

NPTEL ONLINE CERTIFICATION COURSES

DIGITAL CONTROL IN SMPCs AND FPGA-BASED PROTOTYPING

Dr. Santanu Kapat Electrical Engineering Department, IIT KHARAGPUR

Module 03: MATLAB Custom Model Development under Digital Control

Lecture 23: MATLAB Model Development for Fixed Frequency Digital Control

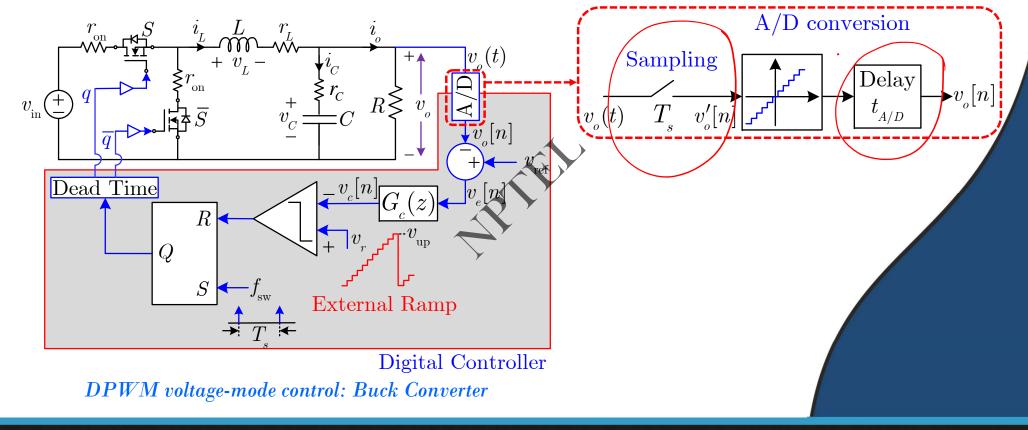




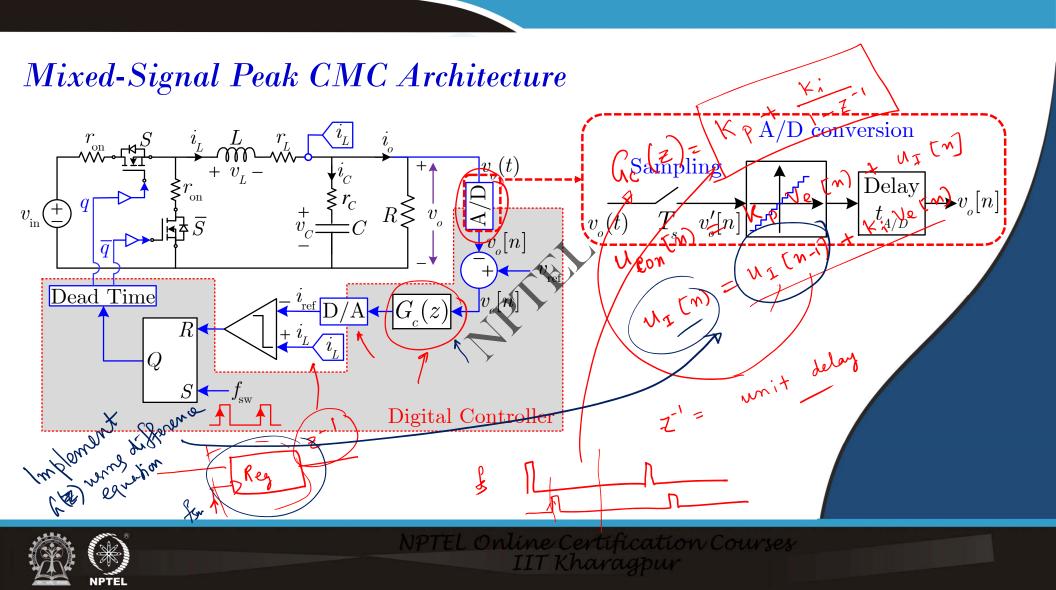
CONCEPTS COVERED

- Step-by-step MATLAB model development for digital voltage mode control
- Buck converter example with simulation
- MATLAB model of digital CMC

Digital Voltage Mode Control







CONCLUSION

- Step-by-step MATLAB model development for digital voltage mode control
- Buck converter example with simulation
- MATLAB model of digital CMC

