

Project No: 1**Student Detail:**

Project Title: Develop a GUI interface to perform bitwise AND, OR, NOT, XOR operation on two decimal numbers with explanation using python.

Project Description:

The minimum requirement of GUI as follows:

Main
Frame

| | | | |
|---------------------------|---------------------------|-------------|--|
| Number 1 | | Number 2 | |
| <input type="radio"/> AND | <input type="radio"/> OR | | |
| <input type="radio"/> NOT | <input type="radio"/> XOR | | |
| Result | | Explanation | |
| Result is: | | | |

On click of explanation button, open a new window which look like as:

Explanation

| | | | |
|----------------|----|---------|------|
| Number 1 | 10 | Binary: | 1010 |
| Number 2 | 8 | Binary: | 1000 |
| | | AND | 1000 |
| Decimal Result | | 8 | |

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new features to make a better look.

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Project No: 2 | Student Details |
| Project Title: Develop a GUI interface to convert number form one number system (binary, octal, decimal and hexadecimal) to other number system (binary, octal, decimal and hexadecimal) with explanation using Python | |
| Project Description: The minimum requirement of GUI as follows: | |
| <div> <div>Main Frame</div> <div> <div> <div>Enter a Number</div> <div> <input type="text"/> </div> </div> <div> <div> <input type="radio"/> Binary <input type="radio"/> Octal <input type="radio"/> Decimal <input type="radio"/> Hexadecimal </div> <div> <div>Binary</div> <div>Octal</div> <div>Decimal</div> <div>Hexadecimal</div> </div> </div> <div> <div>Number to be converted in</div> <div> <div>Binary</div> <div>Octal</div> <div>Decimal</div> <div>Hexadecimal</div> </div> </div> <div> <div>Result</div> <div>Explanation</div> </div> </div> <div> <div>RESULT</div> <div> <div> <div>Binary</div> <div>Octal</div> <div>Decimal</div> <div>Hexadecimal</div> </div> <div> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> </div> </div> <div> Explanation cover the process to convert one number system to other system </div> </div> </div> | |
| On click of explanation button, open a new window that explain the process of conversion in number system. | |
| Rubrics: <ul style="list-style-type: none"> • Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks) • Hard copy report (15 Marks) • Viva and Presentation(10 Marks) • Project Code (10 Marks) • Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | |
| Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement. | |

| | |
|----------------------|------------------------|
| Project No: 3 | Student Details |
|----------------------|------------------------|

Project Title: Design a Scientific calculator with proper GUI using python.

Project Description:

The minimum requirement of GUI as follows:

Calculator

INPUT VALUE IN



Degree



Radians

| | | | | | | | |
|------|-------|------|---|-------|---|---|------|
| INV | Log | (|) | Clear | | + | sqrt |
| sin | cos | Tan | 7 | 8 | 9 | - | % |
| asin | acos | atan | 4 | 5 | 6 | / | // |
| pow | exp | Abs | 1 | 2 | 3 | * | ** |
| ceil | floor | , | 0 | | . | = | |

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

Project No: 4

Student Details

Project Title: Design a GUI for Fitness Calculator of person using python.

Project Description: The minimum requirement of GUI as follows:

Fitness

Name: Age:

Gender ☐ Male ☐ Female

| | |
|-------------|----------------------|
| Weight: | <input type="text"/> |
| Height: | <input type="text"/> |
| BP Low: | <input type="text"/> |
| BP High: | <input type="text"/> |
| Pulse Rate: | <input type="text"/> |
| RBC Count: | <input type="text"/> |
| WBC Count: | <input type="text"/> |
| Platelets | <input type="text"/> |
| HB | <input type="text"/> |
| Uric Acid | <input type="text"/> |
| Cholesterol | <input type="text"/> |

Generate Report

Report should look like:

Report

| | |
|--------------------------------|----------------------|
| BMI (Body Mass Index): | <input type="text"/> |
| BP (High/Medium/Low): | <input type="text"/> |
| Pulse Rate (High/Medium/Low): | <input type="text"/> |
| RBC Count (High/Medium/Low): | <input type="text"/> |
| WBC Count (High/Medium/Low): | <input type="text"/> |
| Platelets (High/Medium/Low): | <input type="text"/> |
| HB (High/Medium/Low): | <input type="text"/> |
| Uric Acid (High/Medium/Low): | <input type="text"/> |
| Cholesterol (High/Medium/Low): | <input type="text"/> |

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

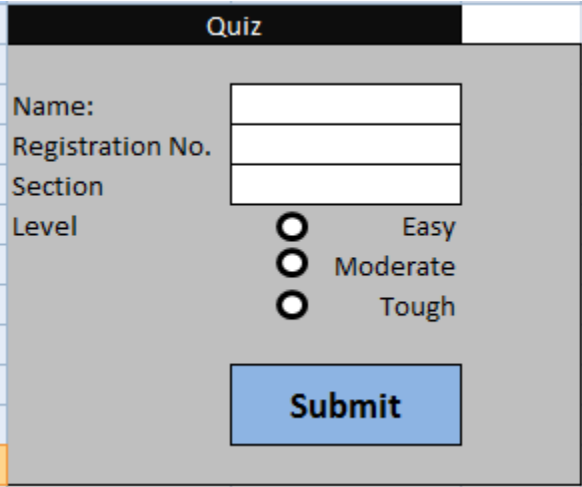
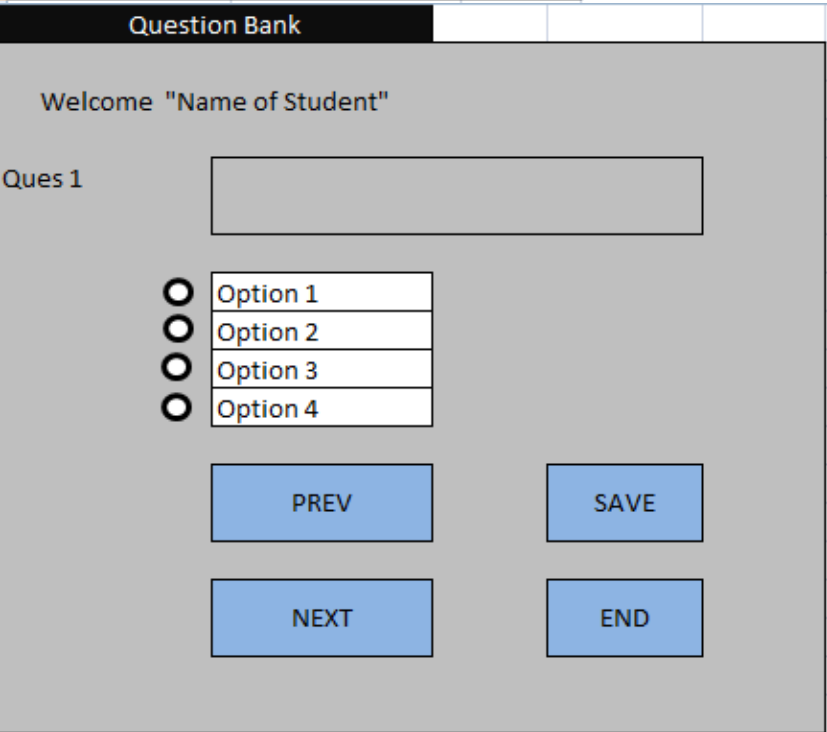
Note: Student can collect the data from various fitness centres. Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| Project No: 5 | Student Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|-----------------------------|--------|--|-----------|--|--|-----------------------------|-----------|--|--|-----------|--|--|-----------|--|--|-----------|--|--|-----------|--|--|--|-------|--------|--|-----------|--|--|-----------------------------|-----------|--|--|-----------|--|--|-----------|--|--|-----------|--|--|-----------|--|--|
| Project Title: Design a CGPA Calculator with a GUI and also show the grades based on CGPA using python. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Description: The minimum requirement of GUI as follows: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div> <div>CGPA CALCULATOR</div> <div> <div>Sem 1</div> <table border="1"> <thead> <tr> <th></th> <th>Grade</th> <th>Credit</th> <th></th> </tr> </thead> <tbody> <tr> <td>Subject 1</td> <td></td> <td></td> <td rowspan="6"> <div>TGPA</div> <div></div> </td> </tr> <tr> <td>Subject 2</td> <td></td> <td></td> </tr> <tr> <td>Subject 3</td> <td></td> <td></td> </tr> <tr> <td>Subject 4</td> <td></td> <td></td> </tr> <tr> <td>Subject 5</td> <td></td> <td></td> </tr> <tr> <td>Subject 6</td> <td></td> <td></td> </tr> </tbody> </table> </div> <div>Sem 2</div> <table border="1"> <thead> <tr> <th></th> <th>Grade</th> <th>Credit</th> <th></th> </tr> </thead> <tbody> <tr> <td>Subject 1</td> <td></td> <td></td> <td rowspan="6"> <div>TGPA</div> <div></div> </td> </tr> <tr> <td>Subject 2</td> <td></td> <td></td> </tr> <tr> <td>Subject 3</td> <td></td> <td></td> </tr> <tr> <td>Subject 4</td> <td></td> <td></td> </tr> <tr> <td>Subject 5</td> <td></td> <td></td> </tr> <tr> <td>Subject 6</td> <td></td> <td></td> </tr> </tbody> </table> <div> <div>CGPA</div> <div></div> <div>Remarks</div> <div></div> </div> </div> | | | Grade | Credit | | Subject 1 | | | <div>TGPA</div> <div></div> | Subject 2 | | | Subject 3 | | | Subject 4 | | | Subject 5 | | | Subject 6 | | | | Grade | Credit | | Subject 1 | | | <div>TGPA</div> <div></div> | Subject 2 | | | Subject 3 | | | Subject 4 | | | Subject 5 | | | Subject 6 | | |
| | Grade | Credit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 1 | | | <div>TGPA</div> <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Grade | Credit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 1 | | | <div>TGPA</div> <div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subject 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rubrics: <ul style="list-style-type: none"> • Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks) • Hard copy report (15 Marks) • Viva and Presentation(10 Marks) • Project Code (10 Marks) • Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Student can collect the data of student from UMS or contact faculty member . Above mentioned project description is minimum requirement, you can add new feature, new better look | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

according to your requirement.

| Project No: 6 | Student Details |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Project Title: Design a ATM Management System using python. | |
| Project Description: The minimum requirement of GUI as follows: | |
| Main Frame | <div><div>Enter 4 digit pin</div><div>Submit</div></div> |
| Options | <div><div>Balance Inquiry</div><div>Deposit</div><div>Withdrawal</div><div>Pin Change</div></div> |
| Pin Change | <div><div>old Pin:</div><div>New Pin:</div><div>Re-enter Pin:</div><div>Submit</div></div> |
| Rubrics: <ul style="list-style-type: none">• Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)• Hard copy report (15 Marks)• Viva and Presentation(10 Marks)• Project Code (10 Marks)• Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | |

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

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| Project No: 7 | Student Details |
| Project Title: Design Quiz Module with a proper Interface for INT 213 and should include questions based on categories (Easy, Average and Tough Questions) in Python. | |
| Project Description: The minimum requirement of GUI as follows: | |
|  | |
|  | |
| RESULT : M.O/T.M | |



Suggested topics are:

- 1. Tuples**
- 2. List**
- 3. Dictionary**
- 4. Recursion**
- 5. Functions**

Number of questions for each module should be greater than 10.

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Project No: 8 | Student Details |
| Project Title: KIDS LEARNING GAME :Based on Image Recognition, design a game in which the kids will watch the various images for some particular time duration and after that they have to recognize them by the names of images. | |
| Project Description: The minimum requirement of GUI as follows: | |

Images

Frame

| | |
|--|-------------|
| | Cat |
| | Python |
| | Earth |
| | Message box |

In first panel/window some images will be there (at least 4), then the user will press ok button. On pressing OK button at least 10 names will appear and the list also contain name of the images last displayed and then user can submit it. After submitting the count will appear that will show how many images are correctly recognized.

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Project No: 9 | Project Details |
| Project Title: Design a Puzzle Game in which, various letters will be shown in a table and he/she can move horizontally ,vertically or diagonally in order to make meaningful words. | |
| Project Description: | |

The minimum requirement of GUI as follows:

Puzzle Game

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|--|
| A | B | C | D | W | X | K | L | | | | |
| X | E | I | J | | | | | | | | |
| M | A | | | A | | | | | | | |
| | U | | | | V | | | | | | |
| | T | E | C | H | N | O | L | O | G | Y | |
| | I | | | | | | J | | | | |
| | F | | | | | | | A | | | |
| | U | | | | | | | | V | | |
| | L | I | B | R | A | R | Y | | | A | |

OK

RESET

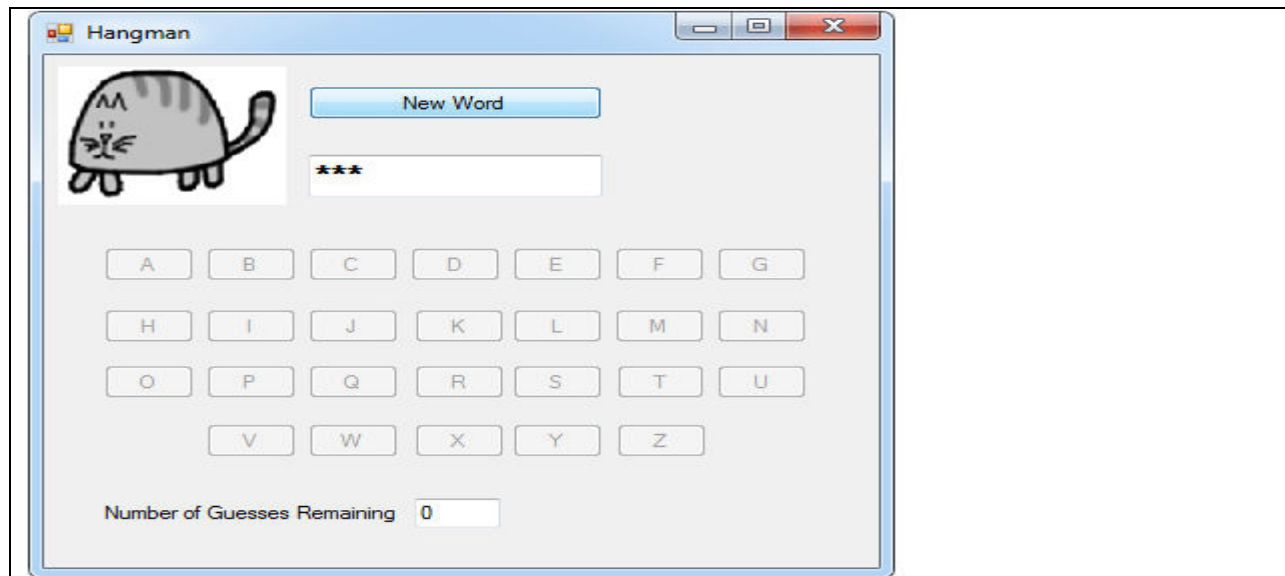
Use Above Written words in your puzzle game and size of metrics will be N*N.

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| | |
|---------------------------------------------------------------------------|------------------------|
| Project No: 10 | Project Details |
| Project Title: Design a Hangman Game using python. | |
| Project Description: The minimum requirement of GUI as follows: | |



A GUI should be made using Images. Images would show on after clicking on *New Word Button*. The user is provided with a *Textbox* in which the correct word corresponding to the image is typed. An *OK button* would take the input from the user. Apart from it a virtual Keyboard is there to type the words. A counter for number of correct guesses is also given, utmost the user can give 3 wrong answers, and hence he need to start a new game after it. The correct names corresponding to each image and the hints are to be stored in an external database.

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| Project No: 11 | Student Details |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Project Title: Design a system to keep the track of number of pizza orders, delivery of pizzas to a particular venue, cancellation of orders. | |
| Project Description: The minimum requirement of GUI as follows: <div> <div>Customer</div> <div> <div>Order Pizza</div> <div>Cancel Order</div> <div>Track Order</div> </div> </div> | |

Order Pizza

| | | | |
|------------|--------------------------------------------|-----------------|---------------------------------------------|
| Name | <input type="text"/> | | |
| Address | <input type="text"/> | | |
| Pizza Type | <input type="text" value="small (95 Rs)"/> | Medium (195 Rs) | <input type="text" value="Large (295 Rs)"/> |
| Mobile no | <input type="text"/> | | |
| Email Id | <input type="text"/> | | |
| | <input type="button" value="Order Now"/> | | |

Cancel Order

| | |
|----------|-------------------------------------------|
| Name | <input type="text"/> |
| Order ID | <input type="text"/> |
| | <input type="button" value="Cancel Now"/> |

Track Order

| | |
|----------|------------------------------------------|
| Order ID | <input type="text"/> |
| | <input type="button" value="Track Now"/> |

Vendor

| | |
|------------------------------------------------|-----------------------------------------------|
| <input type="button" value="New Pizza order"/> | <input type="button" value="Canceled order"/> |
| <input type="button" value="Serverd Order"/> | <input type="button" value="Pending order"/> |

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

Project No: 12

Student Details

Project Title: Design a Books Management System in LPU using python.

Project Description: The minimum requirement of GUI as follows:

BMS

Login

New user

Available books

Register

Name

Address

Gender

Male

Female

Mobile no

Email Id

Submit

Login Page

User Name

Pass Word

Login Now

New User

Submit book

USER Name

Book Name

Price

in Rs

Submit

Request book

USER Name

Available

books

AI

DS

| | | |
|-------|-------|--|
| Price | in Rs | |
| | order | |

If someone wants to sale, re-sale or purchase a book, they can use this System.

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Project No: 13 | Project Details |
| Project Title: Design a Parking Management System for LPU using python. | |
| Project Description: The minimum requirement of GUI as follows: | |
| <div>PMS</div> <div> <div>Login</div> <div>New user</div> <div>Available parking</div> </div> | |
| <div>Register</div> <div> <div> <div>Name</div> <div>Reg. No</div> <div>Hostel/Block</div> <div>Gender</div> <div>Mobile no</div> <div>Email Id</div> </div> <div> <div></div> <div></div> <div></div> <div> <div>Male</div> <div>Female</div> </div> <div></div> <div></div> <div>Submit</div> </div> </div> | |
| <div>Login Page</div> | |

| | | | | |
|-----------|--|---------------------------|--------------------------|--|
| User Name | | <input type="text"/> | | |
| Pass Word | | <input type="password"/> | | |
| | | Login Now | New User | |

Parking Request

| | | | |
|---------------|------------------------------------|---------------------------------|--|
| Reg. No | <input type="text"/> | | |
| Parking Block | <input type="text" value="34"/> | <input type="text" value="29"/> | |
| Price | <input type="text" value="in Rs"/> | | |
| | order | | |

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| | |
|-----------------------|------------------------|
| Project No: 14 | Student Details |
|-----------------------|------------------------|

| |
|--------------------------------------------------------------------------------|
| Project Title: Design a Courier Management System for LPU using python. |
|--------------------------------------------------------------------------------|

Project Description:
The minimum requirement of GUI as follows:

CMS

| | | |
|-----------------------|--------------------------|-----------------------------------|
| Login | New user | Track Consignment |
|-----------------------|--------------------------|-----------------------------------|

Register

| | |
|---------|----------------------|
| Name | <input type="text"/> |
| Reg. No | <input type="text"/> |

| | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|---------------------------------|-------------------|
| <div>Gender</div> <div>Male</div> <div>Female</div> | | <div>Mobile no</div> <div></div> | <div>Email Id</div> <div></div> | <div>Submit</div> |
| <div>Login Page</div> | | | | |
| <div>User Name</div> <div></div> | | <div>Pass Word</div> <div></div> | | |
| <div>Login Now</div> | | <div>New User</div> | | |
| <div>Track Consignment</div> | | | | |
| <div>Mobile No</div> <div></div> | | <div>Consignment No</div> <div></div> | | |
| <div>Track</div> | | | | |
| Rubrics: <ul style="list-style-type: none"> • Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks) • Hard copy report (15 Marks) • Viva and Presentation(10 Marks) • Project Code (10 Marks) • Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | | | | |
| Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement. | | | | |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <div>Project No: 15</div> | <div>Student Details</div> |
| <div>Project Title: Design a System for booking Cabs within LPU using python.</div> | |
| <div>Project Description:</div> <div>The minimum requirement of GUI as follows:</div> <div>CAbMS</div> <div> <div>Login</div> <div>New user</div> <div>Available Routes</div> </div> | |

Register

| | | |
|-----------|---------------------------------------|------------------------------|
| Name | <input type="text"/> | |
| Gender | <input type="radio"/> Male | <input type="radio"/> Female |
| Mobile no | <input type="text"/> | |
| Email Id | <input type="text"/> | |
| | <input type="button" value="Submit"/> | |

Login Page

| | | |
|-----------|------------------------------------------|-----------------------------------------|
| User Name | <input type="text"/> | |
| Pass Word | <input type="password"/> | |
| | <input type="button" value="Login Now"/> | <input type="button" value="New User"/> |

Booking Request

| | | |
|------------|-------------------------------------|----------------------------------|
| Mobile. No | <input type="text"/> | |
| From | <input type="text"/> | <input type="button" value="V"/> |
| TO | <input type="text"/> | <input type="button" value="V"/> |
| Fare | <input type="text"/> | |
| Day | <input type="text"/> | |
| Time | <input type="text"/> | |
| | <input type="button" value="book"/> | |

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
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- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| Project No: 16 | Student Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|----------|------------|----------|------------|---------|----------|---|-------|--------|--------|-------|-----------|-------|---|-------|--------|--------|----------|--------|-------|---|--------|--------|------------|--------|--------|--------|---|-------|---------|-------|--------|--------|-------|---|
| Project Title: Travelling sales man problem implementation using python. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Description: A travelling sales man problem involves a sales man who must make a tour of 5 cities Ludhiana, Jalandhar, Amritsar, Chandigarh, Patiala. Using the shortest path available by visiting each city exactly once and return to the starting city. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Map of following problem consider as : <table border="1"> <tr> <th>City</th> <th>Ludhiana</th> <th>Jalandhar</th> <th>Amritsar</th> <th>Chandigarh</th> <th>Patiala</th> </tr> <tr> <td>Ludhiana</td> <td>0</td> <td>61 KM</td> <td>140 KM</td> <td>106 KM</td> <td>93 KM</td> </tr> <tr> <td>Jalandhar</td> <td>61 KM</td> <td>0</td> <td>80 KM</td> <td>149 KM</td> <td>154 KM</td> </tr> <tr> <td>Amritsar</td> <td>140 KM</td> <td>80 KM</td> <td>0</td> <td>229 KM</td> <td>235 KM</td> </tr> <tr> <td>Chandigarh</td> <td>106 KM</td> <td>149 KM</td> <td>229 KM</td> <td>0</td> <td>75 KM</td> </tr> <tr> <td>Patiala</td> <td>93 KM</td> <td>154 KM</td> <td>235 KM</td> <td>75 KM</td> <td>0</td> </tr> </table> | | City | Ludhiana | Jalandhar | Amritsar | Chandigarh | Patiala | Ludhiana | 0 | 61 KM | 140 KM | 106 KM | 93 KM | Jalandhar | 61 KM | 0 | 80 KM | 149 KM | 154 KM | Amritsar | 140 KM | 80 KM | 0 | 229 KM | 235 KM | Chandigarh | 106 KM | 149 KM | 229 KM | 0 | 75 KM | Patiala | 93 KM | 154 KM | 235 KM | 75 KM | 0 |
| City | Ludhiana | Jalandhar | Amritsar | Chandigarh | Patiala | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ludhiana | 0 | 61 KM | 140 KM | 106 KM | 93 KM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jalandhar | 61 KM | 0 | 80 KM | 149 KM | 154 KM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amritsar | 140 KM | 80 KM | 0 | 229 KM | 235 KM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chandigarh | 106 KM | 149 KM | 229 KM | 0 | 75 KM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Patiala | 93 KM | 154 KM | 235 KM | 75 KM | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Find the shortest path considering starting city Ludhiana, Jalandhar, Amritsar, Chandigarh, and Patiala respectively. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rubrics: <ul style="list-style-type: none"> • Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks) • Hard copy report (15 Marks) • Viva and Presentation(10 Marks) • Project Code (10 Marks) • Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Project No: 17 | Student Details |
| Project Title: Capstone supervisor allocation portal for LPU students using python. | |
| Project Description: The minimum requirement of GUI as follows: | |
| <div> <div>Student</div> <div> <div>Login</div> <div>New User</div> <div>Request for Supervisor</div> </div> </div> | |
| <div> <div>New user student</div> <div> <div> <div>Name</div> <div>Reg. No</div> <div>Specialization</div> </div> <div> <div></div> <div></div> <div></div> </div> </div> </div> | |

| | |
|--------------------------|----------------------|
| Mobile no | <input type="text"/> |
| Email Id | <input type="text"/> |
| Register | |

Login Page

| | | |
|---------------------------|----------------------|--------------------------|
| User Name | <input type="text"/> | |
| Pass Word | <input type="text"/> | |
| Login Now | | New User |

New user supervisor

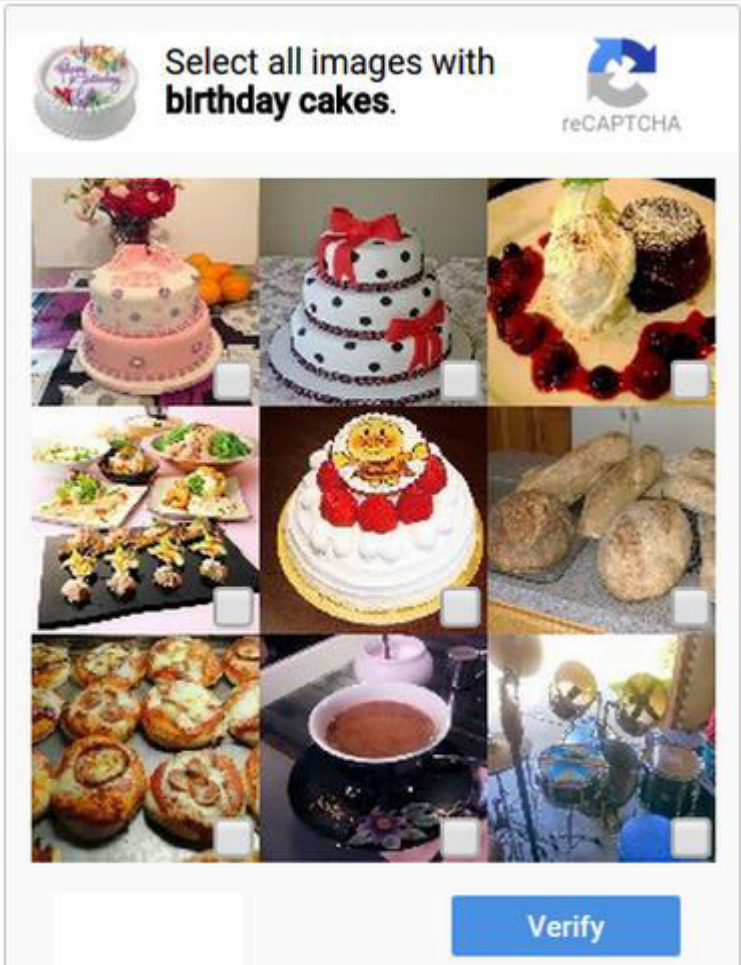
| | |
|--------------------------|----------------------|
| Name | <input type="text"/> |
| UID | <input type="text"/> |
| Specialization | <input type="text"/> |
| Mobile no | <input type="text"/> |
| Email Id | <input type="text"/> |
| Register | |


Supervisor

| | |
|----------------------------|---------------------------------|
| Login | New user |
| Open Hours | Select Students |

- Rubrics:**
- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
 - Hard copy report (15 Marks)
 - Viva and Presentation(10 Marks)
 - Project Code (10 Marks)
 - Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.

| | |
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| Project No: 18 | Student Details |
| Project Title: Image base captcha using python. | |
| Project Description: The permission should be granted to move to next page of the application only if user is authenticated based on image captcha. Sample GUI of this project look like. | |
|  | |
| Rubrics: <ul style="list-style-type: none"> • Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks) • Hard copy report (15 Marks) • Viva and Presentation(10 Marks) • Project Code (10 Marks) • Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | |
| Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement. | |

| | |
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| Project No: 19 | Student Details |
| Project Title: Text based Captcha using python | |
| <p>The permission should be granted to move to next page of the application only if user is authenticated based on text captcha.</p> <p>Sample GUI of this project look like.</p> | |
|  | |
| <p>Rubrics:</p> <ul style="list-style-type: none"> • Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks) • Hard copy report (15 Marks) • Viva and Presentation(10 Marks) • Project Code (10 Marks) • Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder.</u> | |
| <p>Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.</p> | |

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Project No: 20 | Student Details |
| Project Title: Simple math based captcha using python | |
| <p>Project Description:</p> <p>The permission should be granted to move to next page of the application only if user is authenticated based on text captcha.</p> <p>Sample GUI of this project look like.</p> | |

Example using a mathematical CAPTCHA.



Enter Code*:

Submit Form

Rubrics:

- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (15 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit one print out hard copy of report and one CD includes soft copy of report, running project folder.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.