



Group M1.04 – Anylogic Simulation

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Sponsor: Ingram Hall Makerspace
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Project Description

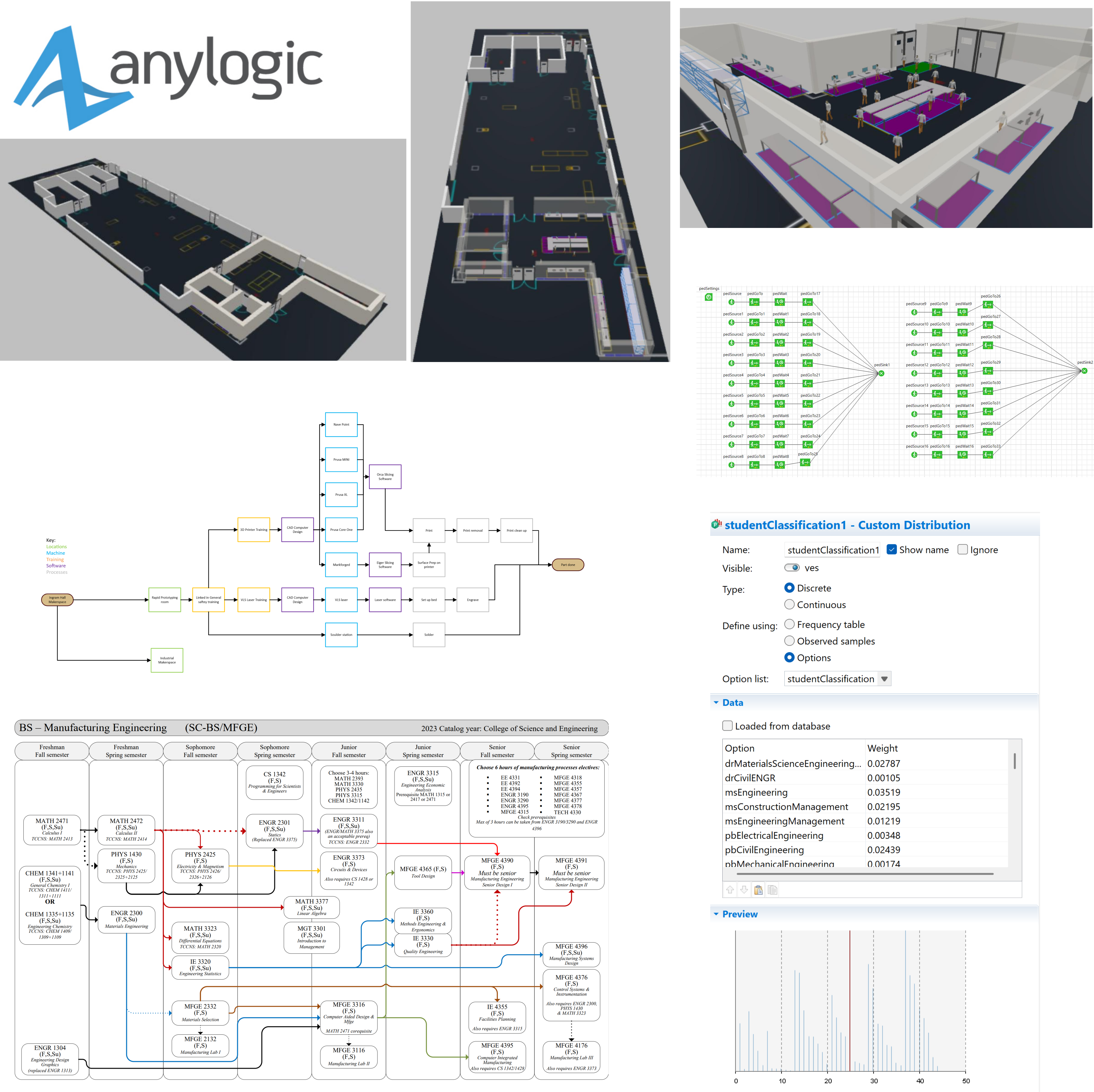
Develop a hybrid discrete-event based simulation model of the Ingram Hall Makerspace using Anylogic software.

Using the software, we can model and recommend future resource changes and needs for the Ingram Hall Makerspace

Background

- 4000+ Engineering Students expected in coming years
- Ensure resource availability is at or above predicted student demand
- Test optimal floorplan layouts
- Find management and operational bottlenecks

Simulation



Data Collection

Our simulation needs logic-based decisions to happen in the background. These decisions are based around historical data from Classes, Organizations, machines and other student needs.

We collected data from student enrolment, IHM administration, machine usage, and other various sources.

Future Steps

- Modeling of the Industrial half of the Makerspace
- Refine Modeling logic
- Increase data points from historical data

Meet the Team

