

# Week-1: Introduction to model checking

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*NPTEL-course*

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# Summary

- ▶ Course Overview
- ▶ **Module 1:** Transition systems, Modeling simple sequential programs
- ▶ **Module 2:** Modeling sequential hardware circuits
- ▶ **Module 3:** Modeling data-dependent programs
- ▶ **Module 4:** Modeling concurrent systems

**Important concepts:** Non-determinism, program graphs, interleaving and handshake operators