	GLS University **FCAIT** **IMSCIT SEM III** **Subject: Practicals on XML** **Assignment 2**
1.	Create an XML document for storing personal information about student where it contains the following data: Personal Info(Roll no, Name, Address, Mobile, DOB, Age, Qualification) Create An External DTD for the above XML document.
2.	Create an XML document email where it contain the following data: Email(message) as an element and Message(from, to, subject)as an attribute. Create a DTD for the following XML document.

3.	Create XML document OrderDetail where it contains the following data:
	      Order_Detail(OrderNumber, Orderate, OrderAmount,ItemPrice, ItemName, Quantity)
	Create DTD declaration for OrderDetail where
	  • OrderDate will appear as an attribute to OrderNumber
	  • ItemName should come at least one time.
	  • Order Amount should come only once.
	  • Item Price and Quantity can come zero or more times.

4.	Create XML document for Student where it contains the following data:
	      Student Name, Personal Info (Address, Birthdate,Gender, Mobile No, Address) ,Result(Total, Percentage, Grade)
	
	Create External DTD declaration for Student where
	  • Gender has only two choices Male and Female as an element.
	  • Grade element should have only one of these grade element (Pass, First, Dist., Second, Fail)

5.	Create an XML document Books where it contains the following data :
	      Books (book (title) as an attribute , author , year , publisher).
	Create An External DTD for the above XML document where
	  • Elements should be in sequense.

	• Attribute title should have only two values i.e XML or DCN
6.	Create an XML document Student where it contains the following data : Student(Name (fname & Lname) , ID , Plan (courses)). In courses element take (year) as an attribute and (course) as an sub-element . And Course has name , shortName , record as its sub element. And again record has its sub element Grade , date. Create An External DTD for the above XML document where : • Courses element can zero or more course. • Year attribute must appear in the element. • Record element should appear zero or more times.
7.	Create an XML document Email where it contains the following data : Email (from , to ,content (person , exercises(exercise (topic , description)) , course). Create An External DTD for the above XML document where • Content element of email should be mixed content. • Exercises can have multiple exercise element.
8.	Create an XML document Student where it contains the following data : Student (Roll_no , Name , Marks , Rank) Create An External DTD for the above XML document where • Marks element has web technologies , XML , J2EE ,NS as a sub-element • Marks can have only the above elements.
9.	Create an XML document Letter where it contains the following data : Letter (contact (name , address , city ,pin ,state , flag) , salutation , paragraph , closing , signature) . The "contact " element has an attribute "type" where it will declare type of person (eg : manager , officer etc as a value) . Create An External DTD for the above XML document where • contact should come atleast once. • flag element should an empty element • "flag" element has an attribute "gender" where it will declare as a male or female as a value and male as a default value. • The attribute type has a fixed value "sender"
10.	Create an XML document Student_info where it contains the following data : Student((which_course as attribute), name, contact_no),

	Course((c_id as attribute), name), subject(name as attribute) Create An External DTD for the above XML document where • student can be one or more times • c_id as id and which_course as referance id. • Make one entity of your choice and use in document. • Make enumerated attributes of subject name as Java, xml, OS • Make contact_no as nmtoken
11.	In Question 4 Use conditional statement INCLUDE of student personal information DTD and IGNORE of result DTD)