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Title of Project

Point-to-Point Protocol (PPP)

Submitted in partial fulfilment of the requirements.

Of the Diploma of

In

# INFORMATION TECHNOLOGY

By

|  |  |
| --- | --- |
| Harshit Chauhan | 22202A1005 |
| Jagannath kumbhar | 22202A1001 |
| MUHAMMED SHAIKH | 22202A1006 |

### Under the guidance of

Prof. Ketan Bagade



Department of INFORMATION TECHNOLOGY

### Vidyalankar Polytechnic Wadala (E), Mumbai -37 (Affiliated to MSBTE) 2019-2020

Department of INFORMATION TECHNOLOGY

Format for Micro-Project Proposal

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### PART-A

Title of Micro Project: Prepare Report on Hotel management system.

1.0 Aim of the Micro Project (minimum 30-50 words)

To develop Student Management System.

2.0 Course Outcomes Addressed

Understand the concept of VB.net to develop Management system with its proper implementation.

3.0 Proposed Methodology (Procedure in brief that will be followed to do the microproject about 100-200 words)

Analysis of the topic was done. Information about the topic was gathered using internet and other sources like books etc. Information collected from sources properly documented.

4.0 Action Plan (Sequence and time required for major activities for 8 weeks)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.  No. | Details of Activity | Planned Start Date | Planned Finish Date | Name of Responsible Team Members |
| 1 | Topic selection | 15.04.2023 | 16.04.2023 | MUHAMMED SHAIKH  Harshit Chauhan,  Jagannath kumbhar |
| 2 | Research about Project | 18.04.2023 | 20.04.2023 | MUHAMMED SHAIKH  Harshit Chauhan,  Jagannath kumbhar |
| 3 | Coding. | 20.04.2023 | 21.04.2023 | MUHAMMED SHAIKH  Harshit Chauhan,  Jagannath kumbhar |
| 4 | Report Making | 21.04.2023 | 21.04.2023 | MUHAMMED SHAIKH  Harshit Chauhan,  Jagannath kumbhar |

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#### 5.0 Resources Required (Such as raw material, some machining facility, software etc.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.  No. | Name of Resource/Material | Specifications | Qty | Remarks |
| 1 | PC | Windows 11 | 1 |  |
| 2 | Internet |  | 1 |  |
| 3 | Visual Studio | Version 2022 | 1 |  |
| 4 | Ms Access Database | 2002-2003 Format | 1 |  |

### Names of team members with Roll NO

|  |  |  |
| --- | --- | --- |
| Sr.no | Student Name | Roll No |
| 1 | Harshit Chauhan | 22202A1005 |
| 2 | Jagannath kumbhar | 22202A1001 |
| 3 | MUHAMMED SHAIKH | 22202A1006 |

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PART-B

(Outcomes after Execution and Format for Micro-Project Report, About 6-10 Pages)

Title of Micro Project:

Student Management System using VB.net

#### 1.0 Brief Description: (Importance of the project, in about 100 to 200 words)

We are developing a Student Management Systemusing VB.net to make handling of data in hotel more easier. Using concepts of VB.net will help us gain more knowledge about GAD applications etc.

3.0. Course Outcomes Integrated (Add to the earlier list if more COs are addressed)

Understand the concept of Point-to-Point protocol (PPP) with its advantages and disadvantages.

### Literature Review

Point - to - Point Protocol (PPP) is a communication protocol of the data link layer that is used to transmit multiprotocol data between two directly connected (point-to-point) computers. Since it is a data link layer protocol, data is transmitted in frames. It is also known as RFC 1661.

5.0 Actual Procedure followed:

1. **Topic selection.**
2. **Start to research on particular topic on internet and some based books on this topic.**
3. **Text

   Description automatically generatedMake report.**

6.0 Actual Resources Used: (Mention the actual resources used)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.  No. | Name of Resource/Material | Specifications | Qty | Remarks |
| 1 | PC | Windows 11 | 1 |  |
| 2 | Internet |  | 1 |  |
| 3 | Visual Studio | Version 2022 | 1 |  |
|  |  |  |  |  |

#### 7.0 Outputs of the Micro Projects (Presentation of collected data)

We got know in detail information about applications of VB.net .

Output of Microproject

Graphical user interface, application, table, Excel

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Source Code:

Imports Excel = Miccosoft Office.Interop.Excel

Imports System.Drawing.Printing

Imports Systems.Data.DataTable

Imports Microsoft.Office

Imports Microsoft.Office.Interop

Imports System.IO

Public Class Form1

Private bitmap As Bitmap

Private Sub btnExit\_Click(sender As Object, e As EventArgs) Handles btnExit.Click

Try

Dim iExit As DialogResult

iExit = MessageBox.Show("Confirm if you want to exit", "Add Data and Save", MessageBoxButtons.YesNo,

MessageBoxIcon.Question)

If iExit = DialogResult.Yes Then

Application.Exit()

End If

Catch ex As Exception

MessageBox.Show(ex.Message, "Add Data and Save", MessageBoxButtons.OK, MessageBoxIcon.Error)

End Try

End Sub

Private Sub ExitToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ExitToolStripMenuItem.Click

btnExit\_Click(sender, e)

End Sub

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

For Each row As DataGridViewRow In DataGridView1.SelectedRows

DataGridView1.Rows.Remove(row)

Next

End Sub

Private Sub btnAddNew\_Click(sender As Object, e As EventArgs) Handles btnAddNew.Click

DataGridView1.Rows.Add(txtStudent\_ID.Text, txtFirstname.Text, txtSurname.Text, txtDOB.Text, txtAddress.Text,

cmbGender.Text, txtMobile.Text, txtEmail.Text)

End Sub

Private Sub NewToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles NewToolStripMenuItem.Click

btnAddNew\_Click(sender, e)

End Sub

Private Sub btnPrint\_Click(sender As Object, e As EventArgs) Handles btnPrint.Click

Try

Dim height As Integer = DataGridView1.Height

DataGridView1.Height = (DataGridView1.RowCount + 1) \* DataGridView1.RowTemplate.Height

bitmap = New Bitmap(Me.DataGridView1.Width, Me.DataGridView1.Height)

DataGridView1.DrawToBitmap(bitmap, New Rectangle(0, 0, Me.DataGridView1.Width, Me.DataGridView1.Height))

PrintPreviewDialog1.Document = PrintDocument1

PrintPreviewDialog1.PrintPreviewControl.Zoom = 1

PrintPreviewDialog1.ShowDialog()

DataGridView1.Height = height

Catch ex As Exception

MessageBox.Show(ex.Message)

End Try

End Sub

Private Sub PrintDocument1\_PrintPage(sender As Object, e As PrintPageEventArgs) Handles PrintDocument1.PrintPage

Try

e.Graphics.DrawImage(bitmap, 0, 0)

Catch ex As Exception

MessageBox.Show(ex.Message)

End Try

End Sub

Private Sub PrintToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles PrintToolStripMenuItem.Click

btnPrint\_Click(sender, e)

End Sub

Private Sub btnReset\_Click(sender As Object, e As EventArgs) Handles btnReset.Click

Try

Dim txt

For Each txt In Panel2.Controls

If TypeOf txt Is TextBox Then

txt.text

End If

Next

cmbGender.Text = ""

Catch ex As Exception

MessageBox.Show(ex.Message)

End Try

End Sub

Private Sub SaveToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles SaveToolStripMenuItem.Click

SaveToExcel()

End Sub

End Class

Private Sub SaveToExcel()

Dim excel As Microsoft.Office.Interop.Excel.Application = New Microsoft.Office.Interop.Excel.Application()

Dim workbook As Microsoft.Office.Interop.Excel.\_Workbook = excel.Workbooks.Add(Type.Missing)

Dim worksheet As Microsoft.Office.Interop.Excel.\_Worksheet = Nothing

Try

worksheet = workbook.ActiveSheet

worksheet.Name = "ExportedFromDatGrid"

Dim cellowIndex As Integer = 1

Dim cellColumnIndex As Integer = 1

For j As Integer = 0 To DataGridView1.Columns.Count - 1

worksheet.Cells(cellowIndex, cellColumnIndex) = DataGridView1.Columns(j).HeaderText

cellColumnIndex += 1

Next

cellColumnIndex = 1

cellowIndex += 1

For i As Integer = 0 To DataGridView1.Rows.Count - 1

For j As Integer = 0 To DataGridView1.Columns.Count - 1

worksheet.Cells(cellowIndex, cellColumnIndex) = DataGridView.Rows(i).cells(j).Value.Tostring()

cellColumnIndex += 1

Next

cellColumnIndex = 1

cellowIndex += 1

Next

Dim saveDialog As New SaveFileDialog()

saveDialog.Filter = "Excel files (\*.xlsx)|\*.xlsx|All files (\*.\*)|\*.\*"

saveDialog.FilterIndex = 2

If saveDialog.ShowDialog() = System.Windows.Forms.DialogResult.OK Then

workbook.SaveAs(saveDialog.FileName)

MessageBox.Show("Export Successful")

End If

Catch ex As System.Exception

MessageBox.Show(ex.Message)

Finally

excel.Quit()

workbook = Nothing

excel = Nothing

End Try

End Sub

8.0 Skill Developed/Learning out of this micro-Project

The micro project has improved the skill of leadership, self-involvement, and creativity.

9.0 Applications of chosen Micro-Project topic

The applications are. follows

1.It manages the data generated in Hotel Indurtry.

2.Make handling of data easier

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Name of Student: Harshit Chauhan

Name of Program: IF Semester: IV

Code: 22417

Course Title: GAD

### Micro Project Evaluation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Assessment | | Product Assessment | | Total Marks 10 |
| Part-A | Project | Part-B | Individual |
| Project Proposal | Methodology | Project Report/ | Presentation/ |  |
| (Mark-2) | (Mark-2) | Working Model | Viva |  |
|  |  | (Marks-2) | (Marks-4) |  |
|  |  |  |  |  |

Comments/Suggestions about teamwork/leadership/inter-personal communication (if any)

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Any other Comments:

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Name and Designation of Faculty Members

Signature:

Name of Student: Jagannath Kumbhar

Name of Program: IF Semester: IV

Code: 22417

Course Title: GAD

### Micro Project Evaluation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Assessment | | Product Assessment | | Total Marks 10 |
| Part-A | Project | Part-B | Individual |
| Project Proposal | Methodology | Project Report/ | Presentation/ |  |
| (Mark-2) | (Mark-2) | Working Model | Viva |  |
|  |  | (Marks-2) | (Marks-4) |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

Comments/Suggestions about teamwork/leadership/inter-personal communication (if any)

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Any other Comments:

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Name and Designation of Faculty Members

Signature:

Name of Student: MUHAMMED SHAIKH

Name of Program: IF Semester: IV

Code: 22417

Course Title: GAD

### Micro Project Evaluation Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Process Assessment | | Product Assessment | | Total Marks 10 |
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| (Mark-2) | (Mark-2) | Working Model | Viva |  |
|  |  | (Marks-2) | (Marks-4) |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

Comments/Suggestions about teamwork/leadership/inter-personal communication (if any)

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Any other Comments:

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Name and Designation of Faculty Members

Signature: