

CS702: XML and Applications

Prof. B.D. Chaudhary

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Instructor

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- ▶ Office: Computer Science and Engineering Department
- ▶ Office Hours: Thursday 16.00 - 17.00

Course Details

- ▶ Course Number: CS702
- ▶ Course Name: XML and Applications
- ▶ Number of Lecture Hours: 4 Hrs. per week
- ▶ Lecture Venue: CSED NB1(Wed.) and NLH2(Thur.)
- ▶ Wednesday : 11.00 - 13.00
- ▶ Thursday: 11.00 - 13.00
- ▶ Course Group:XML_2012_CSED@googlegroups.com

Activities Included in Evaluation

- ▶ Activities: Assignments, Tests, and Final Examination.
- ▶ No. of Tests: Two (one hour duration)
- ▶ Final examination: Two and half hours
- ▶ Full course for final examination
- ▶ Dates as per Institute calendar
- ▶ Assignments: Fortnightly, includes Reading assignment, Home work, Home assignment
- ▶ Attendance requirement: 100%

Grading Policy

- ▶ Tests : 20% each
- ▶ Assignments: 20%
- ▶ End Semester Exam.: 40%
- ▶ Relative Grading

Major Topics

- ▶ Emerging Technologies [02 Hrs.]
- ▶ XML Documents [02 Hrs.]
- ▶ Document Type Denition(DTD) [04 Hrs.]
- ▶ CCS and XHTML [04 Hrs.]
- ▶ XML Schema : XSD, XDR [06 Hrs.]
- ▶ SAX and DOM Parser [04 Hrs.]
- ▶ JavaScript : Client and Server side programming[08Hrs.]
- ▶ XPATH, XLink, XPointer [04 Hrs.]
- ▶ XSL: XSLT [04 Hrs]
- ▶ Applications: RDF and RDFS [04 Hrs.]

Graduate Assistants

- ▶ Archana Shukla, a Ph.D. Scholar
- ▶ Vishwas Rathi, M.Tech. Scholar

Reference Books

- ▶ XML How to Program By Harvey M. Deitel, Paul J. Deitel, Tem R. Nieto, Ted Lin and Praveen Sadhu, Prentice Hall PTR., ISBN: 0130284173
- ▶ XML –The Microsoft Way By Peter G. Aitken, Addison-Wesley Longman Publishing Co., Inc., ISBN:0-201-74852-5
- ▶ Learning XML By Erik T. Ray and Christopher R. Maden, O'Reilly & Associates, Inc., ISBN: 0596000464

Web Resources

- ▶ World Wide Web Consortium: <http://www.w3.org/XML/>
- ▶ www.xml.com
- ▶ <http://www.ibm.com/developerworks/xml/>
- ▶ www.garshol.priv.no/download/xmltools/ for XML softwares
- ▶ Apache's XML site: <http://xml.apache.org/>
- ▶ <http://www.w3.org/2002/ws/>
- ▶ <http://www.w3.org/TR/wsdl> and
<http://www.w3.org/TR/wsdl20/>