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#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

- c. Semaphore and Mutex management in RTLinux
- d. Case Study - Application development to control appliances through RTLinux
- e. Overview of other Realtime development tools. (6)

Reference Books:

1. Real time system design and analysis - Phillip A. Laplane (Wiley India's 3rd Edition)
2. Embedded / Real Time Systems : concepts, design and programming
- Dr. K.V. K. Prasad (Oreilich Press) - New Edition
3. Real time systems - C.M. Krishna, K.G. Shin (TMGH)

Term work :

It should consist of minimum 10-12 assignments based on the above topics, out of which 2-3 practical assignments should be on RTLinux.

4. WEB TECHNOLOGY

Lectures : 3 hrs / week Term work : 50 Marks
Practical : 4 hr / week POE : 50 Marks

Objectives:

1. Introduce the students to emerging web technologies
2. Introduce the students with XML concepts and its application
3. Make use the students in developing web applications
4. To create an awareness about the differences in Desktop and Web Application

1. Introduction to XML:

What is XML, XML versus HTML, XML terminology, XML standards, XML syntax checking, The idea of markup, XML Structure, Organizing information in XML, Creating Well-formed XML, XML Namespace, DTD- Introduction to DTD, Document Type Declaration, Element Type Declaration, Attribute Declaration, Conditional Section, Limitations of DTD. (2)

2. Parsing XML:

Introduction to Parser, Parsing approaches, JAXP, SAX, JAXP and DOM. (3)

3. Extensible Style-sheet Language(XSL):

Introduction to XSL- overview, XPath, XSLT - templates, creating elements and attributes, looping and sorting, conditional processing, defining variables. (2)

4. XML Schema:

Introduction, basic and complex schema, specifying frequency, element contents, content model reuse, anonymous types, mixed content, grouping of data, mandating all elements, choices, sequences, simple types- numeric, time, unit, string, binary data types, deriving types- facets, attributes. (2)

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