD, Sir Hassan (DSE), N6	0	COAL, Sir Tayyab (DOCS), N6	PPSD, Sir Hassan (DSE), N6	0	0	0	0
TUESDAY	OOP, Sir Ali (DCS), N6	OOP, Sir Ali (DCS), N6	PPSD, Sir Hassan (DSE), N6	0	0	FE, Sir Imran (DOE), N5	0	0
WEDNESDAY	COAL lab, Sir Fakhar (DOCSL), N6	COAL lab, Sir Fakhar (DOCSL), N6	COAL lab, Sir Fakhar (DOCSL), N6	0	0	0	COAL, Sir Tayyab (DOCS), N6	COAL, Sir Tayyab (DOCS), N6
THURSDAY	0	0	PSP, Sir Irfan (DOM), N5	0	0	FE, Sir Imran (DOE), N5	0	PSP, Sir Irfan (DOM), N5
FRIDAY	OOP lab, Sir Farooq (DCSL), N5	OOP lab, Sir Farooq (DCSL), N5	OOP lab, Sir Farooq (DCSL), N5	0	0	0	0	0

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Class Name: Session 17

DAYS	8-9AM	9-10AM	10-11AM	11-12AM	12-1 <b>P</b> M	1-2PM	2-3PM	3-4PM
MONDAY	TWPS, Sir Imran (DOE), N5	TWPS, Sir Imran (DOE), N5	TWPS, Sir Imran (DOE), N5	OS, Sir Tayyab (DOCS), N5	0	0	0	0
TUESDAY	MVC, Sir Irfan (DOM), N5	MVC, Sir Irfan (DOM), N5	OS, Sir Tayyab (DOCS), N5	DSA, Sir Ali (DCS), N5	0	0	SE, Sir Hassan (DSE), N5	SE, Sir Hassan (DSE), N5
WEDNESDAY	DSA lab, Sir Farooq (DCSL), N5	DSA lab, Sir Farooq (DCSL), N5	DSA lab, Sir Farooq (DCSL), N5	0	0	0	CS17, Sir Tufail (DOH), N5	CS17, Sir Tufail (DOH), N5
THURSDAY	DSA, Sir Ali (DCS), N5	OS, Sir Tayyab (DOCS), N5	0	DSA, Sir Ali (DCS), N5	0	0	0	0
FRIDAY	0	0	0	0	0	0	0	0

Class Name: Session 19

DAYS	8-9AM	9-10AM	10-11AM	11-12AM	12-1PM	1-2PM	2-3PM	3-4PM
MONDAY	0	ITC, Sir Tayyab (DOCS), N6	SD, Sir Hassan (DSE), N7	0	0	0	0	0
TUESDAY	0	0	0	BE, Sir Imran (DOE), N6	0	0	0	0
WEDNESDAY	PF, Sir Ali (DCS), N7	PF, Sir Ali (DCS), N7	SD, Sir Hassan (DSE), N7	0	0	0	0	0
THURSDAY	ITC, Sir Tayyab (DOCS), N6	SD, Sir Hassan (DSE), N6	0	ITC, Sir Tayyab (DOCS), N6	0	0	Calculus, Sir Irfan (DOM), N5	0
FRIDAY	BE, Sir Imran (DOE), N6	BE, Sir Imran (DOE), N6	PF, Sir Ali (DCS), N6	0	0	0	Calculus, Sir Irfan (DOM), N5	0

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