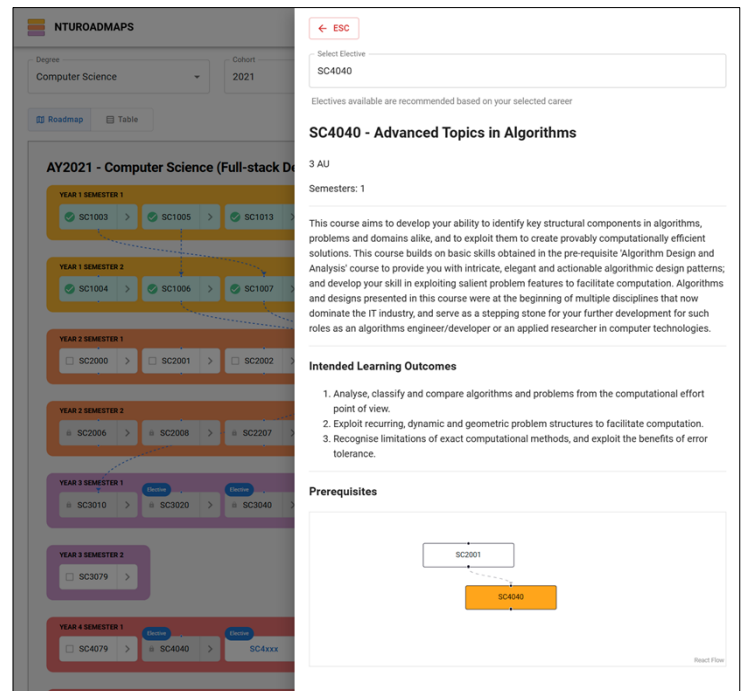
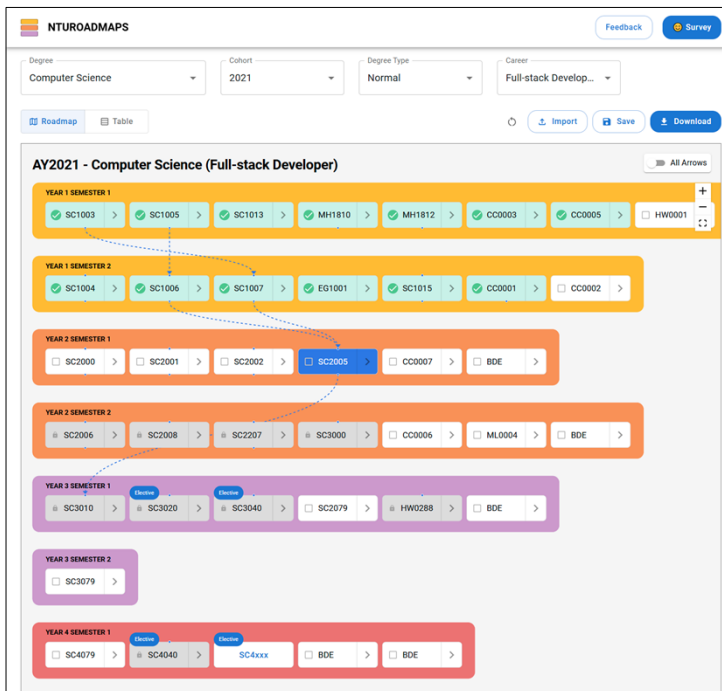


NTU Roadmaps

Course Visualisation & Recommendation System

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<https://nturoadmaps.vercel.app/>

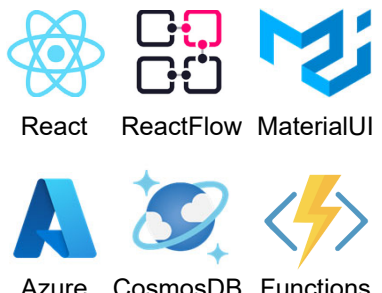
Project Overview

NTU students currently rely on many scattered resources for curriculum planning. However, these information are generic and not tailored to specific career goals. NTU Roadmaps consolidates these information into a more effective, one-stop platform for students to visualise their university journey in a dynamic roadmap format, offering recommended electives based on selected career choice. It aims to simplify academic planning and empower students to make informed decisions.

Core Features

- Curriculum roadmap based on degree, cohort, degree type, with prerequisite relationship between courses
- Recommended electives based on selected career
- Course details panel for more information on course
- Import and export current roadmap configuration
- Download roadmap as an image file
- View curriculum in an alternative table view
- Admin system to ingest and manage data

Technology Stack



React ReactFlow MaterialUI
Azure CosmosDB Functions