UNIFIED TIME TABLE

Code.init()

Team HackFromHome

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Django, PostgreSQL, Bootstrap

NIT Calicut

Problem

Unified Time Table

Problem 1

To change slot of 1 course, CR/Teacher takes lot of time to find one without clashes (Teacher, Seniors, MCA, Electives)

Problem 2

Students have to use 3rd party tools to make time table

Problem 3

CR needs to circulate google form to find interest of students concerning a change in timetable

Slot time table given

DAY	8.00 – 9.00	9.00 – 10.00	10.15 - 11.15	11.15 - 12.15	1.00 – 2.00	2.00 - 3.00	3.00 – 4.00	4.00 – 5.00	5.00 – 6.00
	1	2	3	4	5	6	7	8	9
MON	A	F	D	B	G	E+	-	-	H
TUE	B	G	E	C	A+	F+	-	-	H
WED	C	A	F	D	H	G+	-	-	E@
THU	D	B	G	E	-	C+	-	-	G@
FRI	E	C	A	F	H+	B+	-	-	D+

Students have to cross check with slot time table to create theirs

								(Repeaters Batch) [SZ]
S3 B Tech A Batch		CS2001D Logic Design [TMS]		CS2006D Discrete Structures [MK]		CS2002D Program Design [SR]	MA2001D Mathematics III [Maths-1]	
S3 B Tech B Batch		CS2001D Logic Design [TV]		CS2006D Discrete Structures [VP]		CS2002D Program Design [SM]	MA2001D Mathematics III [Maths-1]	
S5 B Tech A Batch	CS3003D Operating Systems [SK]	CS3002D Database Management Systems [KAN]	MS3001D Engineering Economics [Dr. Althaf S]	CS3001D Theory of Computation [JP]	CS4050D Design and Analysis of Algorithms* [SZ] **OR** CS4021D Number Theory & Cryptography* [HVN]	CS4022D Principles of Programming Languages* [SN]	CS3007D Object Oriented Systems* [CS1, CS2] **OR** CS4067D Foundations of Programming* [PVK, VP]	
S5 B Tech B Batch	CS3003D Operating Systems [VAR]	CS3002D Database Management Systems [MP]	MS3001D Engineering Economics [Dr. Althaf S]	CS3001D Theory of Computation [RH]				
S7 B Tech A Batch		CS4023D Artificial Intelligence [GG]	CS4044D Machine Learning* [GG, PD]	[DE / OE] CS4046D Computer Vision* [LA] **OR** CS4049D Advanced Computer Networks* [SNB]	[DE / OE] CS4050D Design and Analysis of Algorithms* [SZ] **OR** [DE /OE] CS4021D Number Theory & Cryptography*	[DE / OE]CS4028D Quantum Computing* [PC] **OR** [DE / OE] CS4022D Principles of Programming Languages*	CS4067D Foundations of Programming* [PVK, VP] **OR** [DE / OE]CS4042D Web Programming [CS3, AMC]	[DE / OE]CS4057D Embedded Systems* [JPB] **OR** [DE / OE]CS4063D Topics in Cryptography* [JJ]

The Solution

- A centralized time table
- Students/teachers can login using nitc mail (google-alluth) to view their timetable
- If CR/Teacher wants any change, they can view the free slots and once both CR and Teacher agrees, the data will be upated in central database and all concerned students/teacher will be notified
- The free slots will be selected after checking teacher's time table and all the students in that batch (There maybe seniors, MCA, global electives...)
- We expect DSS to provide the student/teacher/course details

Other Reasons to choose this Problem

- Not much emphasis on security/payment
- Even if some teachers are not willing to use this, others can use it since it does not change their schedule.
- We can scale up the implementation step by step.

Future Work Plan

- The teacher can appoint the CR from the website for that course (for the timetable purpose).
- If students' vote is required for a change, it can be included.
- If a change has happened, the concerned teachers/CR can be notified because some new opportunities might arise due to the change.
- We can save history to revert changes.
- Optimize Database

Thank You