SARVAJANIK COLEGE OF ENGINEERING AND TECHNOLOGY
COMPUTER ENGINEERING DEPARTMENT

LAB ASSIGNMENT
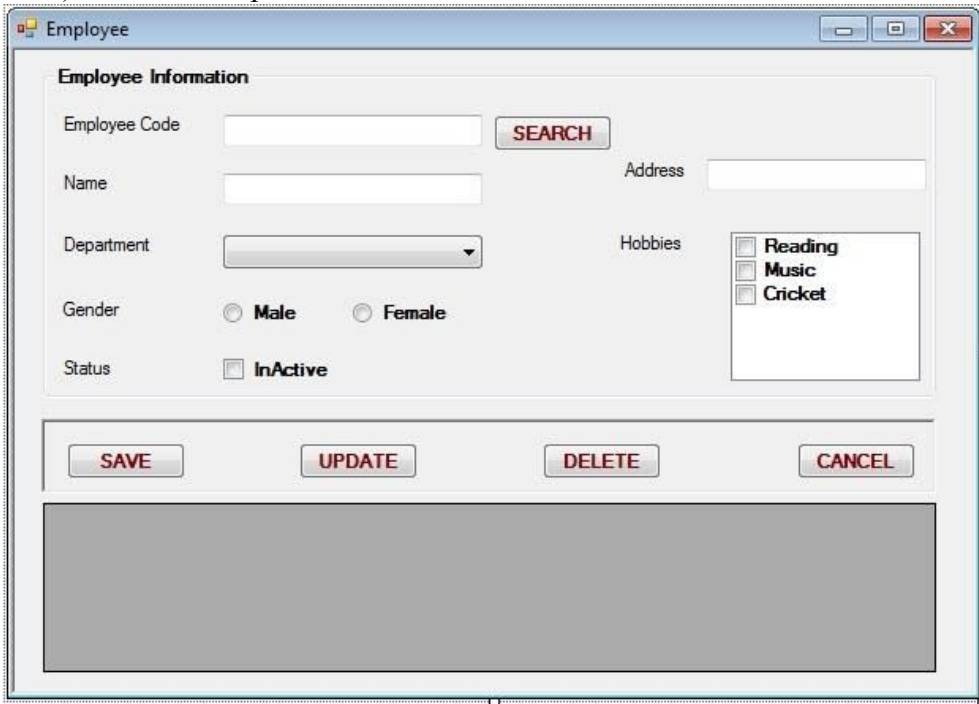
SUBJECT NAME: .NET Technology (2160711)
YEAR: B.E. – III (VIth SEMESTER)

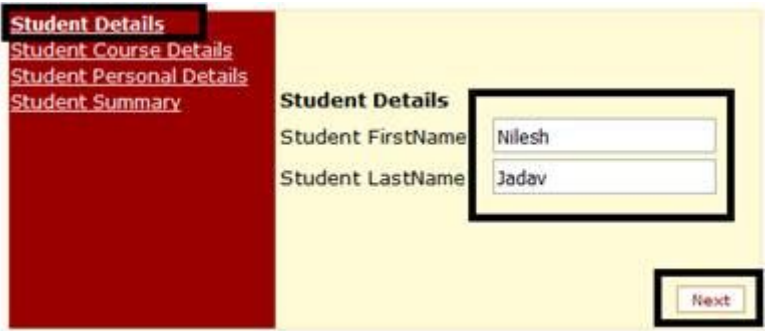| Sr. No	Practical List	No. of Hours
PART -1 Console Applications		
1.	**Write a program by using Console applications (Use ReadLine() &WriteLine() functions):** WAP to enter Employee Name, Age, Joining Date, BASIC, DA, HRA, PF, calculate Gross pay & Net Pay and display it with Employee information. Take DA= 110% of Basic, HRA=20% of Basic, PF=12% of Basic Gross pay=Basic + DA+HRA Net pay=Gross pay – PF	2
2.	● Write C# menu based program to do the following ● Convert binary to decimal ● Convert decimal to hexadecimal ● Convert decimal to binary ● Convert decimal to octal. Create a separate class for each functionality and put each class in a separate namespace in the same program.	
3.	Create console applications to implement following C# Concepts. ● Constructor & Destructor ● Method Overloading ● Inheritance ● Operator Overloading	2
4.	Create a class to demonstrate static property by counting the number of objects created.	
5.	Create a class MyStringIndexer with data member's title, author, and subject. It should contain - Constructor with arguments - Indexer with string index Create a class IndexerDemo for Main function. Write code to get and set values of any data members of MyStringIndexer class.	2
PART -2 Windows Forms		
1.	Create a Windows Form to Convert following currency conversion. Rupees to dollar, frank, euro.	
2.	Create a Windows Form to convert infix notation to postfix notation. Ex: a+b-c => ab+c	2
3.	Create a Windows Form to convert digits to words Ex: 123 => One Hundred and Twenty-three	

4.	Create a Windows Form to implement Calculator Application	
5.	Create a windows form which implements Menus (File, Color). File menu item has 4 options Font, Open, Save, Print (Print Preview and Print), Exit. Color menu item has 3 options Red, Green, Blue and a ColorDialog . Clicking on the file menu items opens the respective dialog boxes and implements the functionality. Clicking on the colors sets the background of the form with respective color. Also provide a Context Menu of your choice.	2
6.	Create a custom control for calculating Simple Interest and Compound Interest.	
7.	Implement Paint application to draw various shapes using GDI+. Use menu to provide various options. Free Hand Drawing should also be implemented.	2
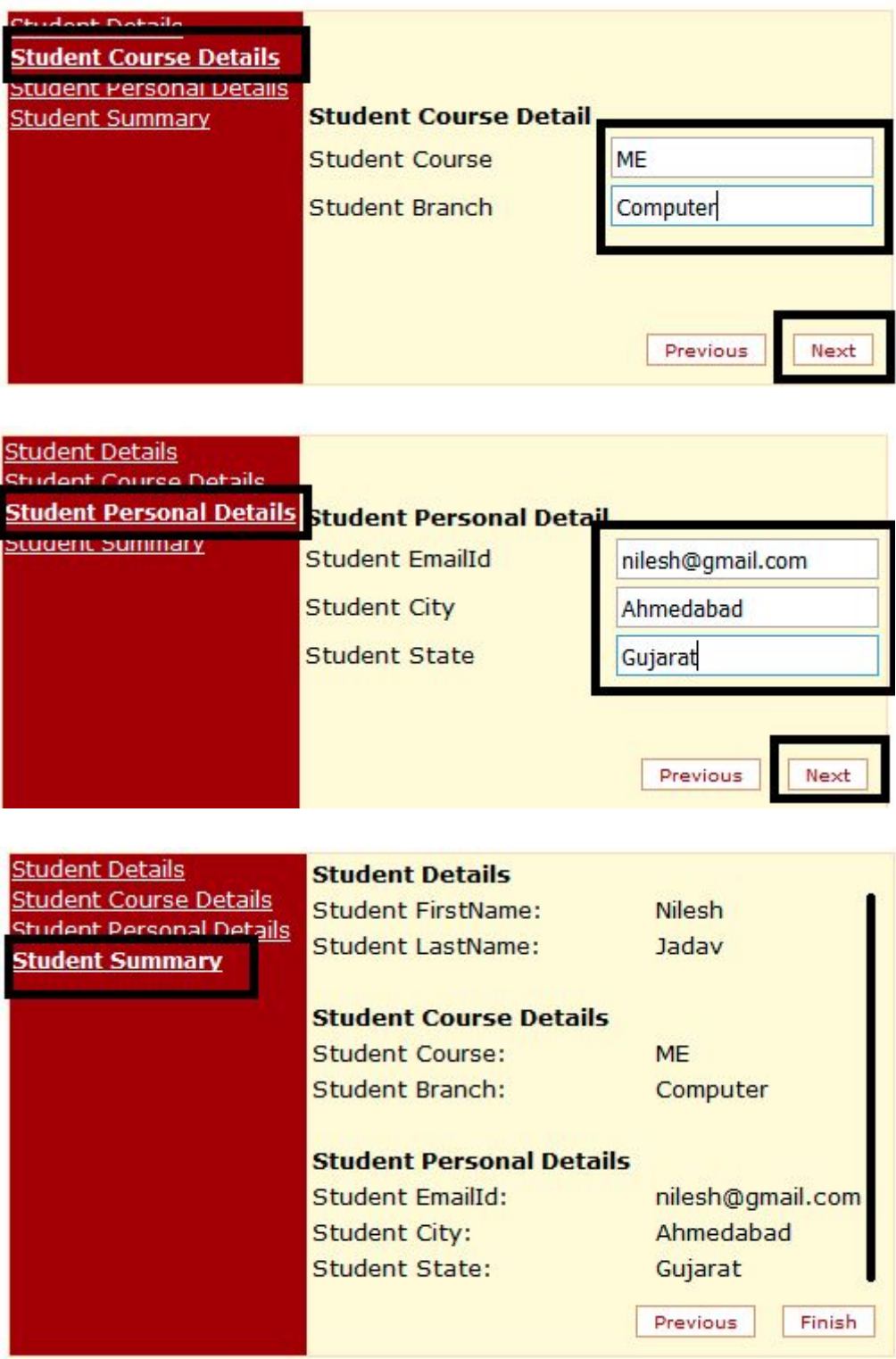
PART -3 ADO.NET		
1.	Implement an MDI form to implement "Employee Management System". When application runs it shows Splash screen, followed by Login Form. Use Progress Bar control to show progress of Login and then open MDI form MDI form should contain the following Forms 1) employee master 2) department master 3) salary generator 4) salary report (month wise and employee wise) 5) Exit menu option	2

PART -4 ASP.NET		
1.	Write a program to check whether empty query string is entered in Asp .net	
2.	Write a program to change color of Label text control programmatically in Asp .Net	
3.	Write a program to Enable-Disable Textbox and change the width of TextBox programmatically in Asp .Net	2
4.	Design an application using Master Pages using Menu Controls.	2

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Computer Engineering Department
DIGITAL ASSETS

Home Department Hardware Software Vendor Maintainence Issue Item Purchase Details Staff Details Admin Task @admin

Welcome admin

Item Issue/Return

Return:
Machine ID   [Select Machine ID ▾]
Return Date   1/4/2018
Returned To   [   ]
[Return]   [Reset]

5.	Implement a Login Module in ASP.NET with C# with sql server database connectivity
	It Contains
	    ● Registration
	    ● Login
	    ● Change Password
	    ● Forgot Password
	
	In this use concepts of State management like cookies, session , query string and perform necessary validations. Also include the concepts of master page.
		2

6.	Create a Website that display Advertisement using Adrotator control.	

7.	Write down code for how data can be displayed in following data bound controls
	    ● DataList
	    ● GridView
	    ● ListView
	    ● Repeater
		2

8.	Implement the page with Wizard control in ASP.NET 	2

Student Course Details
Student Personal Details
Student Summary

Student Course Detail

Student Course   ME

Student Branch   Computer

Previous   Next

Student Details
Student Course Details
Student Personal Details
Student Summary

Student Personal Detail

Student EmailId   nilesh@gmail.com

Student City   Ahmedabad

Student State   Gujarat

Previous   Next

Student Details
Student Course Details
Student Personal Details
Student Summary

Student Details
Student FirstName: Nilesh
Student LastName: Jadav

Student Course Details
Student Course: ME
Student Branch: Computer

Student Personal Details
Student EmailId: nilesh@gmail.com
Student City: Ahmedabad
Student State: Gujarat

Previous   Finish

9.	Create an application for XML Web service for
	  a) conversion of Temperature from Fahrenheit to Celsius and vice versa.
	  b) Simple Interest Calculator.
		2

Faculty:

Prof. JayeshChaudhary   Prof. JayeshChaudhary   Prof.ParizaKamboj

Prof. V. V. Uchhula   **Subject Coordinator**   **Head of Department**