

Modelling, Design and Analysis of Embedded Systems

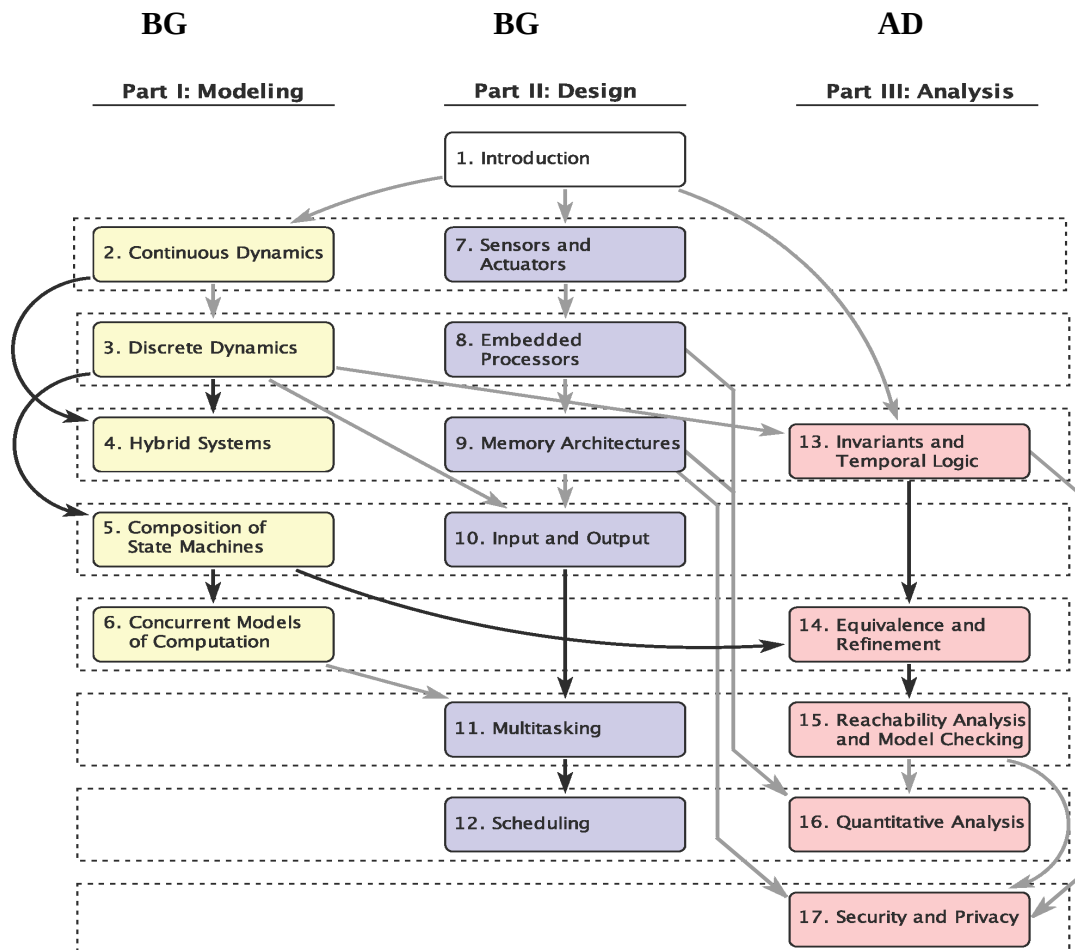
The following elective is offered in the current semester for B.Tech (7th sem) and M.Tech (IT) – Robotics and Software Engineering Specialization students at IIIT Allahabad

Modelling, Design and Analysis of Embedded Systems (MDAES):

This course is meant to provide the students the basic idea of both embedded and real time systems. It teaches them how to model, design and analyze embedded systems operating in real time. It also aims to expose students with the models and tools required for design and control of embedded systems. Students learn how to combine physical processes with computation. The course is laboratory based with emphasis on a semester-long term project.

Course Instructors : Dr. Bibhas Ghoshal (BG), Dr. Amit Dhar(AD)

Topics to be covered and the structure of the course is as follows (as illustrated in [1]):



References :

[1] Edward A. Lee and Sanjit A. Seshia, *Introduction to Embedded Systems, A Cyber-Physical Systems Approach, Second Edition*, <http://LeeSeshia.org>, ISBN 978-1-312-42740-2, 2015.