Introduction overview of compilation, Lexical Analysis, Syntax analysis, Syntax Directed Translation, Run Time Environment, Intermediate Representation.

Pre requisites:

Preferred Text Books:
- Mathematical preliminaries and notation: sets, proof techniques;
- Basic concepts of theory of computation: Language,
  - Finite Automata;
  - Context-Free Languages: Context-free grammars, passing and ambiguities, methods for transforming context-free

SC 3300

Brief Syllabus: GUI: Qt,

CS 2010

Mandatory Tutorials:
- systems, Mass-storage structures, Protection and security, Case studies: LINUX and

Series and Fourier transform, properties of the Fourier transform, frequency response of systems characterized by linear constant coefficient differential equations, discrete-time signals, discrete-time

Reference

parameters, Interconnection of 2-port networks.

Preferred text books:
- Regression, Estimation.

Ordinary Differential Equations: Equations of first order and first degree, Linear Second Order differential with

MA 1010

Preferred Text books:
- Classical Mechanics:
  - Frames of reference, Galilean transforms, Systems of
  - non-inertial frames and pseudo forces, rotational frames, applications
- Newtonian formulation:
  - Directional-Derivative, Level Surfaces and

Top

Top

Top

Top

Top

Top

Top

Top

Top

Top

Top

Top

Top

Electrical Science

Electrical Science

Electrical Science

Electrical Science

Electrical Science

Electrical Science

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