

Sports Ground Field Booking

Problem Statement: To design a portal/app for field booking (cricket ground, tennis court, badminton court, basketball court, athletic ground, volleyball court, hockey field, and football ground). This portal/app should accommodate students to file online requests for field booking and to track its live status.

These requests should be directed towards the concerned authority (APEOs, Gensec Sports Board and Chairman Sports Board IITG) who can approve it after verifying its details.

Reference: http://kolong.iitg.ernet.in/clubs/gsa/staff_team.html (for details of Sports Officials)

Requirements-

1. The student fills in his details, the purpose for booking and the time slot for which he wants to book the field.
2. These requests should be saved in a database and then forwarded to the competent authority for approval.
3. The admin interface should allow for verification of all the credentials of the user and then forward the request to the chairman for approval.
4. After comments of APEOs, the chairman can approve or reject the request based on feasibility.
5. The slot timing to book a ground will start from 6 AM to 9 AM and 5 pm to 10 PM every day. Each slot should be of half an hour. A student can request multiple slots in a single request.
6. Students should be able to see which slots are free and which are booked. In a calendar type view, so that they can plan their booking accordingly.

Technical details :

The project needs to be developed in PHP(web-development)/ Django(web-development)/ Flutter (App)/ Android Studio (App) / React(App)/

Submission Deadline: 11th March by 6 P.M.

Submission Mode :

The students need to submit their code zip with named with their roll no to swciitghy@gmail.com

Submission Instructions :

- i) Developers need to submit their code and documentation.
- ii) The projects must have the installation instructions.
- iii) The designer needs to submit the detail requirements doc, and the wireframe of the projects.

iv) The assignments will be graded based on the level of completeness and the feature implemented.

Desired Features :

1. The projects should be easily deployable to another system
2. The project should have options for adding, deleting or editing the sports field names by APEOs(Physical Training Instructor)
3. The variable name should be as per pep-8 instructions.
4. The code should be modular and easy to extend.