pupsched.

Faculty loading in ease

System Technical Documentation

This is a scheduling system designed to help the Polytechnic University of the Philippines optimize and automate faculty workload assignments, ensuring efficiency and fairness in academic scheduling.

Polytechnic University of the Philippines
College of Computer and Information Sciences
Department of Information Technology

Justine Lloyd Bautista
Mark Jason Fulguerinas
Charles Ezra Ilarde
Regie San Juan
Jesse Mari Mirabel

Assoc. Prof. Noel Gagolinan
Instructor

August 24, 2025

Table of Contents

> **Note**
>
> This document provides a brief technical overview of the **PupSched** project, a faculty scheduling system designed for ease of use and automation.

System Overview

Key Features

Feature	Description
Automated Faculty Scheduling	Automatically generates optimized schedules for faculty members based on availability and constraints.
Centralized Database	Stores all scheduling data in a single, structured repository for consistency and ease of access.
Web-based Interface	Provides a user-friendly, browser-accessible platform for administrators and faculty.
Notifications & Reminders	Sends alerts for schedule updates, conflicts, or important deadlines.

Architecture Diagram

Installation

1. Clone the repository
2. Install dependencies: `npm install`
3. Run the application: `node app.js`

Code Example

```
const express = require('express');
const app = express();

app.get('/', (req, res) => {
  res.send('Hello PupSched!');
});

app.listen(3000, () => console.log("Server running"));
```

Listing 1: Sample Node.js Code

Conclusion

The PupSched system simplifies scheduling for faculty members and improves administrative efficiency.