Office Calendar System for Collaboration

● ● ●

Education, Office, and Sports

- DATA PyRATES

Features

- This system will create a collaborative calendar for office employees which will check for free slots among the two parties and display a time window for employees who want to discuss / meet.
- Time will be computed using UTC for different time zones and will be converted back to local time as per the employees location so that there is not conflict between the times of two employees working is different time zones.
- Automatic attendance calculation will be calculated based on the tasks completed / hours worked.
- Monitoring server traffic with Automatic database approval for maintenance.
- Scraping important points from an email

- Auto-generated request for change in meeting times

- The data will be a time series where task will be stored for every employee.
- The empty time slots will be checked for 2 or more employees to collaborate and work together.
- The schedule will be monitored in UTC time to avoid the conflicting time if the employees are from 2 different time zones.
- Automatic attendance will be monitored based on the schedule and stored in the database / dictionary

Enter Name of Five-Day Event

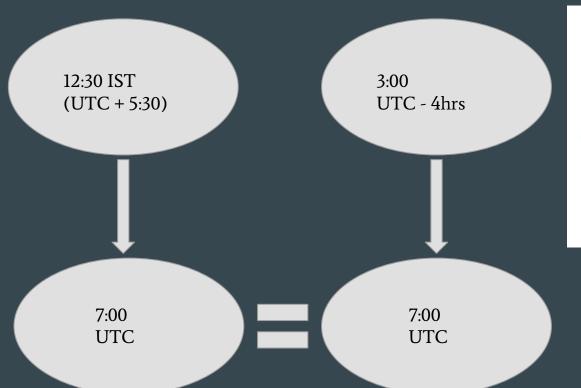Add more information about your five-day event.

Hosted by: Enter your Family Name

TIME	01-11-2021 Day 1 Activities	02-11-2021 Day 2 Activities	03-11-2021 Day 3 Activities	04-11-2021 Day 4 Activities	05-11-2021 Day 5 Activities
9:00-9:30					
9:30-10:30					
10:30-10:45	Break	Break	Break	Break	Break
10:45-11:15					
11:15-11:45					
11:45-1:15	Lunch	Lunch	Lunch	Lunch	Lunch
1:15-1:45					
1:45-2:15					
2:15-2:30	Break	Break	Break	Break	Break
2:30-3:00					
3:00-3:30					
3:30-3:45	Break	Break	Break	Break	Break
3:45-4:15					
4:15-4:45					
4:45-5:00					

Automatic attendance calculation

Time	TASK1	TASK2	TASK3	TASK4
12:00:00 AM	DF			
1:00:00 AM	FD	FD		
2:00:00 AM	DF			
3:00:00 AM	FD	FD	FD	
4:00:00 AM	DFD			
5:00:00 AM	FD			
6:00:00 AM				
7:00:00 AM	FD	FDF	FDF	FD
8:00:00 AM				
9:00:00 AM	FDF	FDF	DFD	
10:00:00 AM				
11:00:00 AM				
12:00:00 PM	FD			
1:00:00 PM				
2:00:00 PM	FDF			
3:00:00 PM				
4:00:00 PM	FDF	FDF		
5:00:00 PM	FDFD	FDFD		
6:00:00 PM				
7:00:00 PM	FDFD	DFD		
8:00:00 PM				
9:00:00 PM				
10:00:00 PM	FDFD	FDFD		
11:00:00 PM	FDFD	DFDF	FDF	

Attendance will be calculated on the number of working hours completed or the number of tasks completed in a day.

Monitoring server traffic with Automatic database approval for maintenance

- The workload and traffic of server will also be monitored to calculate a time slot under which it has the least traffic.
- These time slots will be compared to employees schedule so as to work on server maintenance.

Hey, I have low traffic during 4:00 UTC. Since you are free during this time slot, maintain me during this time!!

Ok, See you at 4:00 UTC

Automatic Email Scraping

- In the corporate / IT world we live, there are hundreds of email flooding in our inbox.
- By using Regular Expressions the important information in these emails can be scraped and important events can be easily added to our schedule automatically.
- Word vectors can be also used to find out more detailed context of the email.