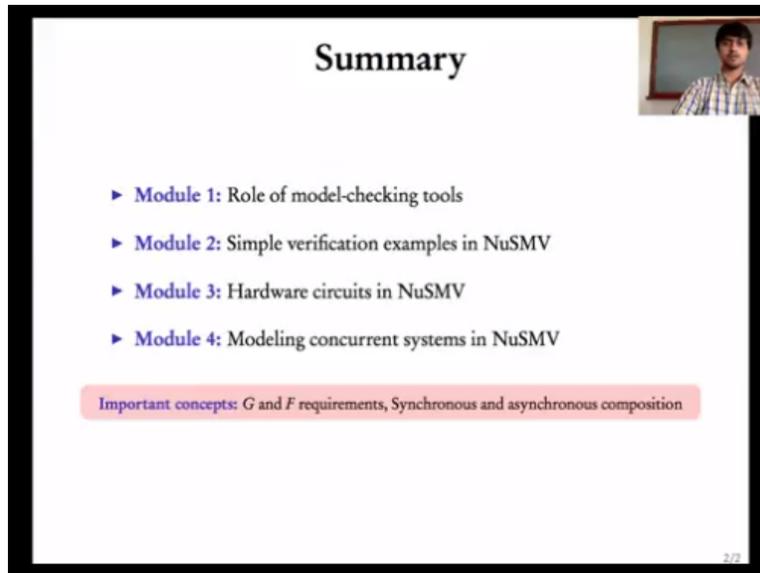


Model Checking
Prof. B. Srivathsan
Department of Computer Science and Engineering
Indian Institute of Technology – Madras

Lecture - 11
Summary

(Refer Slide Time: 00:06)



Summary

- ▶ **Module 1:** Role of model-checking tools
- ▶ **Module 2:** Simple verification examples in NuSMV
- ▶ **Module 3:** Hardware circuits in NuSMV
- ▶ **Module 4:** Modeling concurrent systems in NuSMV

Important concepts: *G* and *F* requirements, Synchronous and asynchronous composition

2/2

Let me now summarize the lectures of this week. In module 1, we talked about the role of model checking tools. How they can be used to check requirements on models. In module 2, we considered this model checking NuSMV and we saw some simple verification examples. We saw some simple models and check the *g* and *f* requirements on these models.

In module 3, we gave examples of checking hardware circuits in NuSMV. Finally, in module 4 we looked at examples of concurrent systems. Some of the important concepts in this unit are the *G* and *F* requirements, Synchronous and Asynchronous composition. The goal of this module was to give you a hands on experience of using a model checker. See you next week with the different set of lectures.