

Human Resource Allocation System (Full Stack)

Automated Teaching Allocation System

Student: Seah Jie Yu

Supervisor: Dr Oh Hong Lye

Assigning lectures to faculty members...

Assigned Prof C (ID: 27) to Lecture for Advanced Computer Networks (ID: 4). [1]

Assigned Prof F (ID: 30) to Lecture for Advanced Software Engineering (ID: 31). [1]

Assigned Prof D (ID: 28) to Lecture for Digital Logic (ID: 2). [1]

Assigned Prof E (ID: 29) to Lecture for Artificial Intelligence (ID: 30). [1]

Assigned Prof C (ID: 27) to Lecture for Wireless and Mobile Networks (ID: 1). [1]

Assigned Prof A (ID: 25) to Lecture for Advanced Computer Networks (ID: 4). [1]

Assigned Prof A (ID: 25) to Lecture for Computer Organization and Architecture (ID: 3). [1]

Assigned Prof B (ID: 26) to Lecture for Computer Organization and Architecture (ID: 3). [1]

✓ Assignments complete!

Introduction

Ensuring a fair distribution of teaching workload among faculty members has long been a critical and complex task for universities around the globe. Therefore, it is not surprising that schools are turning to technology, developing applications aimed at streamlining the allocation process and saving time. The Automated Teaching Allocation System (ATAS) is a modern web-based application, built specifically to address these challenges and optimise workload management for the School of Computer Science and Engineering (SCSE) at Nanyang Technological University (NTU). The ATAS features a highly configurable and flexible algorithm, allowing the academic staff to fine-tune the allocation process to match any allocation strategies.

Highlighted Features

User & Admin Interfaces

Clean and user-focused for seamless operation.

CRUD Interfaces

Clean and intuitive for effortless data management.

Settings Panel

Highly configurable for tailored allocation control.

Automated Pre-allocation

Automatically assign faculty members to courses based on configurations.

Interactive Workload Balancer

GUI for making manual adjustments easy and efficient.