



TARANATH SHIKSHANA SAMSTHE'S

SOMA SUBHADRAMMA RAMAN GOUD WOMEN'S COLLEGE

Station Road, Raichur - 584101

(Affiliated to Akkamahadevi Women's University, Vijayapur)

Re-Accredited by NAAC with "B" Grade



Website: www.ssrarians.org

Email: ssrgwcr20@gmail.com

Fax: 08532-225770

Principal: Sri. Satyanarayan. M.Com.



**DEPARTMENT OF
COMPUTER SCIENCE**

**Add-On Course
ON
Visual-Basic.Net**

Academic year 2022-2023



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Add-On course on **Visual-Basic.Net**

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IQAC Coordinator
S.S.R.G. Women's College,
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Principal: Sri. Satyanarayan. M.Com.

To
The Principal,
SSRG women's college,
Raichur.

Date: 01-09-2022

From
Sri. Mohammed Ilyas,
HoD.
Computer Science Department.



Respected Sir,

Sub: Permission to start Add-On course

With respect to the above-cited subject I, the undersigned request you to grant permission to start an Add-On course on 08-09-2022 to 14-10-2022 at 2:30 pm in the college titled "**Visual-Basic.Net**" to B.Com 3rd Semester students. The details of the syllabus and duration are enclosed. This course will helps to the students to build up their skills. Kindly grant the permission.

Thanking You,

Ilyas
Yours Faithfully

[Signature]
IQAC Co-ordinator
S.S.R.G. Women's College,
RAICHUR-584 101.

[Signature]
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Principal: Sri. Satyanarayan. M.Com.

Date: 05-09-2022

Academic council /BOS meeting Resolution

Agenda

ESTABLISHMENT OF ACADEMIC COUNCIL /BOS 2022-23



A meeting of all the heads of the Department was conducted to collect suggestions and regarding establishment of Academic council/Board of Studies in the college. The program intends to enhance the experiential learning students.

Outcomes of the meeting:

- It was approved that the Academic council comprise of all the heads of the departments.
- The heads were to frame a certificate course syllabus and number of periods allotted for each course will be 32 hrs.
- Each certificate course is to be assigned a course code for the purpose of evaluation
- Each head of the department is conduct meeting with their faculties and ensure that each student must enrolled in any one of the certificate courses available in the college.
- It was here by resolved that the certificate course are to be conducted in the Academic year 2022-23

“Visual-Basic.Net”


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Principal: Sri. Satyanarayan. M.Com.

Board of Advisory Committee



- Chairman** : **Sri. Satyanarayan**
Principal S.S.R.G Womens College Raichur
- IQAC Co-ordinator** : **Sri. Sanjaya Pawar**
IQAC Coordinator
S.S.R.G Womens College Raichur
- Course Co-ordinator** : **Sri. Mohammed Iliyas**
Assistant Professor, Department of
Computer Science,
SSRG Women's College, Raichur
- Members** : 1. **Sri. Mohammed Abdul Kareem**
HOD. Assistant Professor,
Department of Computer Science,
LVD College, Raichur
2. **Smt. Yasmeen Patel**
Assistant Professor, Department of
Computer Science,
LVD College, Raichur


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Principal: Sri. Satyanarayan. M.Com.

Visual-Basic.Net



Visual Basic (VB) before .NET, sometimes referred to as Classic Visual Basic,[1] is a third-generation programming language, based on BASIC, and an integrated development environment (IDE), from Microsoft for Windows known for supporting rapid application development (RAD) of graphical user interface (GUI) applications, event-driven programming and both consumption and development of components via the Component Object Model (COM) technology.

Objectives:

- ❖ Design, formulate, and construct applications with VB.NET
- ❖ Integrate variables and constants into calculations applying VB.NET
- ❖ Determine logical alternatives with VB.NET decision structures
- ❖ Implement lists and loops with VB.NET controls and iteration
- ❖ Separate operations into appropriate VB.NET procedures and functions
- ❖ Assemble multiple forms, modules, and menus into working VB.NET solutions
- ❖ Create VB.NET programs using multiple array techniques
- ❖ Build integrated VB.NET solutions using files and structures with printing capabilities
- ❖ Translate general requirements into data-related solutions using database concepts

Learning Outcomes:

- Upon completion of this course, the student will be able to:
- Design, create, build, and debug Visual Basic applications.
- Explore Visual Basic's Integrated Development Environment (IDE).
- Implement syntax rules in Visual Basic programs.
- Explain variables and data types used in program development.
- Apply arithmetic operations for displaying numeric output.
- Write and apply decision structures for determining different operations.
- Write and apply loop structures to perform repetitive tasks.
- Write and apply procedures, sub-procedures, and functions to create manageable code.
- Create one and two dimensional arrays for sorting, calculating, and displaying of data.



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DEPARTMENT OF COMPUTER SCIENCE

Date: 06-09-2022

NOTICE TO STUDENTS



All the B.Com 3rd Semester students are hereby informed that the Department of Computer Science is starting a new Add-On Course of 36 hours "Visual-Basic.Net". Interested students are hereby informed to enroll their name to Program Coordinator **Sri. Mohammed Illiyas**, On or before 05-09-2022. The classes will commence from 08-09-2022. On successful completion of the course on 14-10-2022 duration only certificates will be issued to the students.

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Scheme of Instruction: There shall be three components of the study viz.,

- Orientation programme-1 hour
- Lecture, Computer Lab-30hours
- Test and Feedback -1hour



ASSESSMENT METHOD

Continues testing indicators


- Class attendance and participation – 75% to 100%
- Test 1 -50 to 100%
- Test 2 -50 to 100%
- Final Exam- 50 to 100%

Pattern of Examination:

Sl.No.	Criteria	Marks
1	Final examination	20
2	Computer Lab	20
3	Viva	10

Final result will be announced on the notice board on the basis of their secured classes and distinctions.

The certificate will be distributed to each eligible candidate.


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Department of Computer Science**Visual-Basic.Net****Add-On Course 2022-23****Syllabus**

Unit:1 <u>Introduction to Visual Basic:</u> Introduction Graphics User Interface (GUI), Programming Language (Procedural, Object Oriented, Event Driven), The Visual Basic Environment IDE; Introduction to VB Controls: Textboxes, Frames, check Boxes, Option Buttons, Setting a Border & Style, the shape Control, The line control, Working with multiple controls and their properties, Designing the user Interface, Keyboard access, tab controls. Default & controls property, Coding for Controls, list box and combo box and their properties, filing the list box using property window/ add item method, picture/ image box and their properties.	8hours
Unit:2 <u>Variables, Constants and Calculations:</u> Variables, Variables Public, Private, Static, Constants, Data Types, Naming rules/ conventions, Named & intrinsic, Declaring variables, Scope of variables, Val Function, Arithmetic operations, formatting Data. Error functions and types. Introducing to menu editor.	8 hours
Unit:3 <u>Decision & conditions and Controls:</u> If Statement, If then-else Statement, Comparing String, Compound conditions (and, or Not), Nested if Statements, Case Structure, Using If Statements with option Buttons & Check Boxes, Displaying Message in Message Box, testing Whether input is valid or not. Using call Statement to call a procedure. Do loop, while and for next loop.	8 hours
Unit:4 <u>Working with forms and procedures:</u> Introducing to forms and types of forms and setting form properties, Creating, adding, removing Forms in project, hide, Show Method, Load, Unload, Statement, Me Keywords, Referring to objects on a Different Forms.	4 hours
Unit:5 <u>Working with Databases:</u> Creating the database file for use by Visual Basic (Using MS Access), Using the Data control, Setting its property, Using Data control with forms, using list boxes & combo boxes as data bound controls, updating a database file(adding, deleting records)	4hours


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Time Table for Add-on course on Visual Basic.Net with effect from 08-09-2022 to 14-10-2022 Class B.Com 3rd Semester Department Computer science section 3:20 to 4:30 pm Room No: Computer Science Lab.



Time → Days ↓	10:00 to 10:50	10:50 to 11:40	11:50 to 12:40	12:40 to 1:30	1:30 to 2:30	2:30 to 3:20	3:20 to 4:30
Mon					LUNCH BREAK		VBN
Tue							-do-
Wed							-do-
Thu							-do-
Fri							-do-
Sat							-do-


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List of Students enrolled for the Add-On Course on VISUAL-BASIC.NET



Sl. No	Student Name	Class	Signature
1.	A. Monika Rai	B.Com 3 rd Sem	Monika
2.	A. Sakshi Machali	B.Com 3 rd Sem	Sakshi
3.	A. Sneha	B.Com III rd Sem	Sneha
4.	Abdul Bee	B.Com III rd Sem	Abdul Bee
5.	Aishwarya	B.Com III rd Sem	Aishwarya
6.	Aishwarya	B.Com III rd Sem	Aishwarya
7.	Akshata	B.Com III rd Sem	Akshata
8.	Ambika	B.Com III rd Sem	Ambika
9.	Ambika. M.	B.Com III rd Sem	Ambika M
10.	Anees Anjum	B.Com III rd Sem	Anees
11.	Anusha Pojjar	B.Com III rd Sem	Anusha
12.	Aruna	B.Com III rd Sem	Aruna
13.	B. Hemalatha	B.Com III rd Sem	Hemalatha
14.	B. Neha	B.Com III rd Sem	Neha
15.	Baby	B.Com III rd Sem	Baby
16.	Bhagyashree	B.Com III rd Sem	Bhagyashree
17.	Bhagyashree	B.Com III rd Sem	Bhagyashree
18.	Bhavani	B.Com III rd Sem	Bhavani
19.	Bobba. Gahnavi	B.Com III rd Sem	Bobba gahnavi
20.	Bushra. Ahmedi	B.Com III rd Sem	Bushra
21.	Deepika	B.Com III rd Sem	Deepika
22.	E. Sahana	B.Com III rd Sem	Sahana
23.	G. Kalyani	B.Com III rd Sem	Kalyani
24.	G. Krishnaveni	B.Com III rd Sem	Krishnaveni
25.	G. Rakshita	B.Com III rd Sem	Rakshita
26.	G. Suma	B.Com III rd Sem	Suma
27.	Gattu. Sana. Mohammadi	B.Com III rd Sem	Sana
28.	Gayatri	B.Com III rd Sem	Gayatri
29.	Geethika Patil.	B.Com III rd Sem	Geethika Patil
30.	H. Veena	B.Com III rd Sem	Veena
31.	Haleema Sadiya	B.Com III rd Sem	Haleema
32.	Huda Tarannum	B.Com III rd Sem	Huda
33.	Iffath Tabassum	B.Com III rd Sem	Iffath
34.	Indira	B.Com III rd Sem	Indira
35.	Iqra Madiha	B.Com III rd Sem	Iqra
36.	Jyothi. S	B.Com III rd Sem	Jyothi

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37.	K. Aaisha	B.Com III rd Sem	Aaisha
38.	K. Pavithra	B.Com III rd Sem	Pavithra
39.	K. Ramyalahari	B.Com III rd Sem	Ramya
40.	K. Saritha	B.Com III rd Sem	Saritha
41.	K. Usha	B.Com III rd Sem	Usha
42.	Kalyani Nayak.	B.Com III rd Sem	Kalyani
43.	Kavitha Salkani	B.Com III rd Sem	Kavitha
44.	Keerthi	B.Com III rd Sem	Keerthi
45.	Khaja banu	B.Com III rd Sem	Khaja
46.	Lakshmi	B.Com III rd Sem	Lakshmi
47.	Lakshmi	B.Com III rd Sem	Lakshmi
48.	Latha Bai	B.Com III rd Sem	Latha
49.	M. S. Bhavani	B.Com III rd Sem	M. S. Bhavani
50.	Madhuri Teku	B.Com III rd Sem	Madhuri


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Add-On Course on: Visual-Basic.Net

STUDENTS ATTENDANCE LIST

Sl. No	Students Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1.	A. Manika Rai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	Sakshi nachelli	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3.	A. Sneha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4.	Abdul Reez	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5.	Aishwarya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6.	Aishwarya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7.	Akshata	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8.	Ambika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9.	Ambika-M	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10.	Anaas Arjum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
11.	Anusha Rajaraj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12.	Aswina	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13.	B. Keemalatha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14.	B. Neha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15.	Baby	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16.	Dhagyashree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	



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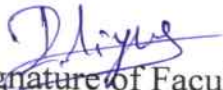
Principal: Sri. Satyanarayan. M.Com.

Report of Add-on course Visual-Basic.Net


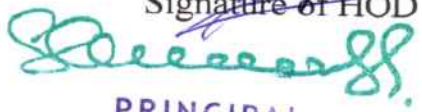
Add-On course	: Visual-Basic.Net
Duration	: 32 hrs
Started on	: 08-09-2022
Completed on	: 14-10-2022
Name of the faculty	: Smt. Yasmeen Patel
Total No of students admitted	: 50
Total No of classes taken	: 32
Total No of students benefited	: 50



The Department of Computer Science Successfully organised Add-on course on Visual-Basic.Net. Total 50 students are joined the course and attended all the classes and distributed certificates to all students. The course "Visual-Basic.Net" is designed to provide students with a programming language designed to create applications that work with Microsoft's new. NET Framework. The NET platform in turn addresses many of the limitations of "classic" COM, Microsoft's Component Object Model, which provided one approach toward application and component interoperability.


Signature of Faculty


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Signature of HOD

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Taranath Shikshana Samshte

**Soma Subhadramma Raman Goud Women's College,
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This is to Certify that Miss.
ofhas completed the Certificate Course on **Visual Basic**.
Net, Conducted by the Department of Computer Science from 08-09-2022 to 14-10-2022.

Head of the Department

Principal



Principal: Sri. Satyanarayan. M.Com.

Question Paper

1. Who developed Visual Basic?

A) Symantec

B) Ashton-Tate

C) Microsoft

D) Sybase

2. Which of the following statement is used to define a class in visual basic?

A) Event class statement

B) Class statement

C) Form class statement

D) Event statement

3. Which of the following extension is used to represent the project file in Visual Basic?

A) .vbp

B) .vb

C) .cls

D) .vvb

4. If you keep a variable undeclared, it is automatically taken as to which of the following data type in Visual Basic?

A) Char

B) Int

C) Object

D) String

5. Which of the following applications can be developed using Visual Basic tool?

A) Graphical User Interface

B) Real-time

C) Character User Interface

D) All of the mentioned

6. Which of the following displays the list of projects contained in the Visual Basic current solution?

A) List Window

B) Project Window

C) Catalogue Window

D) Solution Explorer Window

7. Which of the following instruction tells the computer to close the current form in Visual Basic?

A) This.Close()

B) Me. Close ()

C) Close.this()

D) Close()

8. Object responds to an event by writing _____

- A) Defining events
- B) Operations
- C) Defining actions
- D) Event procedure

9. What output will be returned if the following Visual Basic code is executed?

```
strVisualBasic = "Sanfoundry, VB.Net"
intCharIndex = strVisualBasic.IndexOf("VB")
```

- A) 11
- B) 12
- C) False
- D) True

10. What will be the output of the following Visual Basic code?

```
Dim intScores As Integer = {78, 83, 75, 90}
Array.Reverse(intScores)
```

- A) 78,75,83,90
- B) 90,75,83,78
- C) 78, 83, 75,90
- D) 75,78, 83,90

11. Which of the following is used to write a stream of characters in Visual Basic?

- A) StreamReader object
- B) StreamReader class
- C) StreamWriter object
- D) StreamWriter class

12. What is the value of len in the following Visual Basic code?

```
Dim strVB() As String = {"Sanfoundry", "Visual Basic", "VB.Net", "Visual Studio"}
Dim len As Integer
len = strVB.Length()
```

- A) 3
- B) 5
- C) 4
- D) 0

13. Which of the following toolbox is used to include an image on the Visual Basic form?

- A) Add Image box
- B) Picture Box
- C) Add Picture Box
- D) Image box

14. In visual basic language what are the rules of a programming language called?

- A) Grammar
- B) Order
- C) Syntax
- D) Rules

15. What happens when both the minimize box and maximize box property are set to false in Visual Basic?

- A) Both are removed from the title bar
- B) Both are disabled
- C) This situation shows an exception
- D) This situation shows an error

16. In Visual Basic, which of the following keyword tells the computer to pass the variable's address rather than its contents?

- A) ByVal
- B) ByVal
- C) ByRef
- D) ByVal

17. Which of the following forces a literal constant to assume a data type other than the one its form indicates?

- A) Any literal
- B) Keyword
- C) Literal type constant
- D) Literal type variable

18. Which of the following is used to display a message box in Visual Basic?

- A) MessageBox.Show
- B) MessageBox.show
- C) MessageBox
- D) MessageBox.View

19. In Visual Basic, which of the following method converts a string to a number?

- A) Convert
- B) Tryparse
- C) Extern
- D) Parse

20. Which of the following is used to convert a number from one data type to another in visual studio?

- A) Literal constant
- B) Object
- C) Convert class
- D) Parser



Principal: Sri. Satyanarayan. M.Com.

Question Paper

19
20

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 C) Microsoft

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- B) Project Window
 D) Solution Explorer Window

7. Which of the following instruction tells the computer to close the current form in Visual Basic?

- A) This.Close()
 C) Close.this()

- B) Me. Close ()
 D) Close()

8. Object responds to an event by writing _____

- A) Defining events
- C) Defining actions

- B) Operations
- D) Event procedure

9. What output will be returned if the following Visual Basic code is executed?

```
strVisualBasic = "Sanfoundry, VB.Net"
intCharIndex = strVisualBasic.IndexOf("VB")
```

- A) 11
- C) False

- B) 12
- D) True

10. What will be the output of the following Visual Basic code?

```
Dim intScores As Integer = {78, 83, 75, 90}
Array.Reverse(intScores)
```

- A) 78,75,83,90
- C) 78, 83, 75,90

- B) 90,75,83,78
- D) 75,78, 83,90

11. Which of the following is used to write a stream of characters in Visual Basic?

- A) StreamReader object
- C) StreamWriter object

- B) StreamReader class
- D) StreamWriter class

12. What is the value of len in the following Visual Basic code?

```
Dim strVB() As String = {"Sanfoundry", "Visual Basic", "VB.Net", "Visual Studio"}
Dim len As Integer
len = strVB.Length()
```

- A) 3
- C) 4

- B) 5
- D) 0

13. Which of the following toolbox is used to include an image on the Visual Basic form?

- A) Add Image box
- C) Add Picture Box

- B) Picture Box
- D) Image box

14. In visual basic language what are the rules of a programming language called?

- A) Grammar
- C) Syntax

- B) Order
- D) Rules

15. What happens when both the minimize box and maximize box property are set to false in Visual Basic?

- A) Both are removed from the title bar
- B) Both are disabled
- C) This situation shows an exception
- D) This situation shows an error

16. In Visual Basic, which of the following keyword tells the computer to pass the variable's address rather than its contents?

- A) ByAdd
- B) ByPoint
- C) ByRef
- D) ByVal

17. Which of the following forces a literal constant to assume a data type other than the one its form indicates?

- A) Any literal
- B) Keyword
- C) Literal type constant
- D) Literal type variable

18. Which of the following is used to display a message box in Visual Basic?

- A) MessageBox.Show
- B) MessageBox.show
- C) MessageBox
- D) AlertBox.View

19. In Visual Basic, which of the following method converts a string to a number?

- A) Convert
- B) Tryparse
- C) Extern
- D) Parse

20. Which of the following is used to convert a number from one data type to another in visual studio?

- A) Literal constant
- B) Object
- C) Convert class
- D) Parser



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Computer Lab-Practical Questions

1. Implement the Program for finding greatest among three numbers using if-else.
2. Develop a program for performing arithmetic operation using select case.



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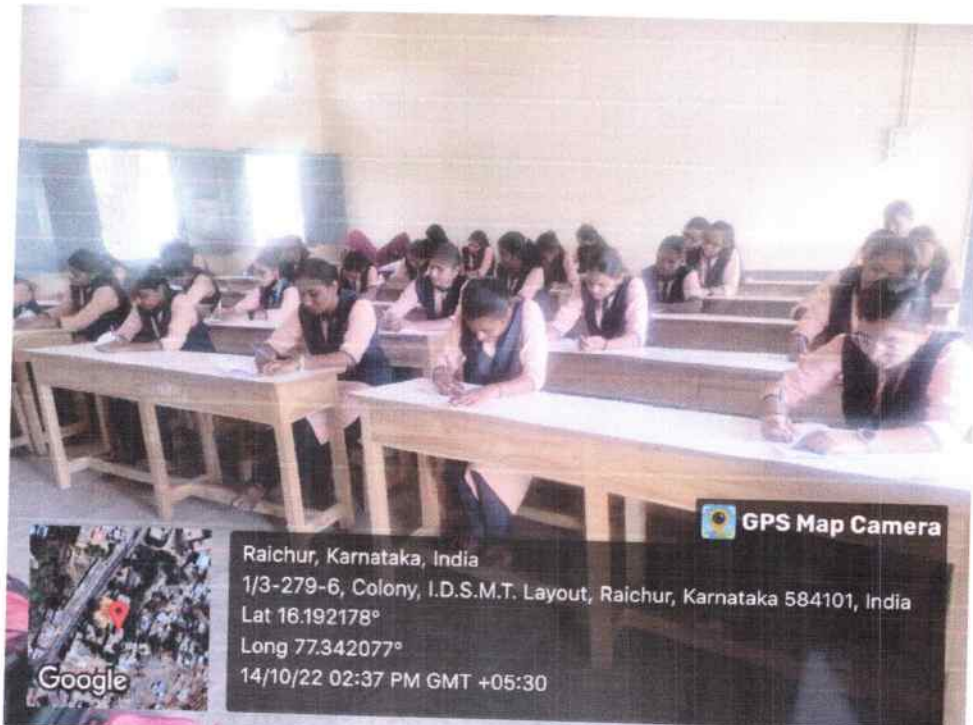
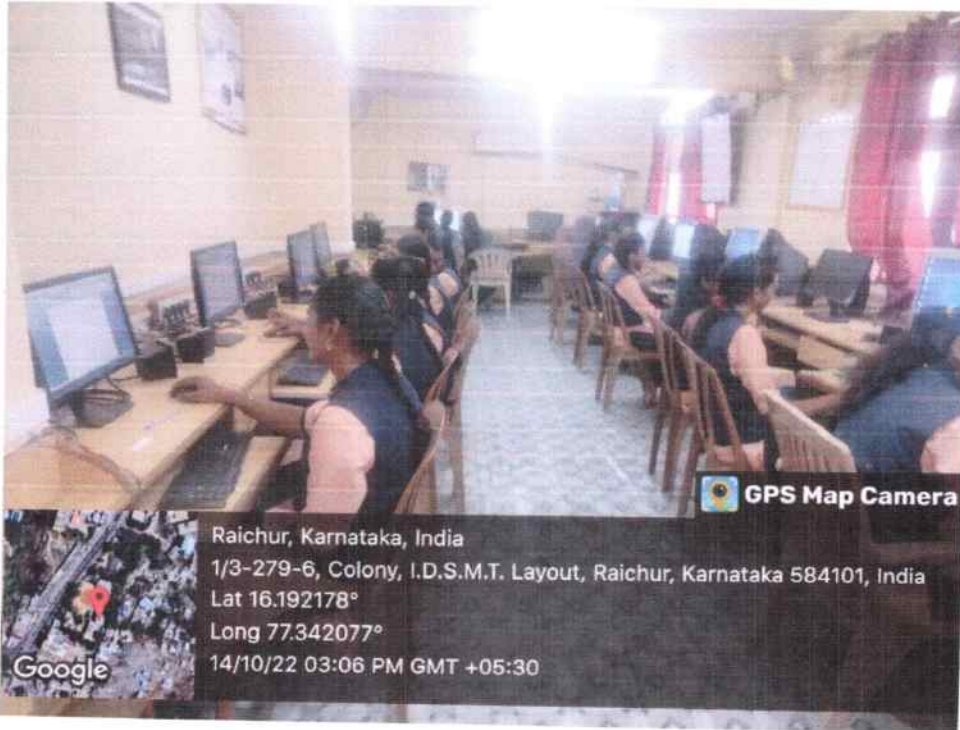
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