St. Xavier's College–Autonomous Mumbai
Syllabus
For 4th Semester Courses in
B.Voc (Tourism)
and
B. Voc (Software Development)
From November 2015

General Education Component

Theory Syllabus for Courses:

S.BVS.4.**01**/A.BVT.4.01   **MEDIA & SOCIETY PART 2**

S.BVS.4.**02**/A.BVT.4.02   **CONTEMPORARY SOCIAL ISSUES**

S.BVS.4.**03**/A.BVT.4.03   **MICROECONOMICS**

S.BVS.4.**04**/A.BVT.4.04   **FUNDAMENTALS OF THE INDIAN CONSTITUTION**

Title: Media & Society Part 2

Learning Objectives:

- To build on the knowledge acquired in Semester III: Media and Society Part 1
- To develop an understanding of the role of media in contemporary society
- To critically analyze media's depiction of the world
- To engage with important media theories

NO. OF LECTURES

Unit I: Media and Power   **12**

1. Political Economy of Mass Communication in India
2. Media & Propaganda
3. Noam Chomsky: Manufacturing Consent

Unit II: Media and Nationalism   **12**

1. Benedict Anderson: Imagined Community
2. Nationalism in Indian Context
3. Role of Indian Cinema in Nationalism
4. Role of Sports in Nationalism

Unit III: Orientalism   **12**

1. Edward Said: Orientalism
2. Analysis of popular media
3. Critique of Orientalism

Unit IV: Cinema and City (Mumbai)   **9**

1. The cinematic city: Depiction of Mumbai in Hindi and regional films
2. Mumbai through documentaries
3. Single screen to multiplex: Changes in film viewing and architecture of Mumbai

Evaluation:

CIA 1: Class Test

CIA 2: Group Assignment on Cinema and City. Analysing the depiction of Mumbai in Hindi and regional cinema as well as documentaries.

References:

Books

1. Aggarwal Virbala (2002). *Media and Society Challenges and Opportunities.* New Delhi: Concept Publishing Company
2. Chakravarty, Suhas; V (1997) *Press and Media- The Global Dimensions.* New Delhi: Kanishka Publication
3. Chomsky Noam (1994). *Manufacturing Consent: The Political Economy of Mass Media.* London: Vintage Publishers
4. Clarke, David (ed) *The Cinematic City*
5. Fernandes Naresh (2013). *City Adrift: A Short Biography of Bombay.* New Delhi: Aleph Book Company
6. Guha Ramchandra (2011). *India After Gandhi.* Picador India
7. McQuail, D (2010). *McQuail's Mass Communication Theory.* New Delhi: Sage Publication
8. Majumdar, Ranjini. *Bombay Cinema*
9. Nayar, Pramod. *Political Economy of Communications in India*
10. Prakash Gyan (2011). *Mumbai Fables.* Noida: Harper Collins Publication

Articles

1. Anderson Benedict. Extract, Imagined Communities. 1991. Verso. London
2. Appadurai Arjun (1996) 'Playing with Modernity: The Decolonization of Indian Cricket' in Carol Breckenridge (ed.) *Consuming Modernity: Public Culture in Contemporary India,* New Delhi
3. Chatterjee Partha (1993) 'Whose Imagined Community'
4. Editorial, Cricket: Imagining the Nation, EPW, March 31, 2007
5. Nandy Ashis et al, Extract, Creating a Nationality. 1995. New Delhi
6. Said Edward, Extract from *Orientalism,* 'Introduction'

Audio-Visual Resources

1. Control Room (Documentary)
2. Peace, Propaganda and Promised Land (Documentary)
3. Invictus (2009) Director: Clint Eastwood
4. Remember The Titans (2000) Director: Boaz Yakin
5. Edward Said: Orientalism (Documentary)
6. Chimamanda Adichie: The Danger of a Single Story (TED Talk)
7. Homeland (TV Series)
8. Slumdog Millionaire (2008) Director: Danny Boyle

ST. XAVIER'S COLLEGE (AUTONOMOUS)

S.Y.B.Voc   **Course: 4.02**

Title: CONTEMPORARY SOCIAL ISSUES

OBJECTIVES:

- To introduce and analyze the impact of contemporary social issues in our everyday lives
- To facilitate an objective understanding through readings and research papers on social issues
- To apply this skill in the vocation opted for by the students by using examples from their relevant fields of study
- Each module must be discussed in a socially inclusive manner

	NO. OF LECTURES
UNIT I: India's Global Footprint -India's emerging new role in the global world	8

1. India's Demographics and Geographical Orientation
2. The Development debate and the role of international funding agencies
3. Globalization or Glocalization

UNIT II: The Indian Diaspora–Identity and its social implications	8

1. Rise of the middle class
2. Politics of Identity and Representation.
3. Marginalization of social groups

UNIT IV: Technology and Communication and Social Change	6

1. India's technology story –a social audit
2. Digital and Social media –its strengths and challenges
3. Communication and social change- bridging the rural-urban divide?

UNIT V: Space and Mobility	6

1. Right to space and opportunities
2. Right to the city

3. Public and Private space
4. Cyber space

UNIT VI: Social issues (with special focus on age groups, differently abled   15
and gender)

1. Conflict, Terrorism and Peace
2. Formal and Informal Sector
3. Urbanism as a way of life(food, leisure, gaming…)
4. Religion and Values
5. Secularism and Communalism

EVALUATION:

- <u>First CIA Test</u>: short essay type questions
- <u>Second CIA Test</u>: Presentations, where students will be expected choose a social issue in contemporary India, and formulate and express their understanding and opinions of the issue.
- <u>End Semester Exam</u>: Essay type questions/ short answer/objective

Annotated Reference List:

Kadekar L.N., Sahoo, A.K., Bhattacharya G., (2009), *Indian Diaspora: Historical & Contemporary Context*, Rawat Publication

Kabeer, Naila (2008), *Gender & Social Protection: Strategies in the Informal Sector*, Routledge

Mandal, Amal&Laha, S.S. (eds. 2012), *Dynamics of Development & Discontent*, Bookwell.

Mander, Harsh (2015), *Looking Away: Inequality, Prejudice and Indifference in New India*, Speaking Tiger Books

Mansback, Richard W. & Taylor, Kirsten L. (2012), *An Introduction to Global Politics (2nd Edition)*, Routledge

Manchanda, Rita (2010), *States in Conflict with their Minorities*, Sage

Phadke, Shilpa; Khan, Sameera; Ranade, Shilpa (2011), *Why Loiter?,* Penguin India

Sahoo, A.K. &Maharaj, Brij. (Edss, 2007*), Sociology of Diaspora: A reader Vol. 1 & 2*, Rawat Publication

Sen, Amartya (2007), *Identity & Violence- The Illusion of Destiny*, W.W. Norton & Co.

Thapan, Meenakshi (ed., 2010), *Contested Spaces: Citizenship and Belonging in Contemporary Times*, Orient Blackswan

ST. XAVIER'S COLLEGE (AUTONOMOUS)

S.Y.B.Voc   **Course: 4.03**

Title: MICROECONOMICS

Learning Objectives:

- To introduce students to basic microeconomics and some additional macroeconomics concepts.

- To enable the students to understand the nature of markets, pricing and behaviour of other individual economic variables.

- To encourage students to relate micro theory to the real world and in particular newspaper economics and macroeconomic issues.

Total No of Lectures: 45

                                                    NO. OF LECTURES

UNIT I: **4**

Introduction to Microeconomics:

1. Distinction between microeconomics and macroeconomics.
2. Importance of the study of microeconomics.

UNIT II: **12**

Demand and Elasticity:

1. Determinants of demand, the Law of Demand

   Case Study: Impact of technology on demand.

2. Meaning and types of elasticity, eg. price, income, cross and promotional elasticities.

   Simple numerical problems based on elasticity concepts.

3. Advertising and demand, need and impact of advertising, factors affecting advertising.

   Case Study: The relative importance of advertisements in Tourism and

   Software industries.

UNIT III: 7

Production:

   1. Concepts of production, economies and diseconomies of scale-external and internal.

   Case Study: Comparison of diseconomies of scale in large private and

   public sector companies.

2. Supply: Concepts of stock and supply. Factors affecting supply.

   Case studies on the influence of technology on:

      i. Supply
      ii. Local kiranas /grocers

UNIT IV: 7

Costs and Revenue:

1. Types of costs: money and real, fixed and variable, implicit and

   explicit, manufacturing and selling , opportunity cost , depreciation.

   Significance of cost concepts to a firm.

2. Revenue: Concepts of Total, Marginal and Average Revenue ,

   Break even point.

 UNIT V:

Objectives of a Firm: **5**

    Profit and sales/revenue maximization, growth, etc.

    Case studies.

UNIT VI :   **10**

Markets:

    Types of markets: Perfect competition, monopoly, monopolistic

    competition, oligopoly.

    Case studies: oligopoly in tourism sector, nature of the market in the

    software industry.

First C.I.A.: MCQ Test

Second C.I.A.: Project (designed to test application of theory to reality)

Reference Books :

1. Ahuja.H.L., *Advanced Economic Theory, S. Chand*.

2. Mankiw,N.G.(2002), *Principles of Microeconomics*.

   Additional References:

1. Samuelson,A,P and Nordhaus,D,W *, Economics*, McGraw Hill.

2. Dwivedi,D.N, *Principles of Economics* , Vikas Publishing House ,

   New   Delhi,2008

ST. XAVIER'S COLLEGE (AUTONOMOUS)

S.Y.B.Voc   **Course: 4.04**

Title: Fundamentals of the Indian Constitution [45 Lectures]

LEARNING OBJECTIVES

- To understand the basics of the Indian Constitution
- To familiarize students with the working of the governmental machinery

Unit I: Salient Features of the Indian Constitution   **[10 Lectures]**

1. Origin and features of the constitution

2. Fundamental Rights

3. Basic Structure Doctrine

Unit II: The Union Executive: The President   **[10 Lectures]**

1. Qualifications for election as President

2. Procedure for impeachment of the President

3. Powers of the President

4. Constitutional limitations on Presidents' powers

Unit III: Prime Minister & Council of Ministers   **[15 Lectures]**

1. Election of Prime Minister

2. Appointment of Ministers

3. Powers, functions and role of the cabinet

4. Special position of the Prime Minister in the Council of Ministers

5. Presidential System versus Parliamentary System of Government

Unit IV: The Judiciary   **[10 Lectures]**

1. Organization of the Judiciary (Hierarchy, Jurisdiction)

2. Judicial activism-Public Interest Litigation

C.I.A. 2- Presentation on Importance of Constitution vis-a-vis laws related to field of study

Text Books:

1. Jain, Ashok, *Indian Political System*

2. Wadhwani, Manohar R., *Indian Political System*

List of Reference Books:

1. Basu, Dr. Durga Das, *Introduction to The Constitution of India* (21st edition), Lexis Nexis

2. Austin, Granville (1999), *The Indian Constitution: Cornerstone of a Nation*

3. Hasan, Zoya, Sridharan, E., and Sudarshan, R. (Eds.) (2002), *India's Living Constitution: Ideas, Practices, Controversies*, New Delhi: Permanent Black

4. Kashyap, S. (Ed.) (1997), *Judicial Activism and Lokpal,* Uppal Publishing House, New Delhi

5. Noorani, A.G. (2000), *Constitutional Questions in India: The President, Parliament and the States*

St. Xavier's College–Autonomous Mumbai
Syllabus
For 4ᵗʰ Semester Courses in B. Voc (Software Development)
From November 2016

Skill Component courses

Theory Course Syllabus for:

  S.BVS.4.05   C#

  S.BVS.4.06   ASP.NET

  S.BVS.4.07   Data Warehousing and mining

  S.BVS.4.08   Mobile App Development using Android I

Practical Course Syllabus for:

S.BVS.4.PR

PROGRAMMING IN C#

Learning Objective:

To equip the students with skills required in software industry. Students will learn the latest development in C# and apply the skill learnt in projects.
Number of lectures: 45

Name of the unit	No. Of lectures
UNIT 1:Understanding .NET environment .NET framework, Common Language Runtime, framework base classes, visual studio IDE, .NET languages, benefits of .NET approach what is C#, characteristics of C#, Applications, how does C# differ from C++ or Java, C# and .NET	**5**
UNIT 2: C# language Basics Overview of C# Literals, Variables, Data types, Operators, Expressions, Branching and looping operations, methods, arrays, strings	**10**
UNIT 3:C# language advanced features Classes and Objects: class, objects, constructors, static members, static constructors, private constructors, copy constructors, destructors, member initialization, this reference, nesting of classes Inheritance and Polymorphism: Classical inheritance, containment inheritance, Defining a subclass, visibility control, Defining subclass constructors, multilevel inheritance, Overriding methods, hiding methods, Abstract classes, abstract methods Interface: Defining an interface, extending an interface, Implementing interface, Difference between interface and abstract class Operator overloading	**15**
UNIT 4: Delegate, Events and Exception handling in C# Delegate declaration, delegate methods, Delegate's instantiation, delegate invocation, Using delegates, multicast delegates, Types of errors, exceptions, Syntax of exception handling code, Multiple catch statement, The exception hierarchy, general catch handler, Using final statement, nested try blocks, Throwing our own exceptions, Checked and unchecked operators, Using exceptions for debugging	**15**

Continuous Internal Assessment
Assignments / Project
Mid Term test.

Text Books

1. Programming in C# By E Balagurusamy

Reference Books

2. C# and .NET 4 by Christian wrox publication.

3. C# 2010 and .NET 4 platform by Andrew Troelsen Apress publication.
4. C# 3.0 A beginners guide by Herbert Schildt

B. Voc. (Software Development) Semester – IV   **COURSE : S.BVS.4.06**

ASP.NET

LEARNING OBJECTIVE:

To equip the students with skills required in software industry.

Students will learn the latest of ASP.NET in framework 4.x/5.x.

Students can apply the skill learnt in developing website or application.

[Total Lectures 45]

Unit 1. Introduction, Controls, Event and web service   **[15]**

Introduction:

- Understanding Visual studio IDE environment
  1) Design view
  2) Source view
  3) Output window
  4) Error list window
  5) Intellisense
  6) Property window
  7) Object Browser window
  8) Start page
  9) Toolbar and Toolbox

  - ASP.NET life cycle.
  - Common Language Runtime (CLR) architecture.
  - Using .NET Framework Class Library.

Different Controls: Introduction to control class, TextBox control,

Button Control, Label Control, Image control, ImageButton control ,

ImageMap control, DropDownList control, CheckBox control, RadioButton control, Table control, Calendar control, SiteMap control , TreeView control , Menu control, Validation controls, Login controls, Database controls.

Windows Presentation Foundation (WPF).

Event handling: Application_Start, Application_End**,** Page_Load , Page_Unload, *Click event* **:**OnClick , *TextChanged event:* OnTextChanged , *Command event:* OnCommand , *CheckedChanged event:* OnCheckedChanged , *SelectedIndexChanged event:* OnSelectedIndexChanged, postback events

Using event argument etc.

Web service: What is a web service? SOAP and Web service. Creating web service, consuming web service.

Unit 2.   Validation, Navigation, and Ajax in ASP.NET   [15]

Validation Control: Introduction, basic validation controls, validation techniques, using advanced validation controls like:

Regular Expression Validator Control, Compare Field Validator Control

Range Validator Control,Validation Summary Control, Custom Validator Control

State Management: Using view state, using session state, using application state, using cookies and URL encoding.

Master Pages: Creating master pages, content pages, nesting master pages, accessing master page controls from a content page.

Navigation: Understanding Site Maps, Using the Sitemap Path Control, Formatting the Sitemap Path Control, Using the Menu Control, Using Tree View Control.

Ajax: Introducing AJAX, Working of AJAX, Using ASP.NET AJAX server controls.

Unit 3. Database with ADO.NET, LINQ and Crystal Report   [15]

Database Elements:

1) ADO.NET Object model
2) Data Binding
3) Using Connection, Command,
4) DataReader classes, Queries returning result sets
5) Passing parameters in queries
6) Using Repeater control
7) Data Adapter, Using Data Set (Typed), Data Table, Data Row & Data Column
8) Introducing the ADO.NET Entity Framework.
9) Mapping Your Data Model to an Object Model
10) CRUD with ASP.NET
11) Authentication and Authorization with ASP.NET

LINQ:

1) Introducing LINQ and its Architecture
2) LINQ to Objects
3) LINQ to XML
4) LINQ to ADO.NET

Crystal Report:

1)   Adding a Crystal Report to an ASP.NET Application

2) Inserting Fields, Text, and Special Fields
3) Sorting, Grouping, and Subtotaling
4) Using Select Expert
5) Dynamic Formatting
6) Using the Crystal Reports Viewer

Continuous Internal Assessment

Assignment on unit 1, unit 2, unit 3

Mid Term Test.

BOOKS:

1) ASP.NET 4.0 in simple steps dreamtech press
2) Murach's ASP.NET 4 Web Programming with C# 2010, 4th Edition, Anne Boehm, Joel Murach, SPD.
3) Integrating Crystal Reports into an ASP.NET Application
   By Vincent Varallo Wrox Publication

REFERENCES:

1) ASP.NET – The Complete Reference Tata McGraw Hill.
2) Beginning ASP.NET 4: in C# and VB by Imar Spaanjaars Wrox Publication.
3) C# and .NET 4 by Christian wrox publication.

RESOURCE:

http://www.tutorialspoint.com/asp.net

B. Voc. (Software Development) Semester – IV   **COURSE : S.BVS.4.07**

DATA WAREHOUSING AND MINING

Learning Objective:
To know the basic concepts of Data Warehousing and data mining.

Number of lectures: 45

Name of the unit	No. Of lectures
UNIT 1:INTRODUCTION TO DATA WAREHOUSING AND DIMENSIONAL MODELLING Escalating need for strategic information Failure of decision support system Operational versus decision support system Data warehousing-the viable solution Defining data warehouse Data warehouse and data marts Architectural types Principles of dimensional modelling, star schema, advantages of star schema, snowflake schema, fact tables	12
UNIT 2: ETL PROCESS ETL overview : Data extraction, data transformation, data loading OLAP in data warehouse : demand for OLAP, major features and functions, OLAP models	13
UNIT 3: DATA MINING The development of data mining , Basic data mining tasks, data mining issues, data mining verses Knowledge discovery in data bases. Classification introduction, Statistical based algorithms ,Bayesian classification, distance based algorithms, Simple approach ,K nearest neighbour ,Decision tree based algorithms, ID3. Introduction of clustering, outliers, Hierarchical algorithms ,agglomerative algorithms, single link algorithm, complete link algorithm, average link algorithm, Partitional algorithms, Minimum spanning tree, K-means clustering, nearest neighbour algorithm	20

Continuous Internal Assessment
Assignments / Project
Mid Term test.

Text Books

1. Data warehousing fundamentals by Paulraj Ponniah
2. Data Mining Introductory and Advanced Topics, M. H. Dunham, Pearson Education

B. Voc. (Software Development) Semester – IV   **COURSE : S.BVS.4.08**

ANDROID APP DEVELOPMENT

Learning Objective: To learn the concept of android program and develop app using java and XML.

[Total Lectures 45]

UNIT 1: Introduction to Android   **[5]**

What is Android, History and Version, Architecture, Android Components (Activities, Services and Broadcast Receivers), Android life cycle.

UNIT 2:Android Development Studio   **[5]**

Installation & Configuration, API,SDK Manager, AVD Manager, Emulator, File Structure(MainActivity.java, activity_main.xml, Manifest.xml)

UNIT 3:Android Layouts & Permission Manager.   **[5]**

Layouts(Flow Layout, Absolute Layout, Table Layout),Attributes.

Permissions- <uses-permission android:name="android.permission.INTERNET"/>

<uses-permission android:name="android.permission.SEND_SMS"/>

<uses-permission android:name="android.permission.CALL_PHONE" />

UNIT 4:Xml-GUI & Event Handling   [15]

Screen Orientation, Style Themes, View Text View, Edit View, Toast, Button, Toggle Button, Radio Button, Checkbox Button ,Alert Dialogue, Prompt Dialogue, Confirm Dialogue, Date Picker, Time Picker, Rating Bar, Auto complete text view, Tab Swipe, Tab Host, Image View, Animation View, Media Player, Audio Video, Menubar, Menu, MenuItem, Popup Menu.

UNIT 5:-Android-Java Classes & Methods   [5]

Activity Class & onCreate() Method,Intent Class & StartACtivity() Method,

Life Cycle Methods-
onCreate(),onStart(),onResume(),onPause(),onStop(),onDestroy(),onRestart()

UNIT 6:Android App(.apk) Developement   [10]

Debugging and develping apk file, Splash effect app, Sending Email app, Sending SMS app, Calling app, Online, website app, Offline website app, Music app, video app, calculator app.

Continuous Internal Assessment

Assignments / Project

Mid Term test.

List of Text Books:

1.Android Design Pattern:Interaction Design Solution for Developers.-(By: Greg Nudelman)

2 .Programming Android-(By: Zigurd Mednieks, Laird Dornin, G. Blake Meike & Masumi Nakamura)

BVOC SOFTWARE DEVELOPMENT   **COURSE : S.BVS.4.PR**

PRACTICALS

PRACTICAL LIST FOR C#

1. Write a console application to take input from the user and perform simple mathematical calculations on them-addition, subtraction, multiplication and division and display the result to the user.
2. Write a console application to generate the following series.(make use of nesting of loops)

1 2 3 4 5	1 2 3 4 5	5 4 3 2 1	1
1 2 3 4	2 3 4 5	4 3 2 1	2 2
1 2 3	3 4 5	3 2 1	3 3 3
1 2	4 5	2 1	4 4 4 4
1	5	1	5 5 5 5 5

3. Write a console application to sort an array in ascending order.
4. Write a console application to generate Fibonacci series.
5. Write a console application to generate prime numbers in a given range.
6. Write a console application to find the sum of digits of a number and the reverse of the number.
7. Write a console application to generate the multiplication table of a number until the limit entered by the user.
8. Write a console application to find the factorial of a number .
9. Write a console based application to incorporate the features of class and object. The class should have default as well as parameterised constructors, member functions taking arguments.
10. Write a console based application to incorporate the feature of function overloading.
11. Write a console based application to incorporate the feature of overriding.
12. Write a console based application to incorporate the feature of inheritance.
13. Write a console based application to incorporate the feature of operator overloading.
14. Write a console based application to incorporate the feature of delegates and events
15. Write a console based application to incorporate the feature of abstract classes and interfaces
16. Write a console based application to incorporate exception handling.

ASP.NET PRACTICALS

LEARNING OBJECTIVE:

To equip the students with skills required in software industry. Students will learn the latest of ASP.NET in framework 4.0/4.x. Students can apply the skill learnt in developing website or application with practice from practical.

Attempt any 8 practical's from the list.

Practical No 1:

Create a simple Web Service that converts the temperature from Fahrenheit to Celsius, and vice versa create a simple Web Service that converts the temperature from Fahrenheit to Celsius, and vice versa. Also write an ASP program to consume this web service.

Practical No 2:

Design a UI and use validator for following conditions

· A password which is entered twice for confirmation

· The age of the user to be over 21

· The date to be after the 10/10/2000

Practical No 3:

Design a Login screen in ASP.NET which accepts user name and password. On submit it should check from the server whether the user exists or not . If the user exists in web server then he/she should be directed to proper web page with welcome message.

Practical No 4:

Write the following application.

The initial page is called Validator.aspx and it has 7 text boxes representing

(Name, Family Name, Address,City, Zip Code, Phone and e-mail address)

and a Check button.

User gets the following page after clicking on Check button:
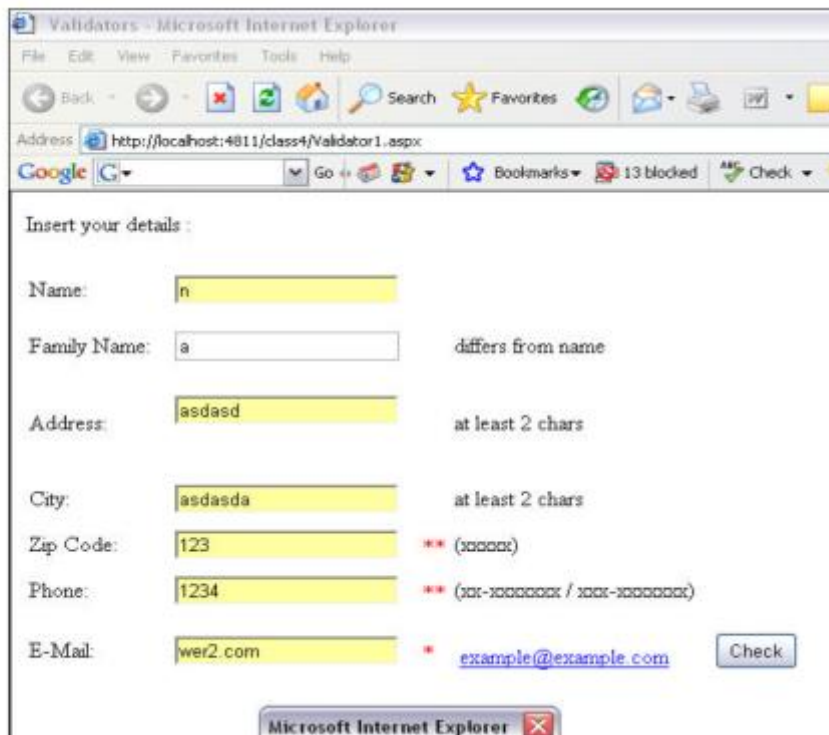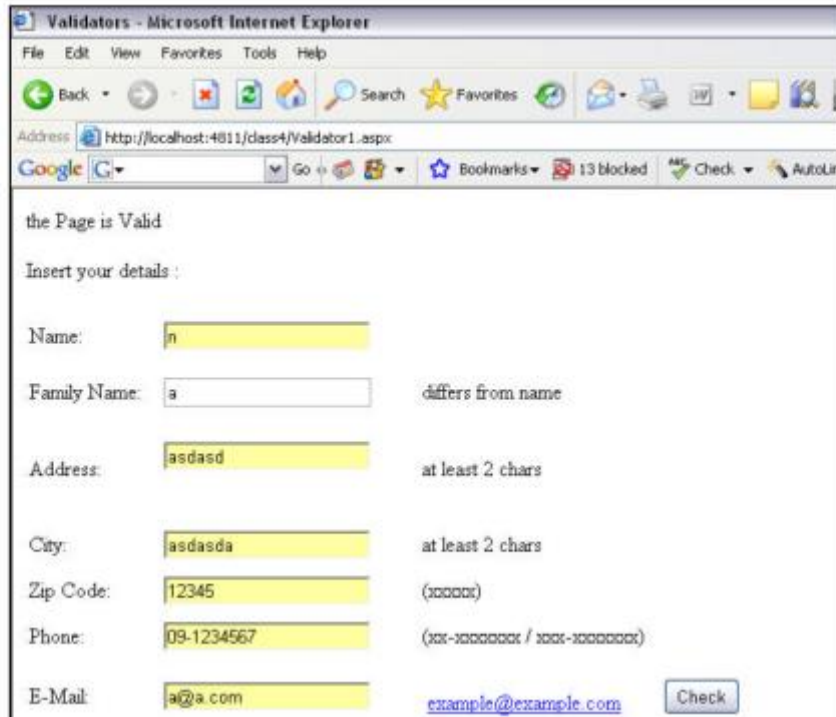

The required validation actions are:

name different from family name,

address at least 2 letters,

city at least 2 letters,

zip-code 5 digits,

phone according to the format XX-XXXXXXX or XXX-XXXXXXX,

e-mail is a valid email.

After entering some of the details correctly user gets the following message:

And after a correct submission of all the details:

Practical No 5:

Create a screen which accepts student rollno . On click of submit it should display student result in the gridview with fields

Name   Course Marks   TotalMarks   Percentage

The database table contains table called student(rollno, name, course , address, year)

Result(rollno,subject,marks, totalmarks)

Practical No 6:

Using crystal report design simple marksheet for SSC result. The data should appear dynamically form database.

Practical No 7:

Design UI for credit card data entry. User writes all the details such as card no(16 digits) expiry date CVV no etc. These details should be validated using validators and database for appropriate fields. After verification it asks for amount of transaction with password. If amount < balance display insufficient balance else display page which tells transactions successful.

Practical No 8:

Create a Web application that illustrates the use of themes and master pages with Site-Map. And create a web page with CSS.

Practical No 9:

Write a Program in ASP that has a form taking the users name as input. Store this name in a permanent cookie & whenever the page is opened again, then value of the name field should be attached with the cookie"s content.

Practical No 10:

Demonstrate user's Authentication and Authorization in ASP.NET

Practical No 11:

Demonstrate the use ad-rotator to change advertisements on client side request.

Practical No 12:

Create a small online quiz application which displays the set of questions (differently to different users) based on the authentication and subject selection. At the end it displays the marks scored by candidate. Also it doesn't allow any page view without authentication (use session concept).

Practical No 13:

Create a registration form for students and demonstrate CRUD operation on it in ASP.NET.

Practical No 14:

Demonstrate use of System.Collections.Generic to store the details of students with Id, Name, Course, and D.O.B etc. Now store these details in database using Collection. Add search feature which searches record as per id.

Practical No 15:

Create a web application to insert 3 records inside the SQL database table having following fields (DeptId, DeptName, EmpName, Salary). Update the salary for any one employee and increment it to 15% of the present salary. Perform delete operation on 1 row of the database table.

Continuous Internal Assessment

Conducting practical test

PRACTICAL LIST FOR DATA WAREHOUSING

1. Importing the source data structures in Oracle.
2. Design the target data structure using Oracle
3. Create the target structure in OWB (Oracle Web Builder)
4. Designed and build the ETL mapping
5. Perform the ETL process and transform it to data marts.
6. Create the cube and process it in OWB.

DATA MINING

SOFTWARE WEKA

1) Create training data using ARFF File.

2) Implementation of Bayesian classification using any standard training data.

3) Implementation of decision tree based algorithm using any standard training data.

4) Implementation of agglomerative algorithms using any standard training data.

5) Implementation of divisive algorithms using any standard training data.

ANDROID Practical List:

Learning Objective:

To introduce the concept android programming and develope app using android development studio.

List of Practicals:

Experiment 1.Android event handling using "onClick" event Listner and "actionListener".
Experiment 2: Android Background Music Activity
Experiment 3. Open a Website using android app.
Experiment 4: Sms Manager Activity
Experiment 5: Working with HTML webpages(Offline) in Android app
Experiment 6.Android app to play video file with controls
Experiment 7.Splash Screen effect
Experiment 8.Android Dialoge Box

Assessment:

CIA and End Semester Exam based on the practicals will be conducted.