

**Lab Manual**  
**of**  
**.NET Technology**  
**Subject Code: 2160711**

**Academic Year 2016-17**

**Name of Student : Maulik Patel**  
**Enrollment No : 150083116009**  
**Batch : E Batch**  
**Faculty Name : Kanu G Patel**

**BACHELOR OF ENGINEERING**  
*In*  
**INFORMATION TECHNOLOGY**



**Birla Vishwakarma Mahavidhyalaya Engineering College,**  
**Vallabh Vidhyanagar-388120**

**Birla Vishvakarma Mahavidyalaya Engineering College**  
**Information Technology Department**  
**2016-2017**

**CERTIFICATE**

**DATE:**    /    /2017

This is to certify that Mr. / Mrs. \_\_\_\_\_  
of Class/Sem. \_\_\_\_\_ Enrollment No. \_\_\_\_\_ has satisfactorily  
completed his/her term work in Month of \_\_\_\_\_ for the term ending in  
2016/2017, No of Practical certified \_\_\_\_\_ out of \_\_\_\_\_ in the subject of  
**2160711: .NET Technology.**

**Date:**    /    /2017

Signature of Teacher

# INDEX

No.	TITLE	DATE	SIGN
1	<b>Write the following programs in C#.NET :-</b> <ol style="list-style-type: none"> <li>1. Write a program to print "Hello World"</li> <li>2. Write a program to print a pattern</li> <li>3. Write a program to reverse a number</li> <li>4. Write a program to find the greatest value of the three values</li> <li>5. Write a program to sort an integer array of 10 elements in ascending</li> </ol>		
2	<ol style="list-style-type: none"> <li>1. Write C# code to prompt a user to input his/her name and country name and then the output will be shown as an example below: Hello Ram from country India!</li> <li>2. Write a program in which accept two argument as parameter from the user and returns four output value as add, subtract, multiplication and division.</li> </ol>		
3	<b>Create console applications to implement following C# concepts.</b> <ol style="list-style-type: none"> <li>1. Constructor &amp; Copy Constructor.</li> <li>2. Destructor</li> <li>3. Method Overloading</li> <li>4. Properties</li> <li>5. Inheritance</li> <li>6. Exception Handling</li> <li>7. Delegates</li> <li>8. Indexer</li> <li>9. Event</li> <li>10. Reflection API</li> </ol>		
4	<b>Write the following programs in C#.NET :-</b> <ol style="list-style-type: none"> <li>1. Create a window application for basic window form controls that will show the basic property and methods of all that controls.</li> <li>2. Create a calculator using button, label, textbox control in .NET</li> </ol>		

5	<ol style="list-style-type: none"> <li>1. Write a program to demonstrate use of radio button, checkbox, list box, combo box and list view</li> <li>2. Write a program to demonstrate use of inheritance of a form in another form</li> <li>3. Write a program to demonstrate use of MDI form</li> <li>4. Write a program to demonstrate use of print dialog (print document, print preview control and print setup)</li> <li>5. Create Menu Strip in Window form Application</li> </ol>		
6	<p><b>Create a window application for basic Dialog controls that will show the basic property and methods of all that controls.</b></p> <ol style="list-style-type: none"> <li>1. FolderBrowserDialog</li> <li>2. OpenFileDialog</li> <li>3. ColorDialog</li> <li>4. FontDialog</li> <li>5. SaveFileDialog Control</li> </ol>		
7	<p><b>ADO.NET :-</b> Create a window application for connection with sql server and perform basic operations on database. (Insert , Update ,Delete)</p>		
8	<p><b>Write the programs in ASP.NET :-</b></p> <ol style="list-style-type: none"> <li>1. Write a program demonstrating validation control</li> <li>2. Write a program demonstrating login control</li> <li>3. Write a program demonstrating view control</li> <li>4. Write a program demonstrating post back</li> <li>5. Write a program demonstrating master page</li> </ol>		
9	<p><b>Create a web application that will use the concept of cookie, Response, request and session object.</b></p>		
10	<p><b>Create Simple Web Service Application</b></p>		