



Pune Vidyarthi Griha's

COLLEGE OF SCIENCE & COMMERCE

(Accredited by NAAC)

(Affiliated to Savitribai Phule Pune University & Approved by Govt. of Maharashtra)

S.No.44, Vidyanagari, Parvati, Pune- 411009

Telephone: (020) 2422 1484, Website: www.pvgetc.ac.in

NAAC - CYCLE 2 - SSR

CRITERION 1

CURRICULAR ASPECTS

1.1

- Curricular Planning & Implementation

1.2

- Academic Flexibility

1.3

- **Curriculum Enrichment**

1.4

- Feedback System



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NAAC - CYCLE 2 - SSR

1.3

Curriculum Enrichment

1.3.1

- Crosscutting Issues

1.3.2

- Project-work / Field-work / Internship Details



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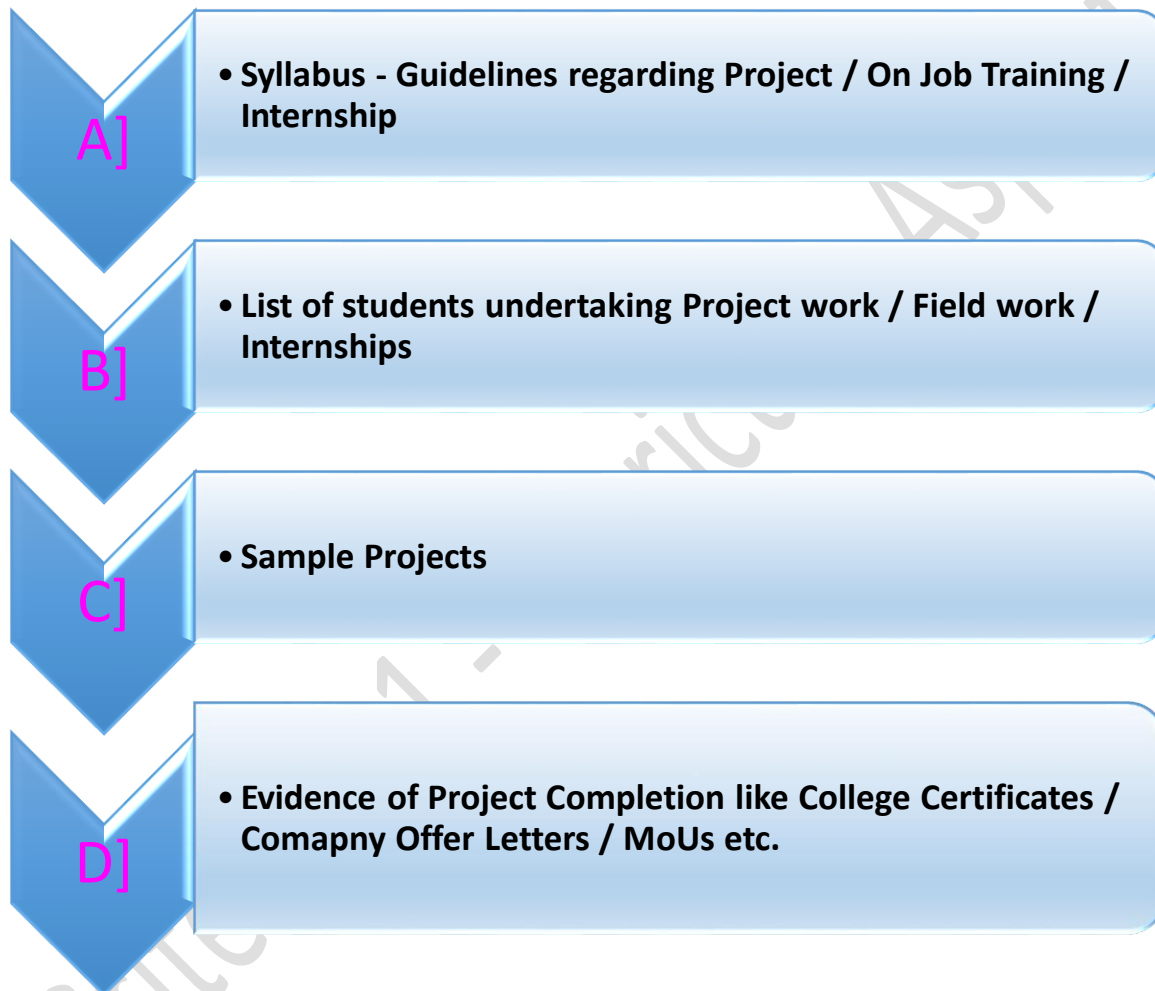
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NAAC - CYCLE 2 - SSR

1.3.2

Percentage of students undertaking Project work / field work/ internships





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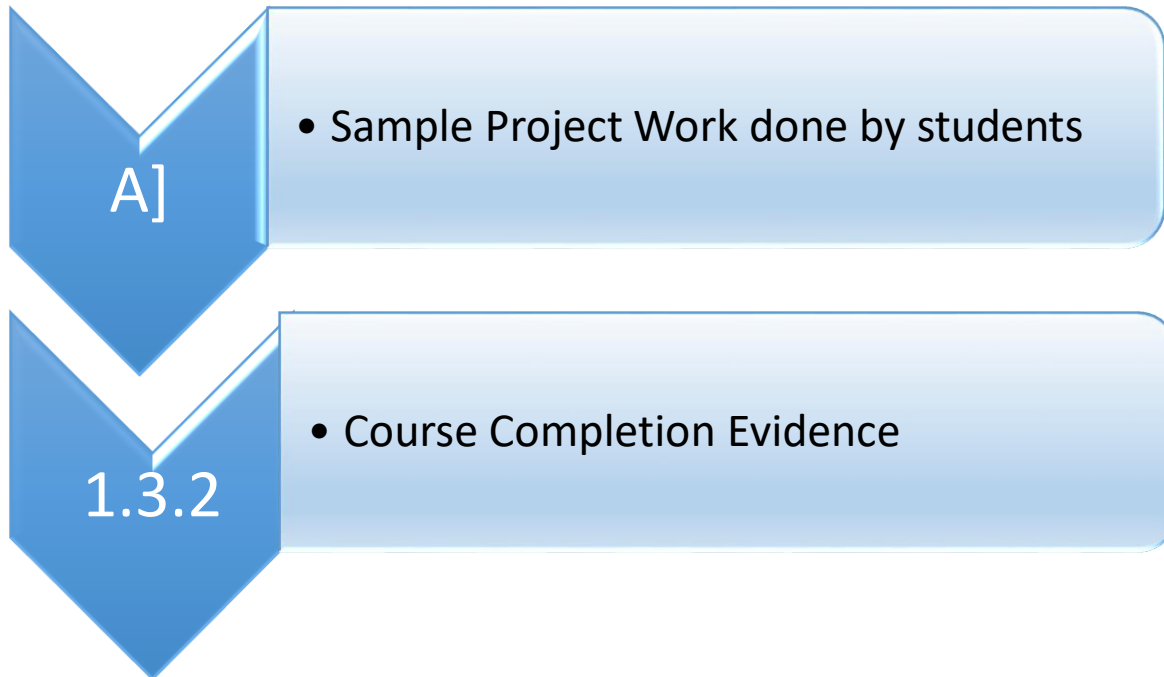
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NAAC - CYCLE 2 - SSR

1.3.2

Percentage of students undertaking Project work / field work/ internships





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NAAC - CYCLE 2 - SSR

B.Sc. (Computer Science)

Project work



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Computer Science

(Faculty of Science & Technology)

S.Y.B.Sc. (Computer Science)

**Choice Based Credit System Syllabus
To be implemented from Academic Year
2020-2021**

S. Y. B. Sc.(Computer Science)**Semester III**
(Total credits=22)

Course type	Paper Code	Paper title	Credits	Evaluation		
				CA	UE	TOTAL
CC-VIII	CS 231	Data Structures and Algorithms – I	2	15	35	50
	CS 232	Software Engineering	2	15	35	50
	CS 233	Practical course on CS 231 and CS 232	2	15	35	50
CC-IX		Mathematics - I	2	15	35	50
		Mathematics - II	2	15	35	50
		Practical course in Mathematics	2	15	35	50
CC-X		Electronics - I	2	15	35	50
		Electronics - II	2	15	35	50
		Practical course in Electronics	2	15	35	50
AECC-I		Environment Science – I	2			
AECC-II		Language Communication – I	2			

Savitribai Phule Pune University S.Y.B.Sc. (Computer Science) Computer Science Paper - III Course Code: CS 233 Title : Practical course on CS 231 (Data Structures and Algorithms I) and CS 232 (Software Engineering)		
Teaching Scheme 4 hrs 20 mins / week Batch Size : 12	No. of Credits 2	Examination Scheme IE : 15 marks UE: 35 marks
<p>Operating Environment: For Data Structures:</p> <ul style="list-style-type: none"> • Operating system: Linux • Editor: Any linux based editor like vi, gedit etc. • Compiler : cc or gcc <p>Lab Book: The lab book is to be used as a hands-on resource, reference and record of assignment submission and completion by the student. The lab book contains the set of assignments which the student must complete as a part of this course.</p> <p>Programming Assignments: Programs should be done individually by the student in their respective login. The codes should be uploaded on either the local server, Moodle, Github or any open source LMS. Print-outs of the programs and output may be taken but not mandatory for assessment.</p> <p>Assessment: Continuous assessment of laboratory work is to be done based on overall performance and lab assignments performance of student. Each lab assignment assessment will be assigned grade/marks based on parameters with appropriate weightage. Suggested parameters for overall assessment as well as each lab assignment assessment include-timely completion, performance, innovation, efficient codes and good programming practices.</p> <ul style="list-style-type: none"> • Internal Evaluation : <ul style="list-style-type: none"> ○ 10 marks will be given based on a mini project of Software Engineering. ○ 5 marks will be allocated for Assignment completion and practical attendance. • University Evaluation : <ul style="list-style-type: none"> ○ The Practical slip will be of 35 Marks which will be based on Data structures. 		
Course Contents:		
<p>Suggested Assignments for Data Structures – I</p> <p>Assignment1: Searching Algorithms Implementation of searching algorithms to search an element using: Linear Search, Sentinel Search, Binary Search (with time complexity)</p> <p>Assignment 2: Sorting Algorithms - I Implementation of sorting algorithms: Bubble Sort, Insertion Sort, Selection Sort</p> <p>Assignment 3: Sorting Algorithms - II Implementation of sorting algorithms: Quick Sort, Merge Sort , Counting Sort</p>		

Assignment 4: Singly Linked List

1. Dynamic implementation of Singly Linked List to perform following operations: Create, Insert, Delete, Display, Search, Reverse
2. Create a list in the sorted order.

Assignment 5: Doubly Linked List

1. Dynamic implementation of Doubly circular Linked List to perform following operations: Create, Insert, Delete, Display, Search

Assignment 6: Linked List Applications

1. Merge two sorted lists.
Addition of two polynomials in a single variable.

Assignment 7: Stack

1. Static and Dynamic implementation of Stack to perform following operations: Init, Push, Pop, Peek, Isempty, Isfull

Assignment 8: Applications of Stack

1. Implementation of an algorithm that reverses string of characters using stack and checks whether a string is a palindrome.
2. Infix to Postfix conversion.
3. Evaluation of postfix expression.

Assignment 9: Linear Queue

1. Static and Dynamic implementation of linear Queue to perform following operations: Init, enqueue, dequeue Peek, IsEmpty, IsFull.

Assignment 10: Circular and Priority Queue

1. Implementation of circular queue
2. Implementation of priority queue

Suggested Assignments for Software Engineering mini Project**3**

1. Prepare detailed statement of problem for the selected mini project
2. Identify suitable process model for the same.
3. Develop Software Requirement Specification for the project.
4. Identify scenarios and develop UML Use case
5. Other artifacts: Class Diagram, activity diagram, sequence diagram, component diagram and any other diagrams as applicable to the project.

Sample project titles: (These are just samples, students are suggested to take up different case studies)

1. Online mobile recharge system
2. Credit calculation system
3. Image sharing and editing system
4. Internal examination system
5. e-learning management system

P.V.G's COLLEGE OF SCIENCE AND COMMERCE PUNE

CLASS: S.Y.Bsc

ACADEMIC YEAR: 2023-24

SUBJECT: Software Engineering (Mini Project)

SEM : III

GUIDE NAME : JYOTI PATIL

SR.NO	STUDENT NAME	PROJECT TOPIC	SIGN
1	Komal. C Bhorde	Stock exchange mana-	Bhorde
2	Gayatri. S. Badodkar	gement System	G.S.B
3	Siddhi. S. Tangam	AI Shopping System	S.Tangam
4	Tanuja. S. Khade		Khade
5	Sakshi. S. Dhotre	College placement System	
6	Rutuja. A. Tadhu	Smart parking System	
7	Arjun H. Vatturkar	online movie ticket	
8	Tejas Sawant	booking	
9	Riya. M. Shinde	Healthare Appointment	Riya
10	Kaushik. K. Shirure	transportation management	Shirure
11	Apurva. R. Pawar	E commerce product manag-	
12	Sakshi T. Pawar	college placement Sys-	
12		tem Using python	
13	RUTUJA DATTATRAY PANCHAL	INSURANCE POLICY MANAGEMENT SYSTEM.	Rutuja
14	Diksha Kumbhar	music streaming app	Diksha
15	Bhavana Vharkat	Online food delievery	Bhavana
16	Dehmuibh Atharva	Expense Tracker	Ambest
17	Yash Patil	online shopping management sys.	Yash
18	Om Ghodekar		Om
19	Rudresh Honrao	online education app	Rudresh
20	Vinayak Ghule		Vinayak
21	Aditya Sawant	Transportation Management	Aditya
	Abhilasha Mahto	pharma supply chain	Abhilasha
	vishwaja pungare	System Using smart C	Vishwaja
22	Siddhi S. Mandekar	contracts	Siddhi
23	Sree. M. Kondhalkar	to Laundry management system	Sree
24	Prava Bangale	IRCTC management	Prava
25	Pushkar Joshi		Pushkar

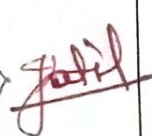
26	Vishwadeepti . A. Chavan	Cricket Team Management System	Neha
27	Sneha S Anande	Railway system management	Sneha
28	Nilaja A Anawalikar	Railway system management	Nilaja
29.	Mrunal. V. Chaudhari	fingerprint voting system	Ayachewari
30.	Supriya. H. Kolage		Supriya
31.	Arshata Bansod		Arshata
32.	Noorjahan Shaikh	} library management system	Noorjahan
33	Mansi Tiwar		Mansi
34	Sanika Thopate	} Management of Blood Bank	Sanika
35	Sneha Sakpal		Sneha
36	Harshada Telwade	} E commerce platform	Harshada
37	Dhanush suvarna		Dhanush
38.	Pratikcho Gadekar	} Bus Management	Pratikcho
39.	Namrata. Gaikwad		Namrata
40	Vaishnavi Mate	online matrimonial system	Vaishnavi
41	AKandha Khose	Banking management system	AKandha
42.	Suraj Nanaware	} Real Estate using Data Mining	Suraj
43.	Aakash Pise		Aakash
44.	Vivek Bhise	} Car pooling Management	Vivek
45	OMKAR GAIKWAD		Omkar
46	Tanmay Nalawade	} school admission process management	Tanmay
47.	siddesh yempuse		Siddesh
48.	Pranali Patil	} Hospital management System	Pranali
49.	Nayan Phalke		Nayan
50	Soham. P. lule	} Milk Supply management	Soham
51	Omkar. Khopde		Omkar
52.	snehal dewale	} NGO management System	Snehal
53.	deven kulkarri.		Deven
54.	omkar nimbalkar	} online book store software management	omkar
55.	Loukik Langhi		L.D.L
56.	Soham Ket	Basic E-commerce website	Soham
57.	Sudiksha Dhavade	} Gym Management System	Sudiksha
58	Aditya Ughade.		Aditya
59	Aditya Vijgaonkar	} store Management System	Aditya
60	Arnav Nalawade		Arnav
61	Swarada Deo	Air line - ticket booking Management	Swarada

62	swopri Agarkar	}	Bussiness management system	Swopri
63	Harsh zambre			Harsh
64	Atharva Karpe	}	Manual System for finding Missing Person	Atharva
65	Shreyas Walambe			Shreyas
66	Ganesh Nagilak	}	Ride sharing	Ganesh
67	Abhinav Nair			Abhinav
68	Tanisha K. Pardeshi	}	Couriers Management System	Tanisha
69	Shreya Chavan			Shreya
70	Aditya Shinde	}	Timetable Manager	Aditya
71	Ashutosh Vibhute			Ashutosh
72	Shravan Nalawade	}	Online bookstore Hospital Management	Shravan
73	Vishal Yede			Vishal
74	Nikhil G. Deo	}	Fingerprint Based ATM machine	Nikhil
75	Dhruv M. Deshpande			Dhruv
76	Sakshi V. Nikam	}	ATM Management System	Sakshi
77	Riya P. Sonawane			Riya
78	Mugdha S. Dhiwar	}	Education Management	Mugdha
79	Kajal Kadam			Kajal
80	Ishita K. Dudhal	}	Health prediction system & online consultation project	Ishita
81	Rachana Badhe			Rachana
82	Nandini Jagtap	}	online bookstore management system.	Nandini
83	Pragati Shinde			Pragati
84	Rutuja Bhadige	}	online Hospital Management System.	Rutuja
85	Rutvik Veer			Rutvik
86	Tagade Soham	}	Automated Student Admission System	Tagade
87	Khanekar Devdas			Khanekar
88	Sourav Kadam	}	money management Software System	Sourav
89	Sameer Dhebe			Sameer
90	Amir Pansare	}	Fitness App with workout and diet	Amir
91	Pranav Shinde			Pranav
92	Tejas Jorande	}	Airport Network flight scheduler	Tejas
93	Aditya Bhoj			Aditya
94	Brushti Vinayak Deshmukh	}	Bus fare management Vehicle Tracking System using driver mobile GPS tracking	Brushti
95	Pratik Surve			Pratik
96	Atharva Gavhane	}	Ambulance booking system	Atharva
97	Janhavi Joshi			Janhavi
98	vidhi Mane			Mane


99	Shlok Yadav	} Green screen background remover system	Sadav
100	Harshvardhan D. Sahani		Shahani
101	Neel M. Paigude	} Gym management system	uj
102	Sahil S. Kawade		
103	Karan Kadam	} Airline reservation System	Kadam
104	Lokesh Jeena		Lokesh J.
105	Neha Kapale	} Work breakdown structure	NK
106	Shravani Dayal		Shravani
107	Jigal Shelar	} software risk identification and risk prevention.	Shelar
108	Pratim S.		Jagan
109	Pratik Kanade	} Chatgpt	Pravade
110	Abhijit pangul		Abhijit
111	Prathmesh Ingole	} Electronic voting Machine (EVM Machine)	Prathmesh
112	Harshad Bungale		Harshad
113	Adhruv Kule		Adh
114	Shravani Holkar	Car Pooling Management Sys.	Shravani
115	SARTNAK. PAIGUDE	NDA course registration system	Sartnak
116	Mihir Rajguru	} Online blood bank management system	Mihir
117	Sahil Sawant		Sahil
118	Pranav Pisal	} Biometric face recognition system	P. M. Pisal
119	Adesh Pawar		Pawar
120	nitish yadav	} Ecommerce platform	nitish
121	Sauka Jagtap		Sauka
122	Sanskriti Veyhware	} Traffic signal Management.	Sanskriti
123	Dhonde Narayan Rajabhai		Narayan
124	Sarthak Shivaji Shete	} youtube Giveaway Manager App.	Shete
125	Harshikesh Vijay Zungare		Zungare
126	Shraddha C. Mangare	} Hotel Management System	Shraddha
127	Nikita P. Bhargude		Nikita
128	Prathamesh S. Khedekar	} Online shopping management	Prathamesh
129	Subodh S. Chavan		Subodh
130	Aniket S. Khopade	} Spitting detection	Aniket
42	Devang Dedar		Devang
	Sahil Kawade.	} fingerprint based transaction system	Sahil

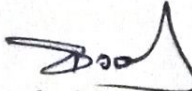
Section II

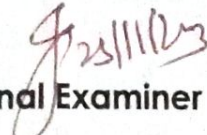
**Software Engineering
Mini Project**

MiniProjectusingSoftware EngineeringTechniques			
Sr. No	Assignment Name	Marks (out of 5 for each diagram)	Signature
1.	Structural Model : <ul style="list-style-type: none"> ➤ Problem definition, scope of proposed system ➤ Requirement Specification ➤ ER Diagram ➤ Use Case Diagram ➤ Class Diagrams 	15	 23/10/23
2.	Behavioral Model : <ul style="list-style-type: none"> ➤ Sequence Diagram ➤ Collaboration Diagram ➤ Activity Diagram ➤ State Chart Diagram 	15	
3.	Architectural Model : <ul style="list-style-type: none"> ➤ Component Diagram ➤ Deployment Diagram ➤ Package Diagram 	15	
Total (out of 60)		45	
Total Converted to 10		9	

This is to certify that Mr/Ms Vidhi Mane has successfully completed the course work Mini Project and has scored ___ Marks out of 10.


Instructor


Head, Dept. Of Comp. Sc.


Internal Examiner


External Examiner

Assignment 1.1 : Problem Definition & Scope

1) Problem Definition: Ambulance booking system

In today's traffic world, ambulance plays a major role when an accident occurs on the road network and the need arises to save valuable human life. Transportation of a patient to an emergency hospital seems quite simple but in actuality, it is quite difficult and gets more difficult during peak hours.

In our Booking system, people can easily book an ambulance. There are the three major modules namely user, Ambulance and Hospital. Users can edit their profile and change their password in an emergency. Any upcoming Ambulance Booking Details if anyone want to Book an Ambulance or if there is an Emergency.

For booking an ambulance users have to select ambulance size, pick-up point & hospital, and date & time. In an emergency will automatically book the nearest ambulance & hospital. Users will automatically book the nearest ambulance & hospital. Users will get a list of All the bookings of ambulance. The front end involves HTML, CSS and JavaScript and the back-end involves Python. The framework used is Django and the database is MySQL.

2) Scope of the proposed system:

This module helps to manage the ambulance services provided by the healthcare organization. This module keeps track of the ambulance available for services & also manages ambulance services ordered from external vendors.

- This is a user-friendly application.
- It is easy to maintain.
- It will help to book an ambulance easily.
- It is useful.

Assignment Evaluation

0: Not Done		1: Incomplete		2: Late Complete	
3: Needs Improvement		4: Complete	✓	5: Well Done	


Practical In-charge

Assignment 1.2: Requirement Specification:

Purpose of the System: Intended use of the system :

allows users to book an ambulance in advance considering the size of the ambulance and the hospital they want to go to, they can reserve the ambulance.

Users: Those who will primarily benefit from the new system and those who will be affected by the new system

People with lower health literacy, can be primarily benefited by this new system.

Functional Requirements

- Describe what the system actually does
- Describes intended interactions between users and the system, independent of implementation
- It virtuals extension of the health system.
- The user simply specify the pick-up location and destination, and the system will book the closest ambulance and hospitals on their behalf.

Assumptions

List any assumptions that affect the requirements, for example, equipment availability, user expertise, etc. For example, a specific operating system is assumed to be available; if the operating system is not available, the Requirements Specification would then have to change accordingly.

In case of emergency, if there is an error in online booking system we have an alternate option of phone calling and user available in case of it.

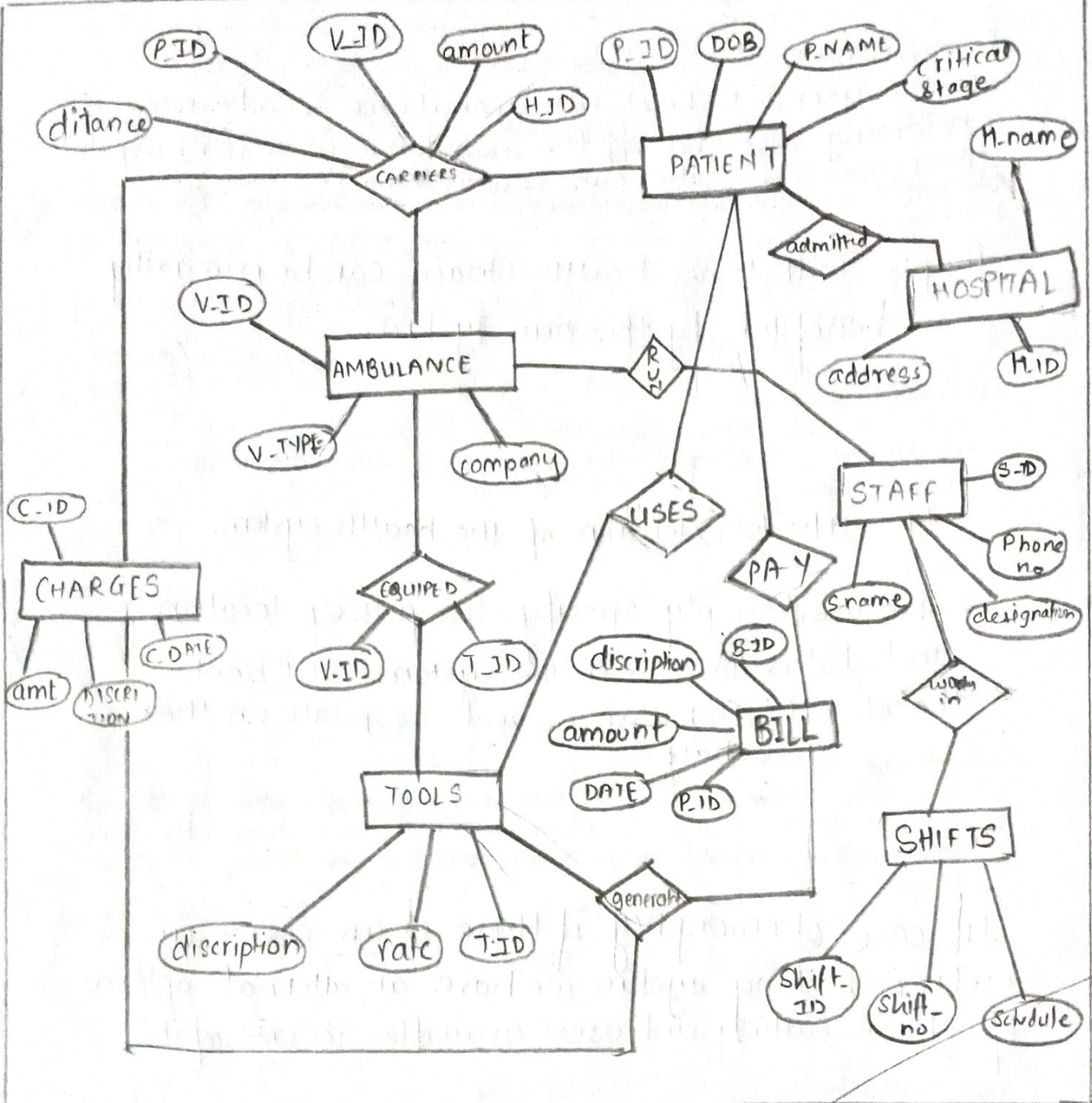
Constraints (if any)

Assignment Evaluation

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3: Needs Improvement		4: Complete	✓	5: Well Done	

Jatil
Practical In-charge

Assignment 1.3: ER Diagram



Assignment Evaluation

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3: Needs Improvement		4: Complete		5: Well Done	

Jafar
Practical In-charge

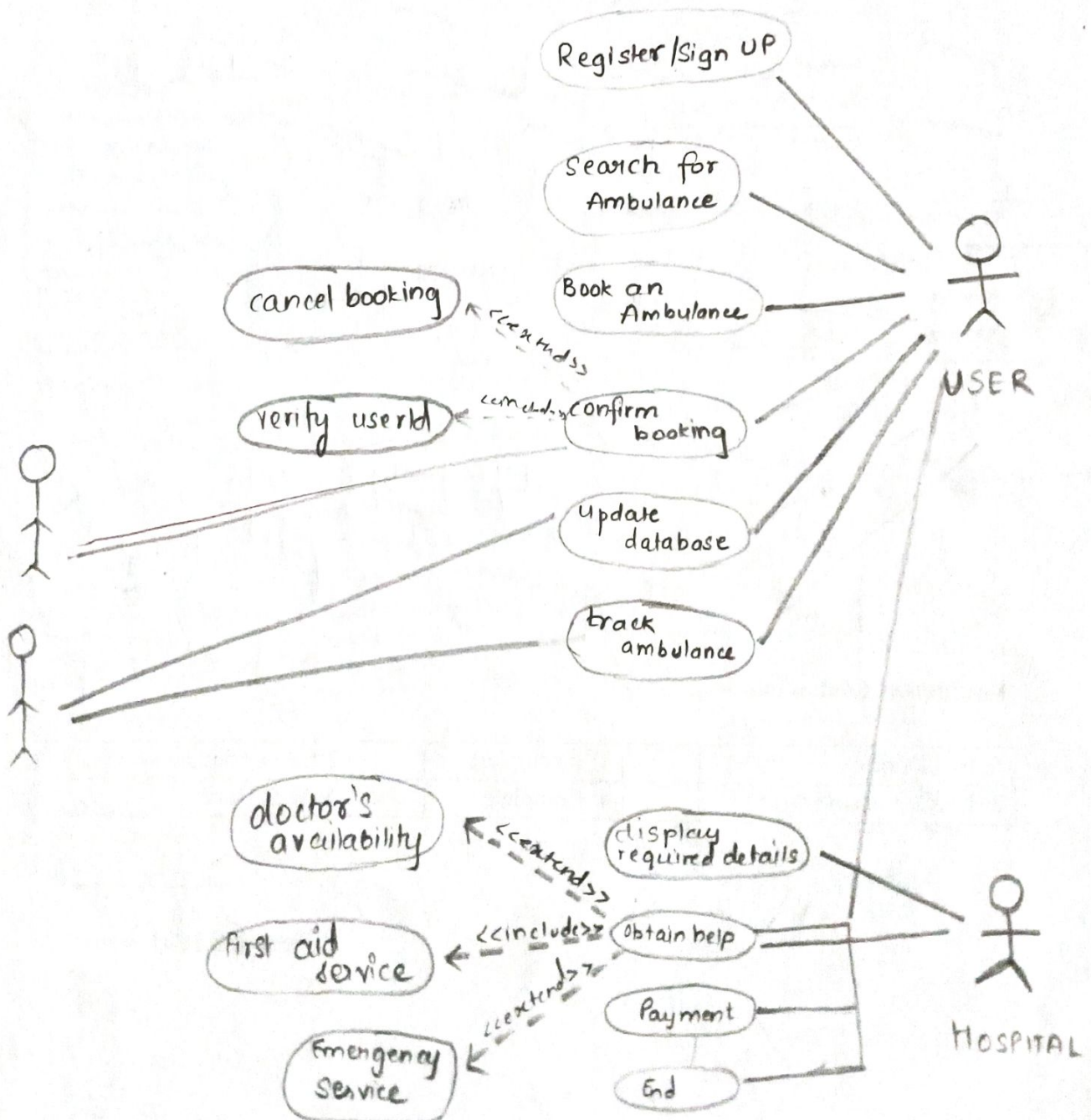
Assignment 1.4: Use case Diagram

Identifying the Actors of the system:

We have: User → Admin → Driver → Hospital

The person/customer who is doing the process of online booking works as a user and the admin provides details based on it. After the process we have driver doing the further process upto hospital.

Use Cases:

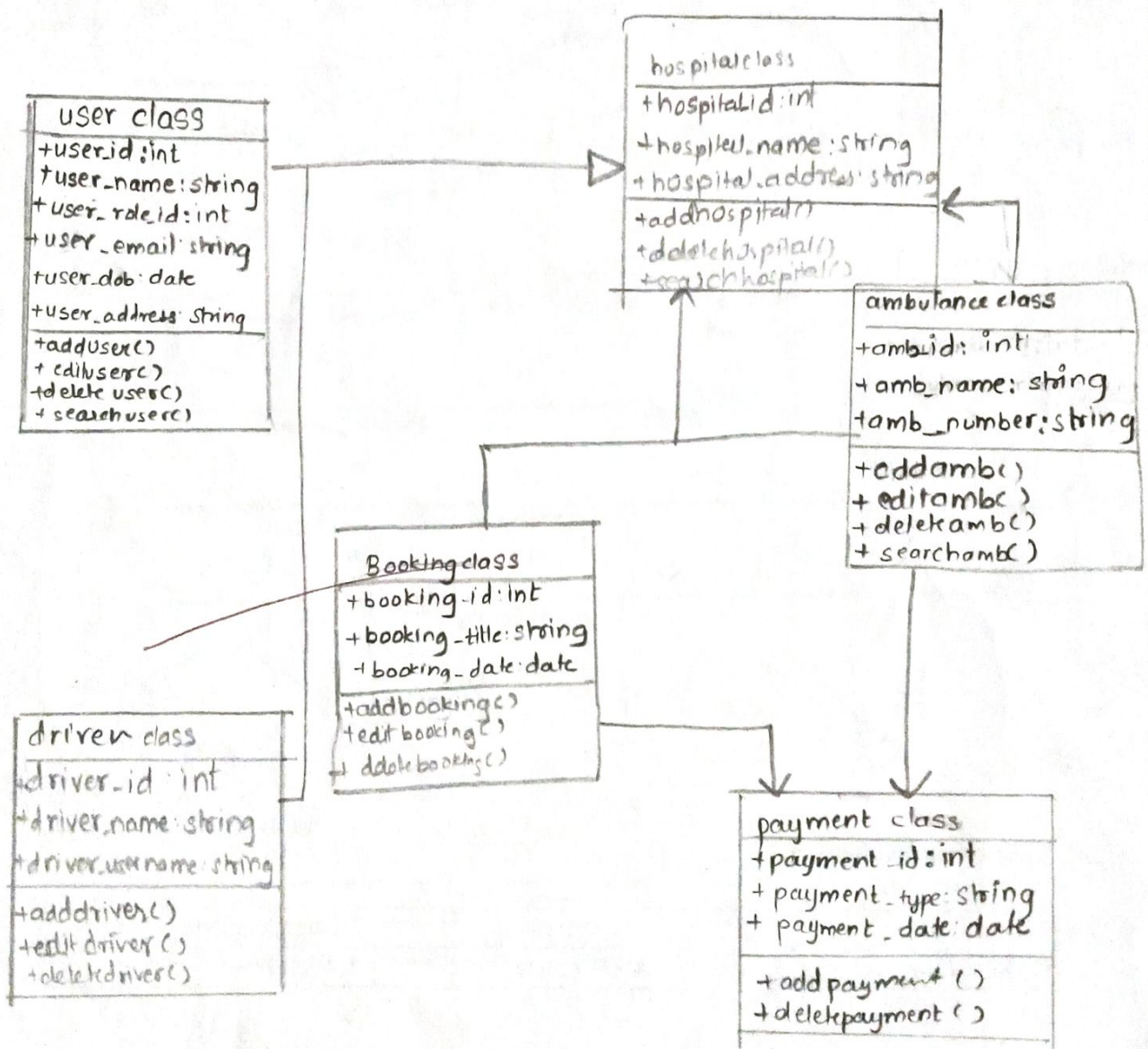


Assignment 1.5: Class Diagram

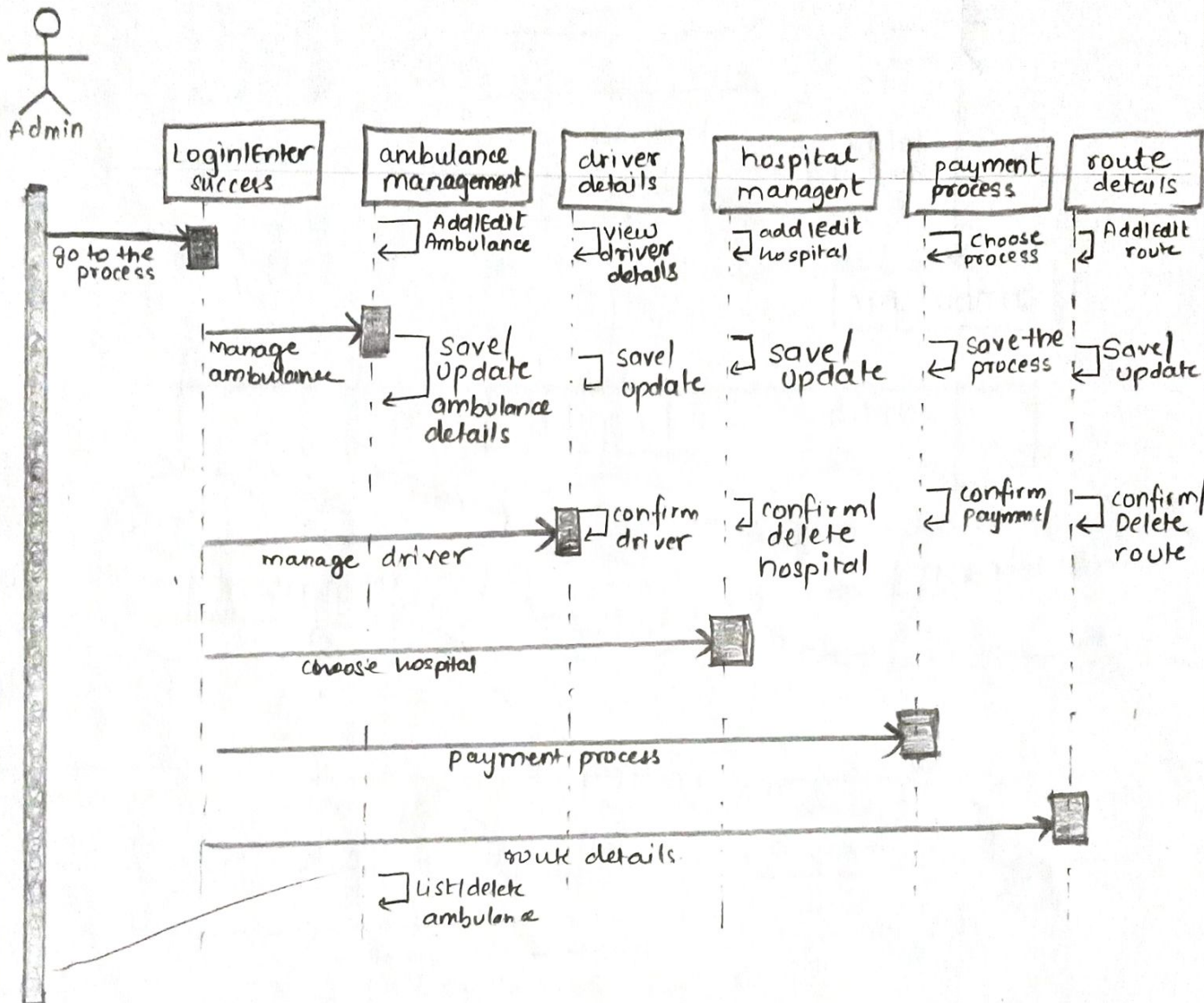
Classes Identified:

- user class - all basic information of the user.
- hospital class - choose the hospital to go.
- ambulance class -
- driver class - according to their requirements
- booking - as user details.

Class Diagram:



Assignment 2.1: Sequence Diagram

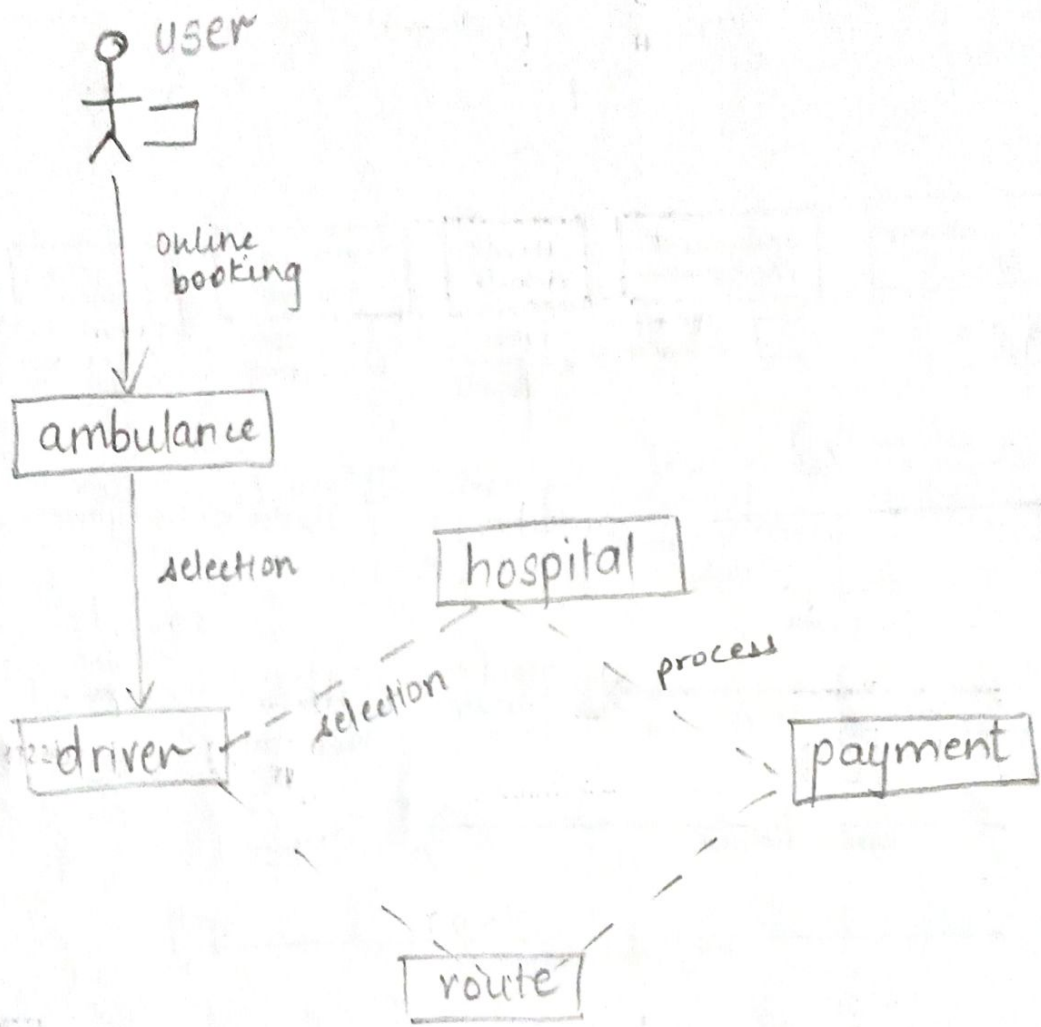


Assignment Evaluation

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3: Needs Improvement		4: Complete		5: Well Done	

[Signature]
Practical In-charge

Assignment 2.2: Collaboration Diagram

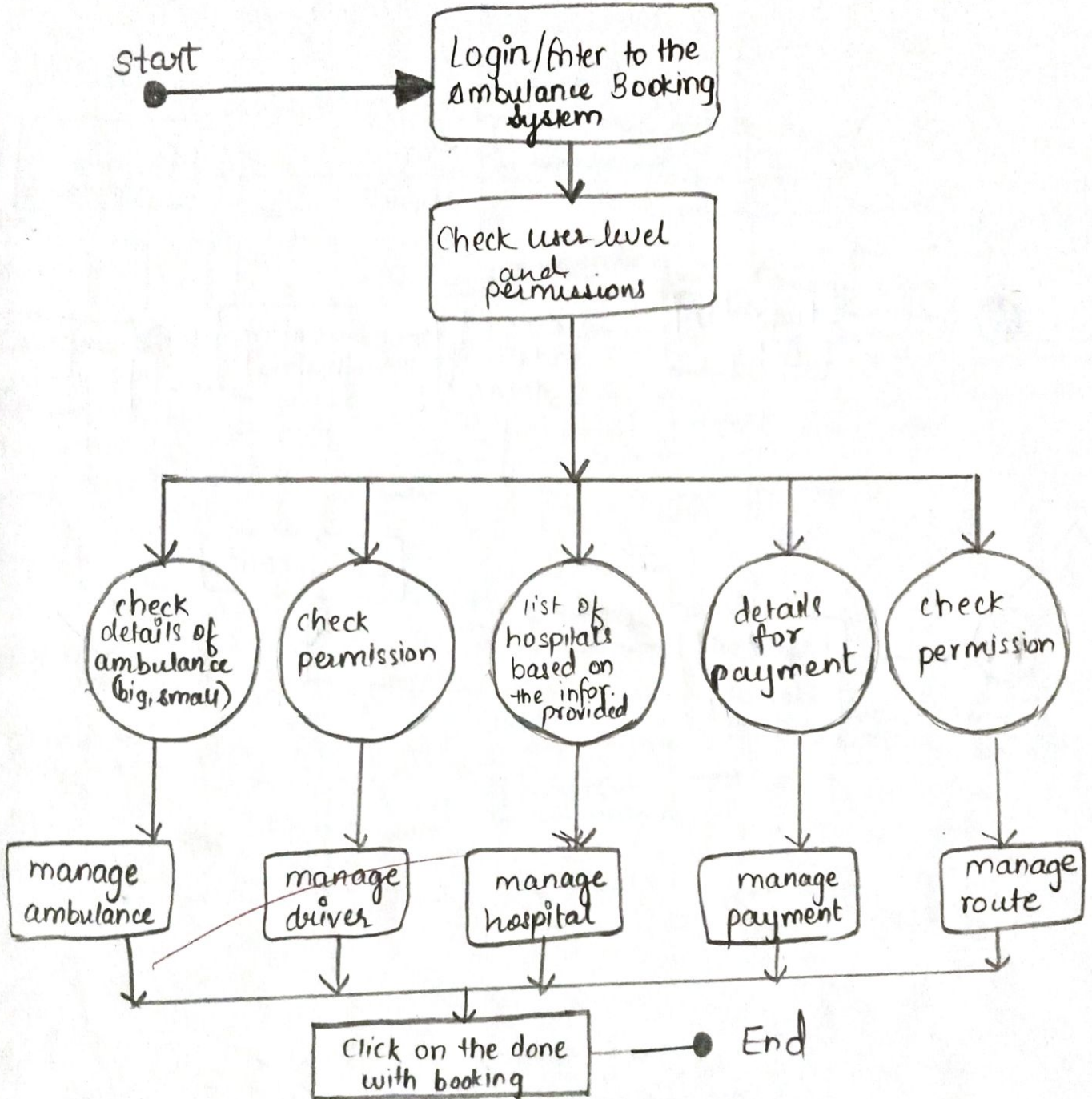


Assignment Evaluation

0: Not Done		1: Incomplete		2: Late Complete	
3: Needs Improvement		4: Complete	/	5: Well Done	

Jalil
 Practical In-charge

Assignment 2.3: Activity Diagram

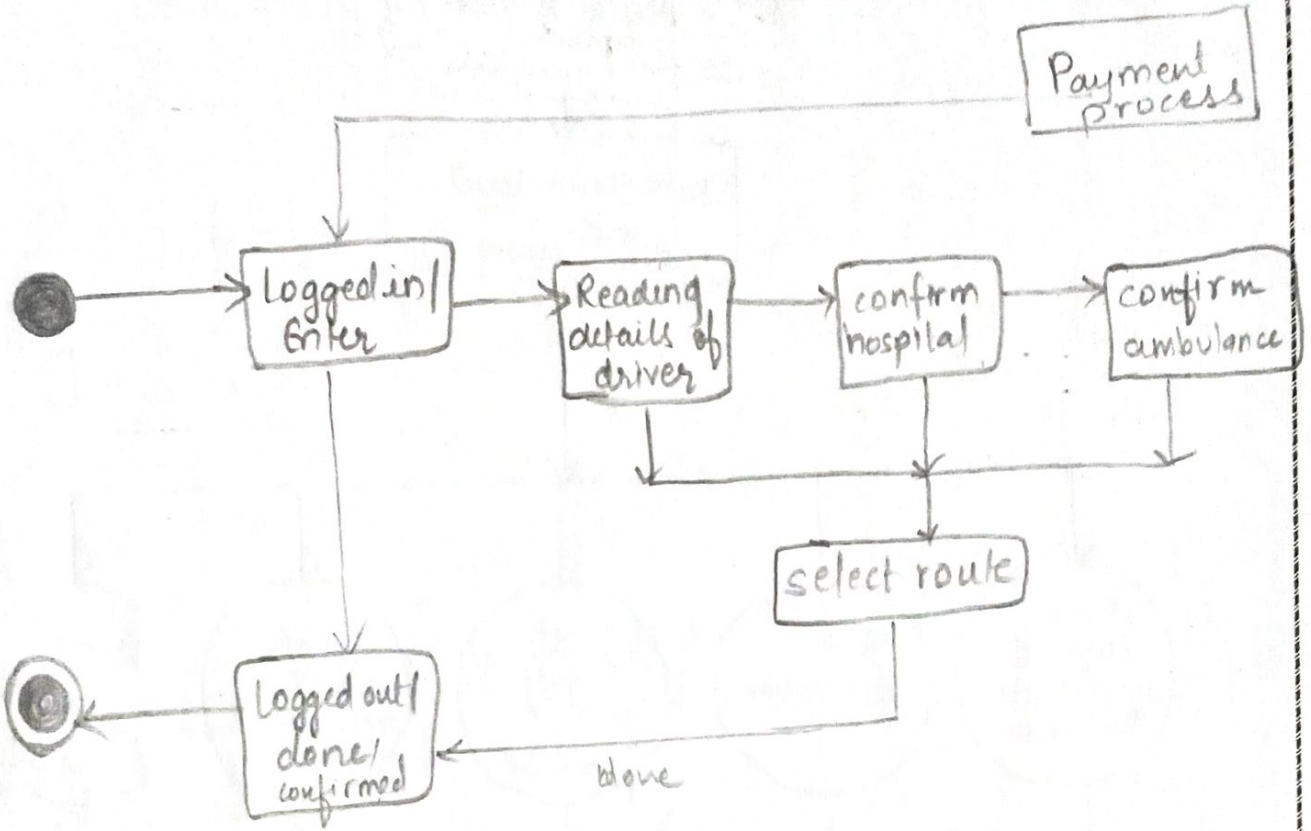


Assignment Evaluation

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3: Needs Improvement	4: Complete	5: Well Done	✓

Jalil
 Practical In-charge

Assignment 2.4: State Chart Diagram

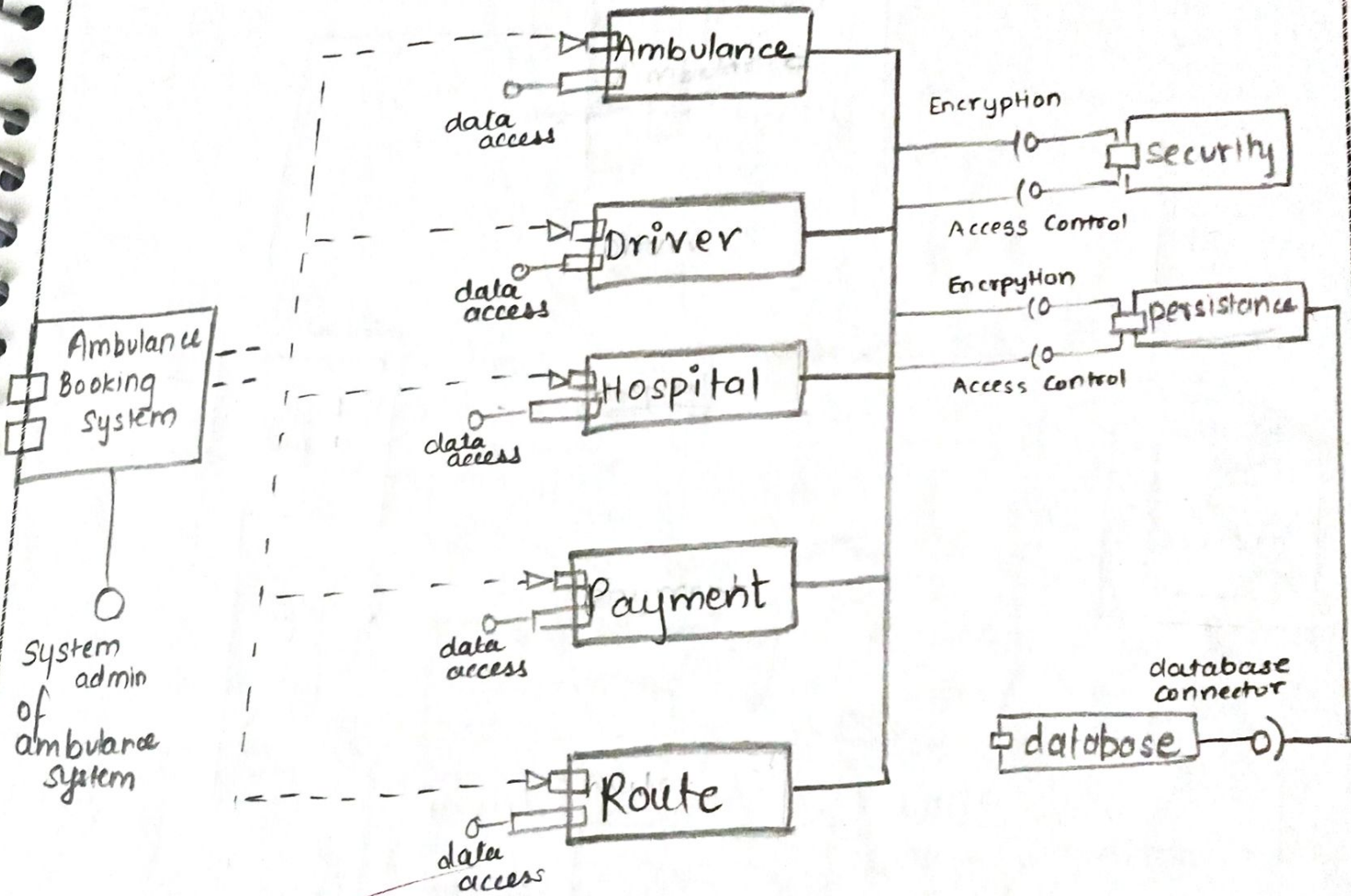


Assignment Evaluation

0: Not Done		1: Incomplete		2: Late Complete	
3: Needs Improvement		4: Complete	✓	5: Well Done	

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 Practical In-charge

Assignment 3.1: Component Diagram

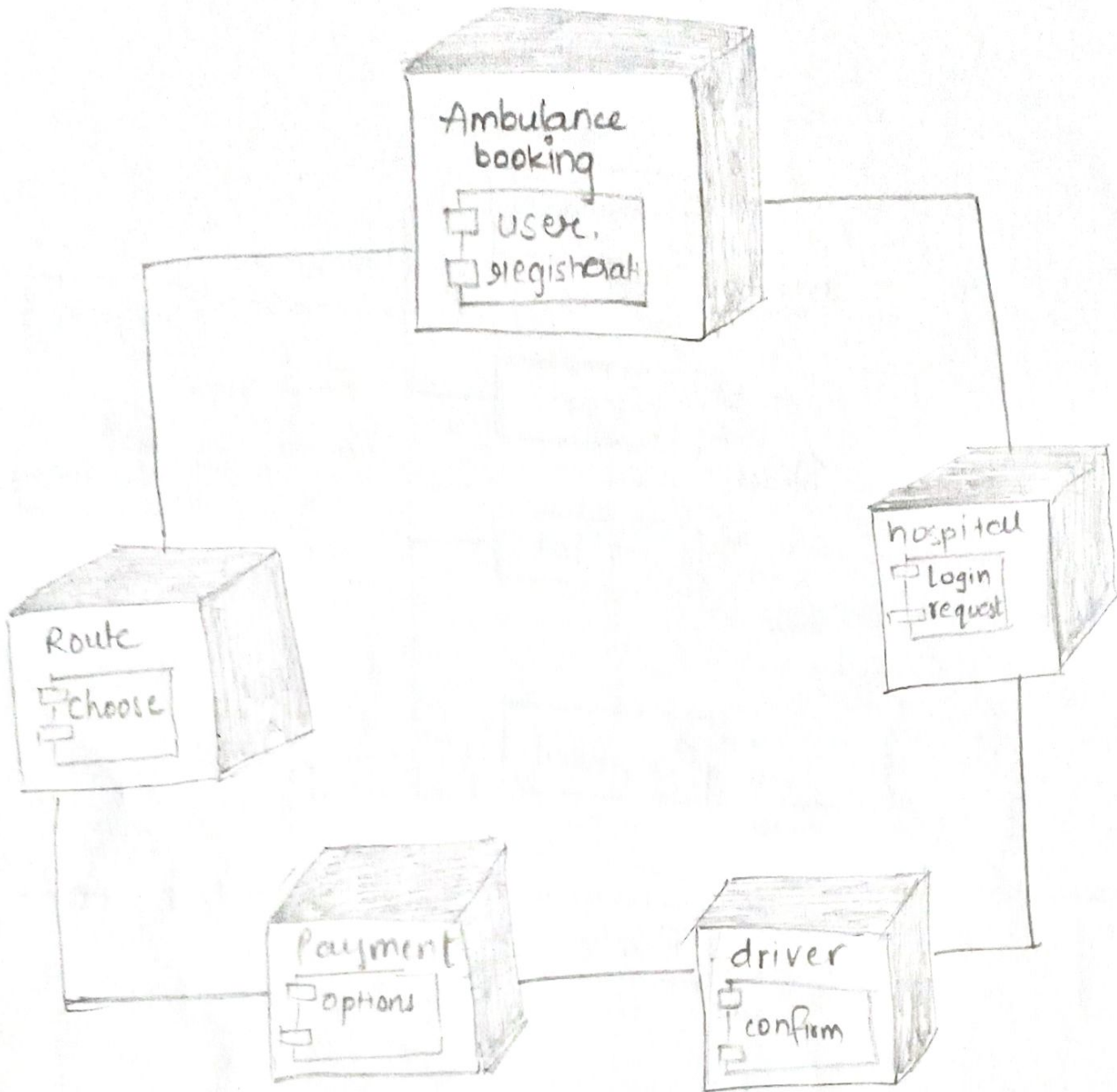


Assignment Evaluation

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3: Needs Improvement	4: Complete	5: Well Done	

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Practical In-charge

Assignment 3.2: Deployment Diagram

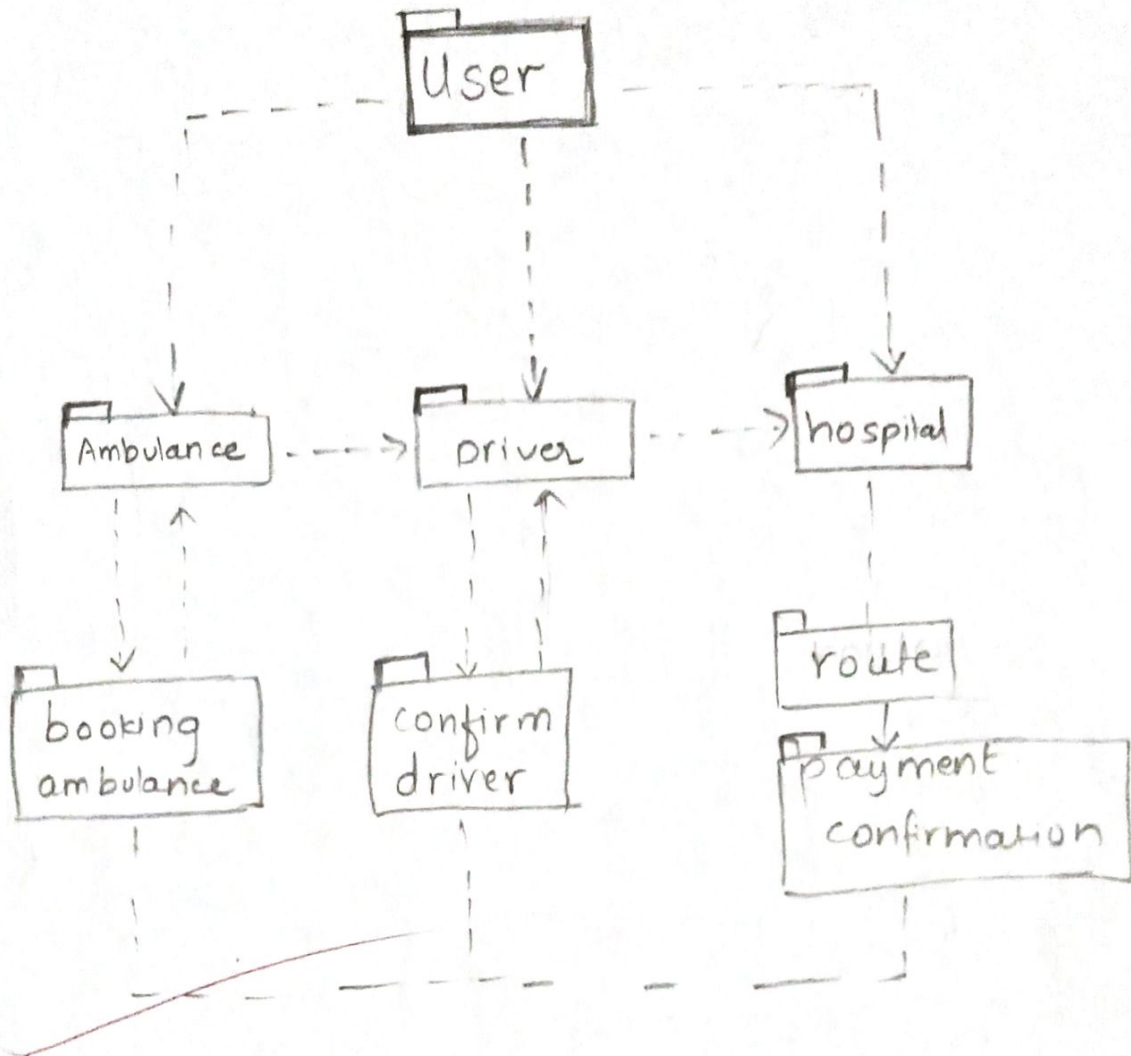


Assignment Evaluation

0: Not Done	1: Incomplete	2: Late Complete	
3: Needs Improvement	4: Complete	5: Well Done	

[Signature]
 Practical In-charge

Assignment 3.3: Package Diagram



Assignment Evaluation

0: Not Done	1: Incomplete	2: Late Complete	
3: Needs Improvement	4: Complete	5: Well Done	

[Signature]
 Practical In-charge



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Computer Science

(Faculty of Science & Technology)

T.Y.B.Sc. (Computer Science)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2021 – 2022

Course Structure T.Y.B.Sc. (Computer Science)

Semester V (Total credits=22)

Course type	Paper Code	Paper title	Credits		Evaluation		
			T	P	CA	UA	TOTAL
DSEC - I	CS-351	Operating Systems – I	2		15	35	50
	CS-352	Computer Networks – II	2		15	35	50
	CS-357	Practical course based on CS 351		2	15	35	50
DSEC - II	CS-353	Web Technologies – I	2		15	35	50
	CS-354	Foundations of Data Science	2		15	35	50
	CS-358	Practical course based on CS 353 and CS 354		2	15	35	50
DSEC - III	CS-355	Object Oriented Programming using Java - I	2		15	35	50
	CS-356	Theoretical Computer Science	2		15	35	50
	CS-359	Practical Course based on CS 355		2	15	35	50
SECC - I	CS-3510	Python Programming	2	0	15	35	50
SECC - II	CS-3511	Blockchain Technology	2	0	15	35	50

Semester VI (Total credits=22)

Course type	Paper Code	Paper title	Credits		Evaluation		
			T	P	CA	UA	TOTAL
DSEC - I	CS-361	Operating Systems – II	2		15	35	50
	CS-362	Software Testing	2		15	35	50
	CS-367	Practical course based on CS 361		2	15	35	50
DSEC - II	CS-363	Web Technologies – II	2		15	35	50
	CS-364	Data Analytics	2		15	35	50
	CS-368	Practical course based on CS 363 and CS 364		2	15	35	50
DSEC - III	CS-365	Object Oriented Programming using Java - II	2		15	35	50
	CS-366	Compiler Construction	2		15	35	50
	CS-369	Practical Course based on CS 365		2	15	35	50
SECC - III	CS-3610	Software Testing Tools	2	0	15	35	50
SECC - IV	CS-3611	Project	2	0	15	35	50

Savitribai Phule Pune University
T.Y.B.Sc. (Computer Science) - Sem - VI
Course Type: SECC - IV Course Code: CS - 3611
Course Title : Project

Teaching Scheme 03 Lect/ week/Batch Batch Size : 20	No. of Credits 2	Examination Scheme IE : 15 marks UE: 35 marks
---	---------------------	---

Project Guidelines:

- Students should work in a team of minimum 3 and maximum 4 students.
- Students can choose a project topic and implement the same using any language/technology covered in the curriculum so far. The operating environment must be linux.
- The student group will work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, implementation, testing, and the final reporting.
- Project guide must conduct project presentations (minimum 2) to monitor the progress of the project groups.
- At the end of the project, the group should prepare a report which should conform to international academic standards. The report should follow the style in academic journals and books, with clear elements such as: abstract, background, aim, design and implementation, testing, conclusion and full references, Tables and figures should be numbered and referenced to in the report.
- The final project presentation with demonstration (UE) will be evaluated by the project guide (appointed by the college) and one external examiner (appointed by the University).

Recommended Documentation contents:

Abstract

Introduction

- motivation
- problem statement
- purpose/objective and goals
- literature survey
- project scope and limitations

System analysis

- Existing systems
- scope and limitations of existing systems
- project perspective, features
- stakeholders
- Requirement analysis - Functional requirements, performance requirements, security requirements etc.

System Design

- Design constraints
- System Model: Using OOSE
- Data Model
- User interfaces

Implementation details

- Software/hardware specifications

Outputs and Reports Testing

- Test Plan, Black Box Testing or Data Validation Test Cases, White Box Testing or Functional Validation Test cases and results

Conclusion and Recommendations

Future Scope

Bibliography and References

Project Related Assignments

Guidelines:

- The project assignments are a compulsory part of the project course and should be carried out by each project group.
- Project assignments are to be given by the guide for continuous internal evaluation.
- The project assignments are to be allotted to each group separately by the project guide on the basis of the implementation technology. A suggested list of assignments is given below.
 1. Project Time management: plan (schedule table), Gantt chart, Roles and responsibilities, data collection, Implementation
 2. Simple assignments to evaluate choice of technology
 3. Assignments on UI elements in chosen technology
 4. Assignments on User interfaces in the project
 5. Assignments on event handling in chosen technology
 6. Assignments on Data handling in chosen technology
 7. Online and offline connectivity
 8. Report generation
 9. Deployment considerations
 10. Test cases
- Each student within the group must work actively and contribute to the assignments, project work and report writing.

Evaluation guidelines:

IA (15 marks)			UE (35 marks)		
First presentation	Second presentation	Assignments	Project Logic/ Presentation	Assignments and Project Documentation	Viva
05	05	05	20	10	05

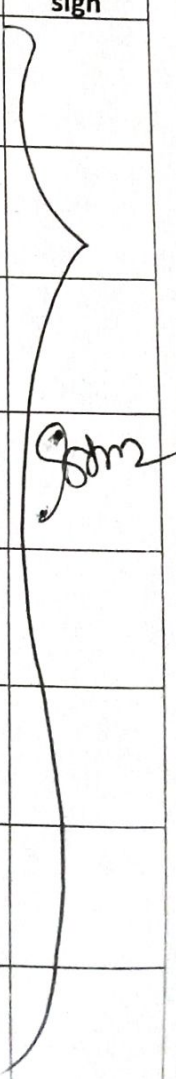
Sapana murmure

Roll No.	Student Name/Date	15/11	22/11	29/11	6/12/24	12/3/24													
TBCS001	ABDULRAUF PEERJADE M	Scad	Scad	Scad															
TBCS002	ADAGALE SWAPNIL RAVINDRA	Swapnil	Swapnil	Swapnil	Swapnil														
TBCS003	ADMANE GAYATRI YASHODHAN	Gayatri	Gayatri	Gayatri	Gayatri														
TBCS004	AINAPURE ARYA HEMANT	AHA	AHA	AHA	AHA	A-HA													
TBCS005	ANDE RUCHITA AVINASH	Ruchita	Ruchita	Ruchita															
TBCS006	BARVE PRACHI ANAND																		
TBCS007	BADADE NEHA SUNIL	Badad	Badad	Badad	Badad														
TBCS008	BANDAL SIDDHESH SANTOSH																		
TBCS009	BANSOD ADITI BHARAT	Aditi	Aditi	Aditi															
TBCS010	BARGIR ATHARV SUNIL	ASBargir	ASBargir	ASBargir	ASBargir	ASBargir													
TBCS011	BATHE ATHARVA RAVINDRA	Atharva	Atharva	Atharva	Atharva														
TBCS012	BEKE MANAS DHANANJAY	M-R	M-R	M-R	M-R	M-R													
TBCS013	BHAGAT SWARAJ SACHIN	Swagat	Swagat	Swagat	Swagat	Swagat													
TBCS014	BHAGWAT RUTUJA RAMKISAN																		
TBCS015	BHIVARE MOHIT HANUMANT																		
TBCS016	BHORADE VAISHNAVI VITTHAL	Horade	Horade	Horade	Horade														
TBCS017	BHOSALE ATHARVA BHARAT																		
TBCS018	BODHANI SOHAM RAHUL	S-R	S-R	S-R	S-R														
TBCS019	BORADE YASH NILESH	Yash	Yash	Yash	Yash	Yash													
145	Kaustubh Vispute	Kes	Kes	Kes	Kes	Kes													

Batch change

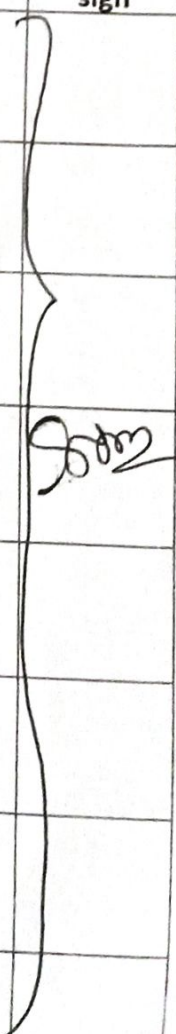
Project Progress Report

Roll No & Name of the student	093 Shweta Gopal Nigade
Title of the Project	online Banquet Booking System.
Project Guide Name	Ajita Bokil

Sr. No.	From Date	To Date	Details of Project work	Remark	Project Guide sign
1	30-01-24	05-02-24	E-R diagrams		
2	05-02-24	12-02-24	Frontend, [User login, Admin login]		
3	12-02-24	19-02-24	Frontend, [Services]		
4	19-02-24	26-02-24	Database	good	
5	26-02-24	04-03-24	Database Connectivity		
6	4-03-24	11-03-24	Backend		
7	11-03-24	18-03-24	Backend		
8	18-03-24	25-03-24	Final Representation		

Project Progress Report

Roll No & Name of the student	119 Siddhi Santosh Sarpale
Title of the Project	Online Banquet Booking System
Project Guide Name	Ajita Bokil

Sr. No.	From Date	To Date	Details of Project work	Remark	Project Guide sign
1	30-01-24	05-02-24	ER-diagrams		
2	05-02-24	12-02-24	Frontend, [User login, Admin login]		
3	12-02-24	19-02-24	Frontend, [Services]		
4	19-02-24	26-02-24	Database	V. good.	
5	26-02-24	04-03-24	Database Connectivity		
6	4-03-24	11-03-24	Backend		
7	11-03-24	18-03-24	Backend		
8	18-03-24	25-03-24	Final Representation.		

Part I: Project Documentation

To be filled by Project Guide	
Due date of Submission: _____	Submitted Date: _____
Marks: / 10	
Project Guide: _____	Signature: _____

Project Title: Cafe management System

Team Members (Roll No. & Name):

1) Sayali Sunil Padrat - 99

2) Komal Dhananjay Dhume - 129

3) Devyani Sanjay More - 86

4) Shreyash Arvind Sukhdeve - 133

Description: A cafe management system is a software solution

designed to streamline and automate various tasks involved in running a cafe, such as order management, inventory tracking, employee scheduling, customer relationship management, and financial reporting.

It typically includes features like point-of-sale (POS) functionality, menu management, table management, reporting and analytics, loyalty program, and integrations with payment gateways and accounting software.

A. About Pre-Existing System:

a) System Title: _____

b) Platform Used: Php, Node Js, html, css, J Query.

c) Database Used: Mangodb - NoSQL

d) Features:

1) Menu Management = Enables the creation, customization, and pricing of menu items, including the ability to update menus in real-time.

2) Table management = Helps track table availability, assign tables to customers, and manage reservations.

3) Customer Relationship Management (CRM): Stores customer information, tracks purchase history, and facilitates loyalty programs and marketing campaigns.

e) Drawbacks:

- 1) Initial cost: Implementing a cafe management system can involve significant upfront costs for purchasing software licenses, hardware, and training on how to use the system.
- 2) Learning curve: Employees may require time to become proficient with the new system, which could temporarily slow down operations and lead to error during transition period.
- 3) Technical Issues: Like any software, cafe management system can experience technical glitches, downtime, or compatibility issue with other software or hardware components.

B. About Proposed System (Project):

a) Mode of data storage (File system / Database): _____

b) Benefits of proposed system (over drawbacks of Pre-Existing System):

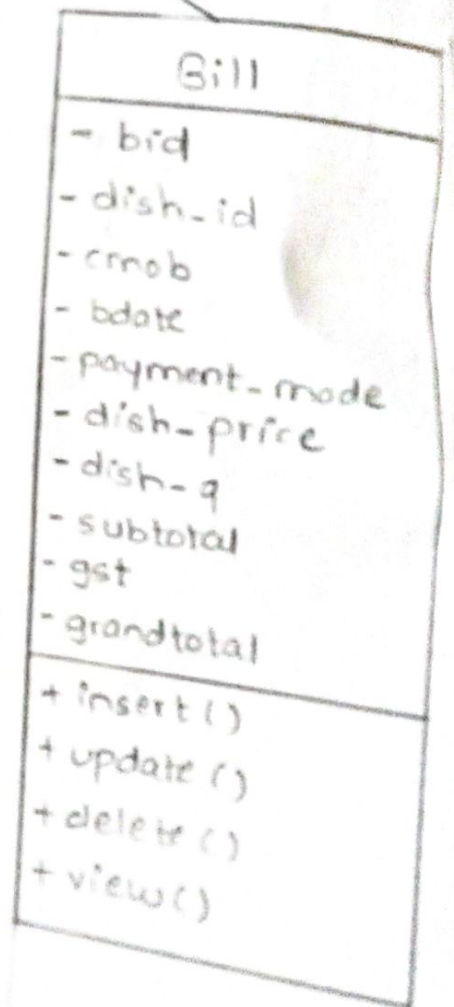
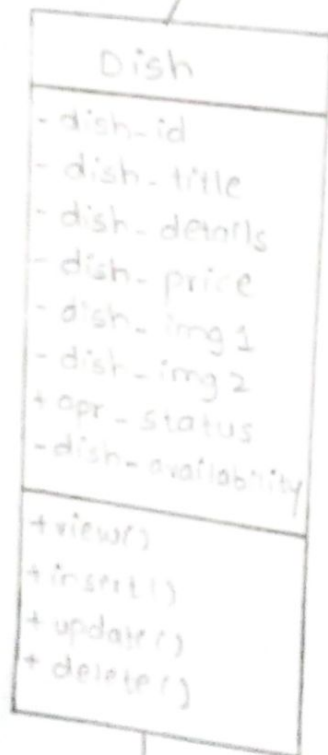
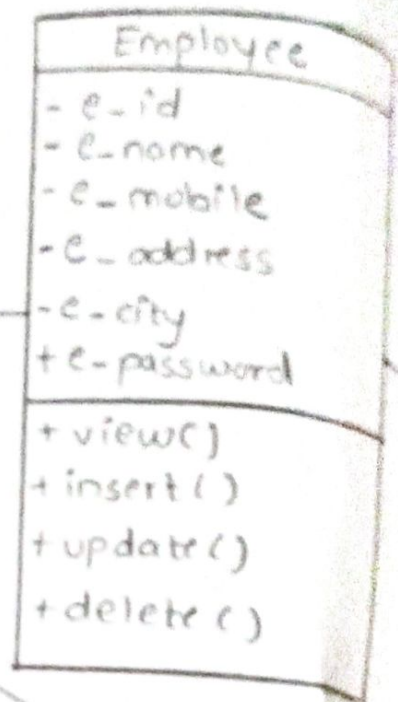
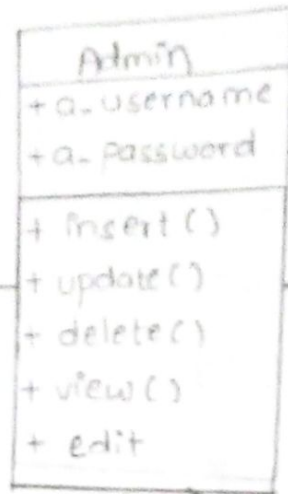
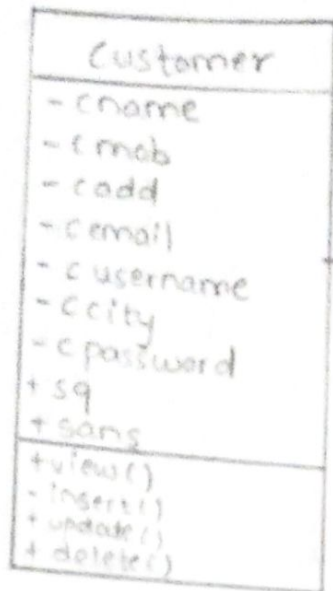
- 1) Streamlined Operations: The new system automates tasks, reduces manual errors, and streamlines processes, leading to smoother operations.
- 2) With features like POS integration, inventory management, and employee scheduling, the system optimizes workflow and resource allocation, improving overall efficiency.
- 3) Enhanced customer service: Advanced features such as table management, CRM integration, and loyalty program enable better customer engagement and satisfaction.

c) Features:

- 1) Inventory Management: Tracks inventory levels in real-time, automates stock replenishment, generates purchase orders, and provides insights into inventory age and cost control.
- 2) Employee Management: Streamlines employee scheduling, time tracking, payroll processing, with features for managing shifts, labor costs, and performance evaluation.
- 3) Reporting and Analytics: Generates comprehensive reports and analytics on sales performance, inventory levels, employee productivity, and customer behavior, enabling data-driven decision-making.

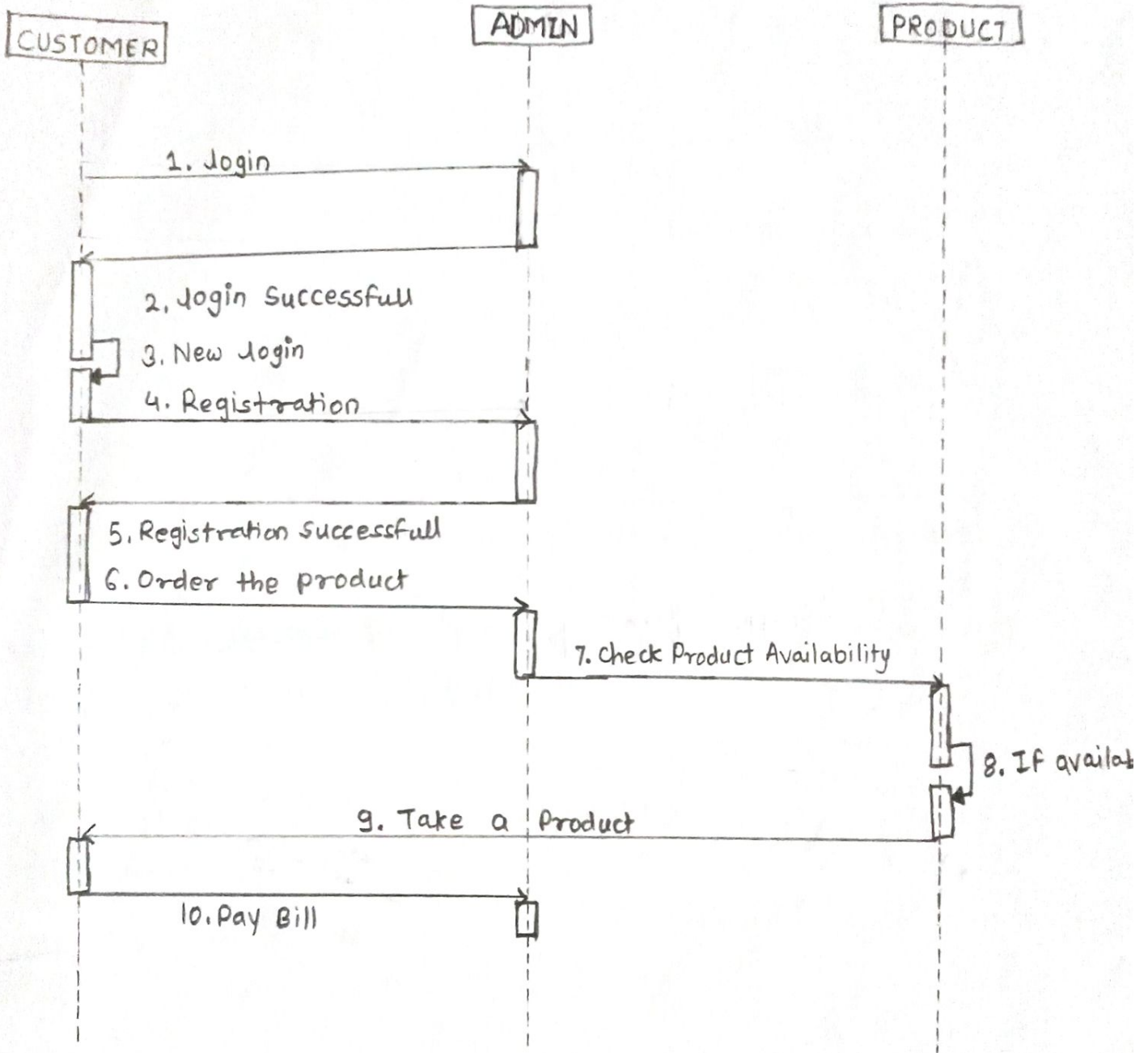
d) End Users:

- 1) Cafe Owners
- 2) Managers
- 3) Staff
- 4) Customers
- 5) IT Administrators
- 6) Accountants

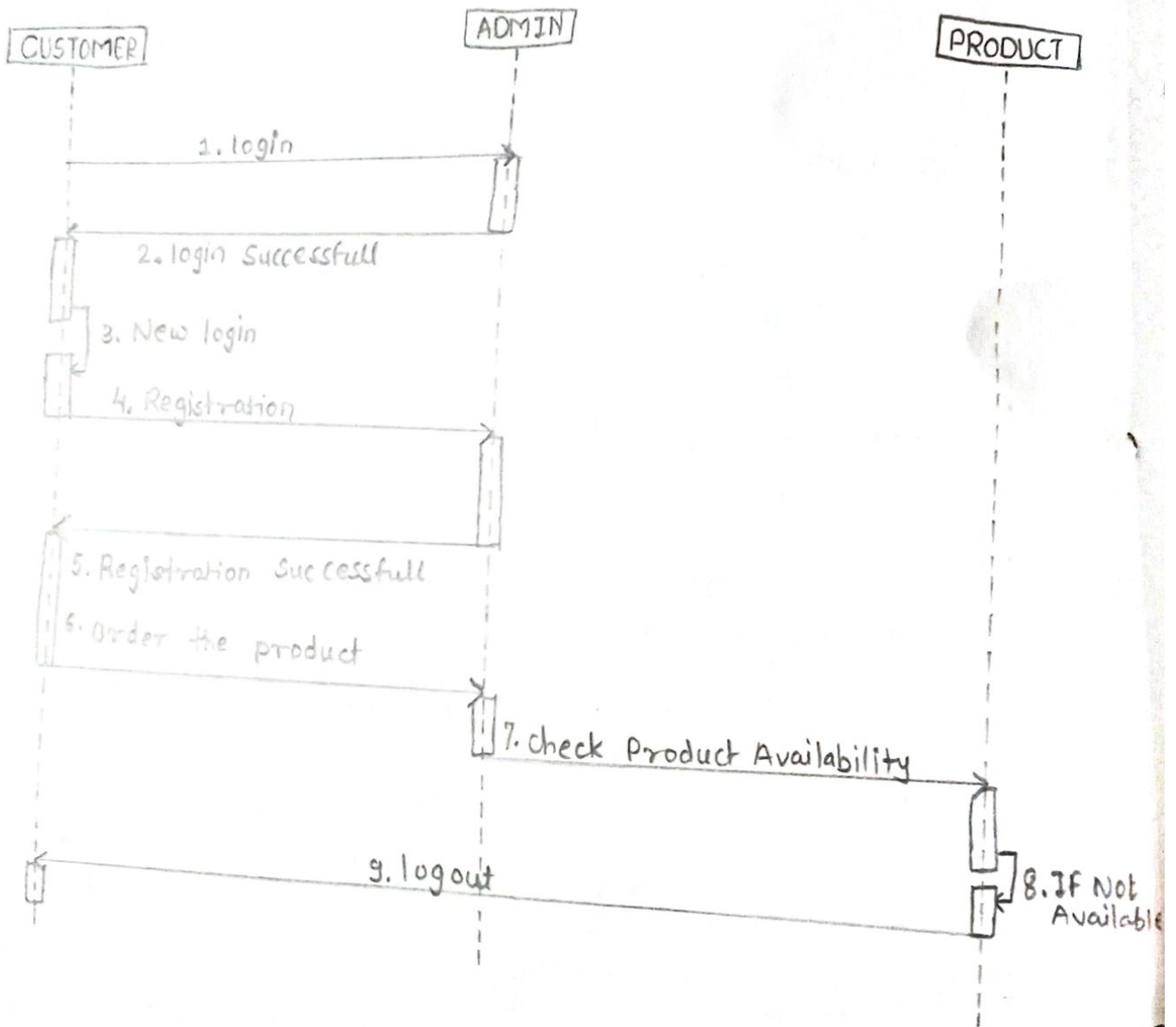


Sequence Diagram

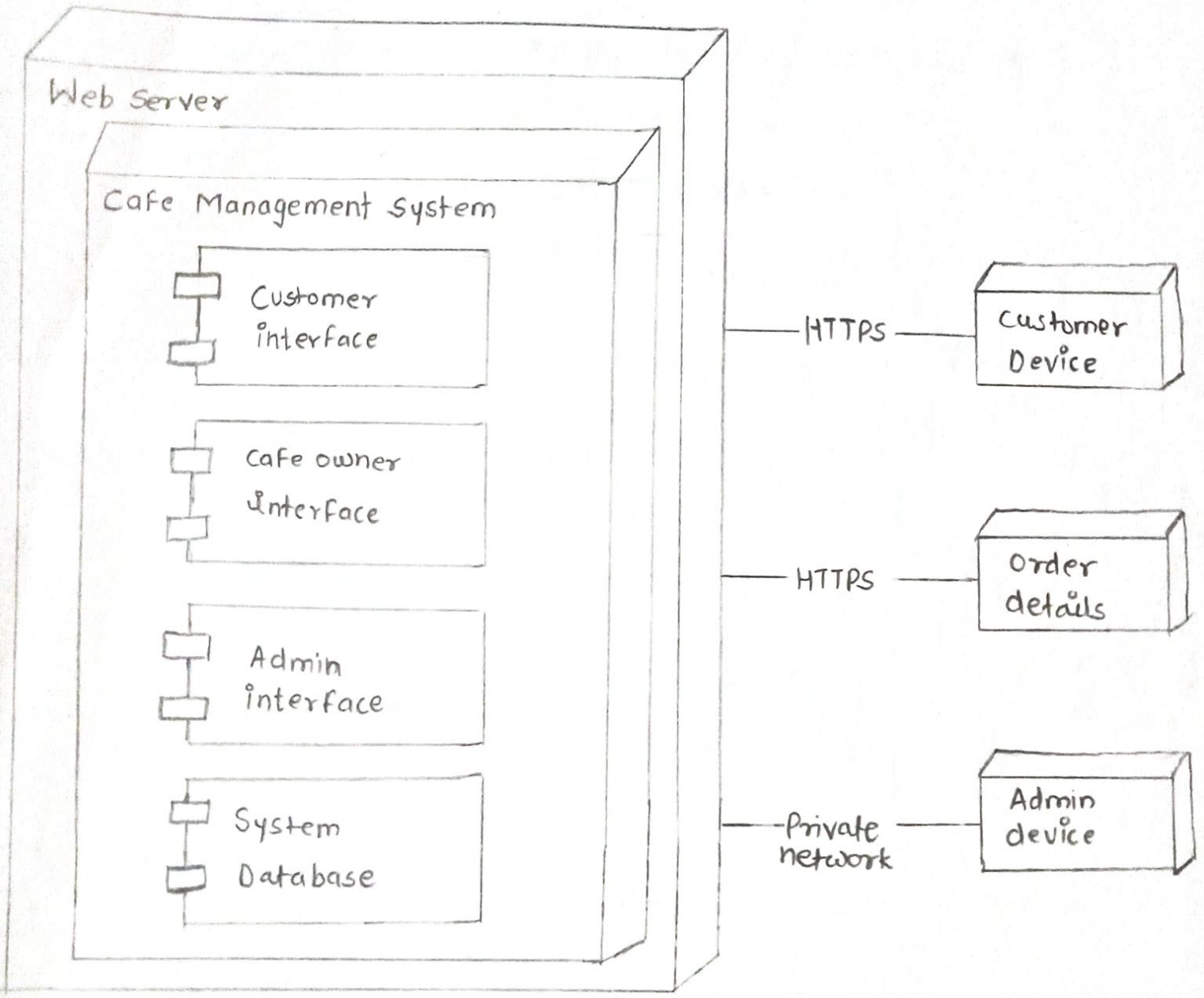
1. product Availability



2. Product Not Availability



Deployment Diagram



Project Progress Report

Roll No & Name of the student	Meghona Umesh Deshpande .
Title of the Project	Bakery Shop
Project Guide Name	Sapana Mulmule

Sr. No.	From Date	To Date	Details of Project work	Remark	Project Guide sign
1.	30/1/24	6/2/24	① Front End ② Database	Front End Done	<i>John</i>
2.	6/2/24	5/3/24	③ Database ④ Payment Gateway	✓ Very good	<i>John</i>
3.	12/3/24		connectivity CSS	Completed very good	<i>John</i>

500
35
2500
70
57500



Pune Vidyarthi Griha's College Of Science And
Commerce, Pune-09

Leisure ActiviTEAs

PROJECT REPORT

Submitted by

Joshi Sanjana Sandeep

Pore Tanvi Sameer

Pethsangavikar Anisha Balasaheb

Bachelors of Computer Science

Savitribai Phule Pune University

For Academic Year 2023-2024



P.V.G.'s College of Science & COMMERCE, Pune-09
Department of Computer Science

Project Certificate

This is to certify that Joshi Sanjana Sandeep—has satisfactorily completed the project as required by **Savitribai Phule Pune University, Pune** for T.Y.B.Sc.(CS), Semester-II, in the academic year 2023-2024.

The title of the project is Leisure Activities.

Project Guide



HOD

Internal Examiner

External Examiner



P.V.G.'s College of Science & COMMERCE, Pune-09
Department of Computer Science

Project Certificate

This is to certify that Parv Tanvi Sameer has satisfactorily completed the project as required by **Savitribai Phule Pune University, Pune** for T.Y.B.Sc.(CS), Semester-II, in the academic year 2023-2024.

The title of the project is Leisure Activities.

Project Guide

HOD



Internal Examiner

External Examiner



P.V.G.'s College of Science & COMMERCE, Pune-09
Department of Computer Science

Project Certificate

This is to certify that Pethsangavikar Anisha Balasahab has satisfactorily completed the project as required by **Savitribai Phule Pune University, Pune** for T.Y.B.Sc.(CS), Semester-II, in the academic year 2023-2024.

The title of the project is Leisure ActiviTEAs.

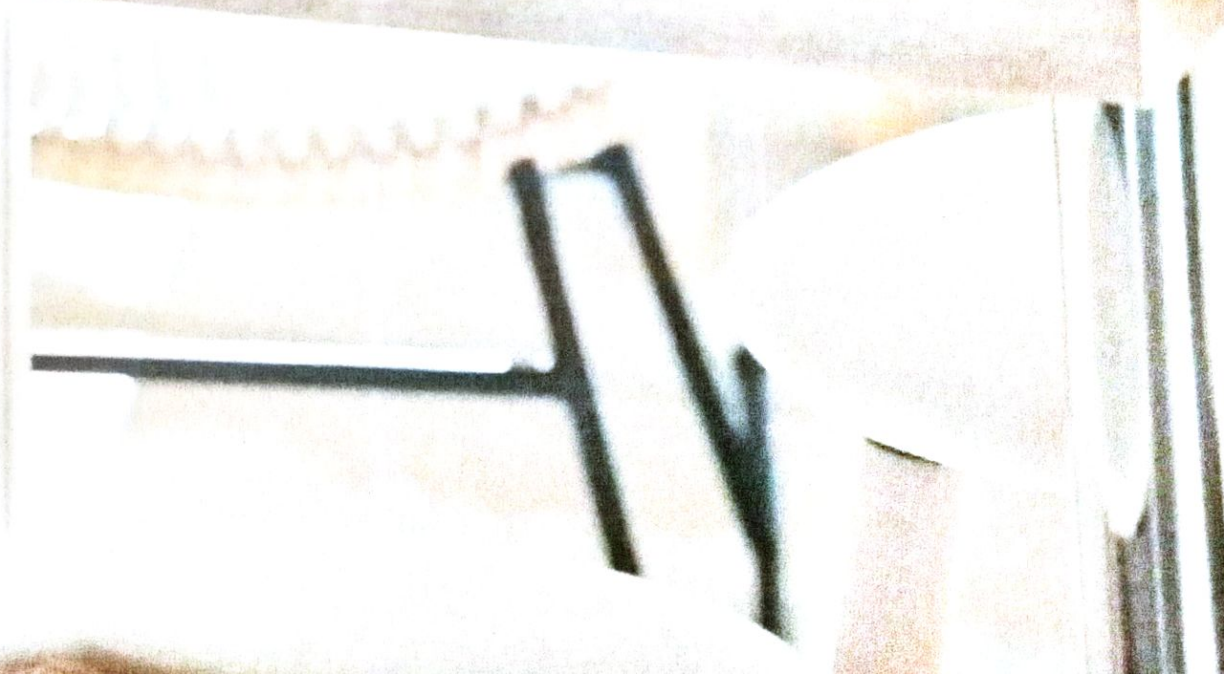
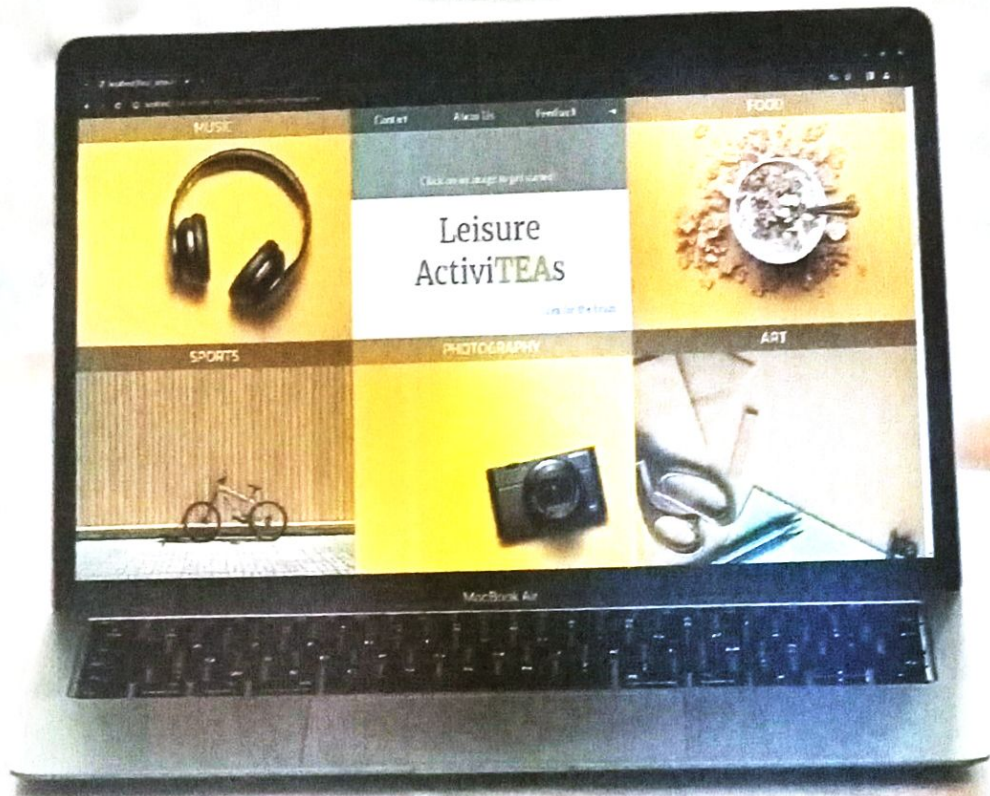
Project Guide

HOD



Internal Examiner

External Examiner



INDEX

Sr.no.	Topic	Page no
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2.	Abstract	2.
3.	Introduction and Objectives	3.
4.	Requirements	4.
5.	Technology Used	5-9
6.	System Diagrams	10-18
7.	Screenshots Of Website	19-30
8.	Limitations and Future Advancements	31.
9.	Bibliography	32.
10.	Conclusion and Future Scope	33.

ACKNOWLEDGEMENT

We extend our sincere and heartfelt thanks to our esteemed guide, **Prof Sapana Mulmule** and **Prof Ajita Bokil**, for providing us with the right guidance and advice at the crucial junctures and for showing us the right way. We also take this opportunity to express a deep sense of gratitude to **Prof Mahadeo Pisal**. We would like to thank our friends and family for the support and encouragement they have given us during the course of our work.

ABSTRACT

The project objective is to help users save their time and efforts by providing a single domain for all topics that come under the 5 main hobby fields that are Music, Photography, Food, Sports, Art. Users can surf and read information related to these fields, view and save high resolution images, view short windows of YouTube videos, and then go to YouTube through these windows, get information about shops, institutes, coaching centres near them through I-frames, etc. We aim to attract people who wish to keep their right brain working by staying productive and creative at all times, and we think that our website will be able to help them with it.

Introduction And Objectives

The main objective of Leisure ActiviTEAs is to provide users with an umbrella website that covers the main topics related to 5 fields that the users opt for as hobbies, namely, Music, Food, Sports, Photography, Art. We aim to save users the efforts of going through various searches by providing the most searched topics under a single domain. For example, the possible things people look for in 'Photography', are : Camera shops, high quality images for reference and for downloading, tips to click pictures and to buy a camera, institutes for learning photography, etc. We have attempted to cover such popular searches and club them under a single section where the user can access everything at once, without having to search for these topics separately and individually.

REQUIREMENTS

Hardware and Software Requirements:

Software Requirements:

- Front End - HTML, CSS, JavaScript, Bootstrap Framework
- Back End – PHP
- Windows XP 10

Hardware Requirements:

- Computer System with:
 - 1 GB RAM minimum
 - 40 GB Hard Disk minimum
 - Monitor
 - Keyboard
 - Mouse
 - Network connectivity

TECHNOLOGY USED

Languages:

1. HTML

Hyper Text Markup Language or **HTML** is the standard markup language for documents designed to be displayed in a web browser. It defines the content and structure of web content. It is often assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. HTML can embed programs written in a scripting language such as JavaScript, which affects the behaviour and content of web pages. The inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997. A form of HTML, known as HTML5, is used to display video and audio, primarily using the element together with JavaScript.

2.CSS

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

CSS is among the core languages of the **open web** and is standardized across Web browsers according to W3C specifications. Previously, the development of various parts of CSS specification was done synchronously, which allowed the versioning of the latest recommendations.

3.JavaScript

JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. — you can bet that JavaScript is probably involved

It is the third layer of the layer cake of standard web technologies, two of which (HTML and CSS) we have covered in much more detail in other parts of the Learning Area. JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.

4.PHP

PHP (Hypertext Processor) is a general-purpose scripting language and interpreter that is freely available and widely used for web development. The language is used primarily for server-side scripting, although it can also be used for command-line scripting and, to a limited degree, desktop applications. The acronym PHP was originally derived from Personal Home Page Tools, but it now stands for PHP: Hypertext Preprocessor, which the PHP Group's documentation describes as a "recursive acronym."

When used for server-side scripting, PHP is added to a webpage for the purpose of generating dynamic content when the page is accessed

through a client browser. The web server runs the script before transmitting the page to the browser. To support this process, the web server requires PHP to be installed on the server, along with a PHP parser -- either a Common Gateway Interface (CGI) parser or a server module.

5. Postgres

PostgreSQL is an advanced, enterprise-class open-source relational database that supports both SQL (relational) and JSON (non-relational) querying. It is a highly stable database management system backed by more than 20 years of community development. This thorough and collaborative approach has contributed to its high levels of resilience, integrity, and correctness. PostgreSQL is used as the primary data store or data warehouse for many web, mobile, geospatial, and analytics applications.

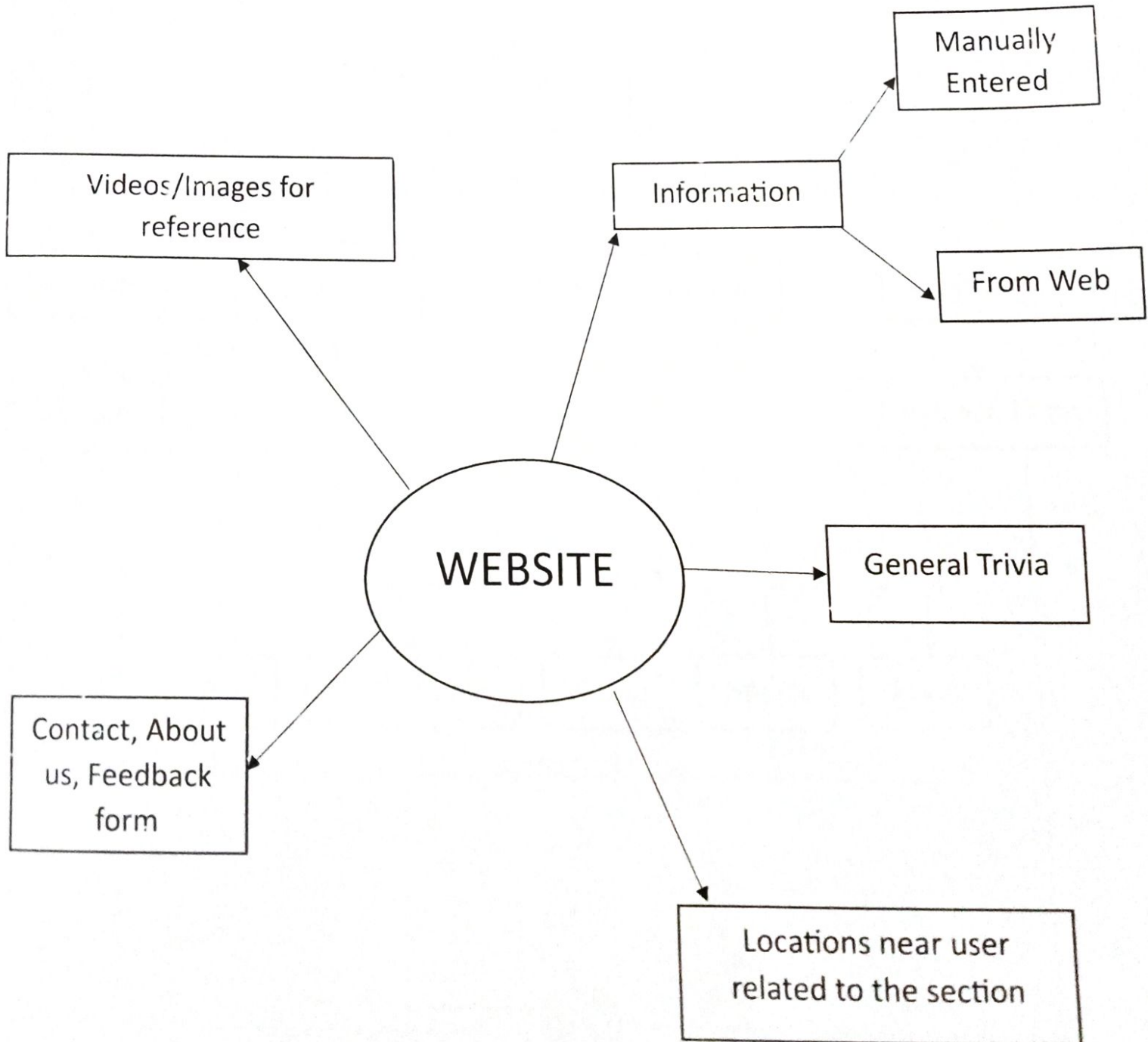
Framework

Bootstrap :

Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website. It is absolutely free to download and use. It is a front-end framework used for easier and faster web development. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others. It can also use JavaScript plug-ins. It facilitates you to create responsive designs.

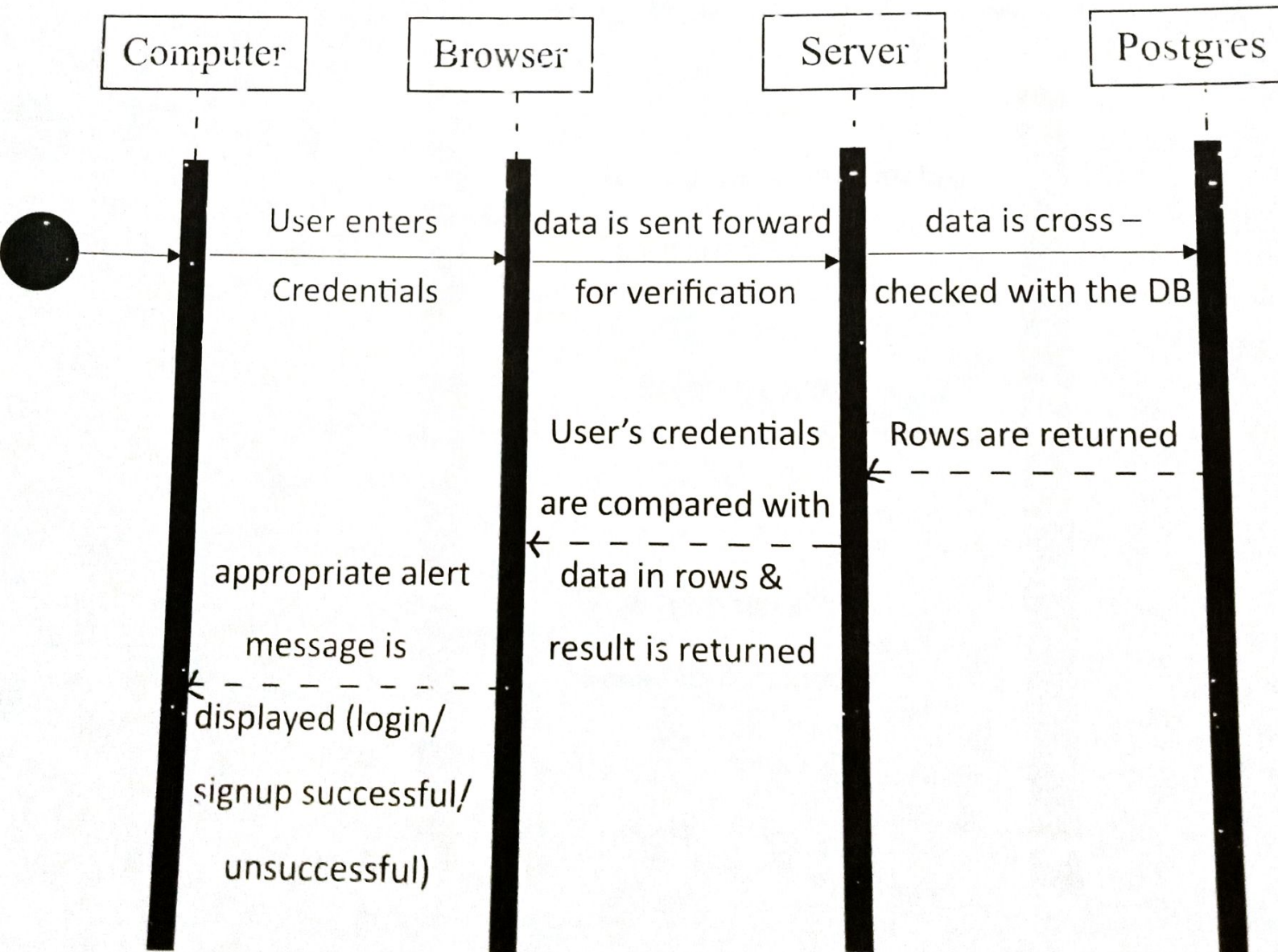
SYSTEM DESIGNS

1. Context Level Diagram

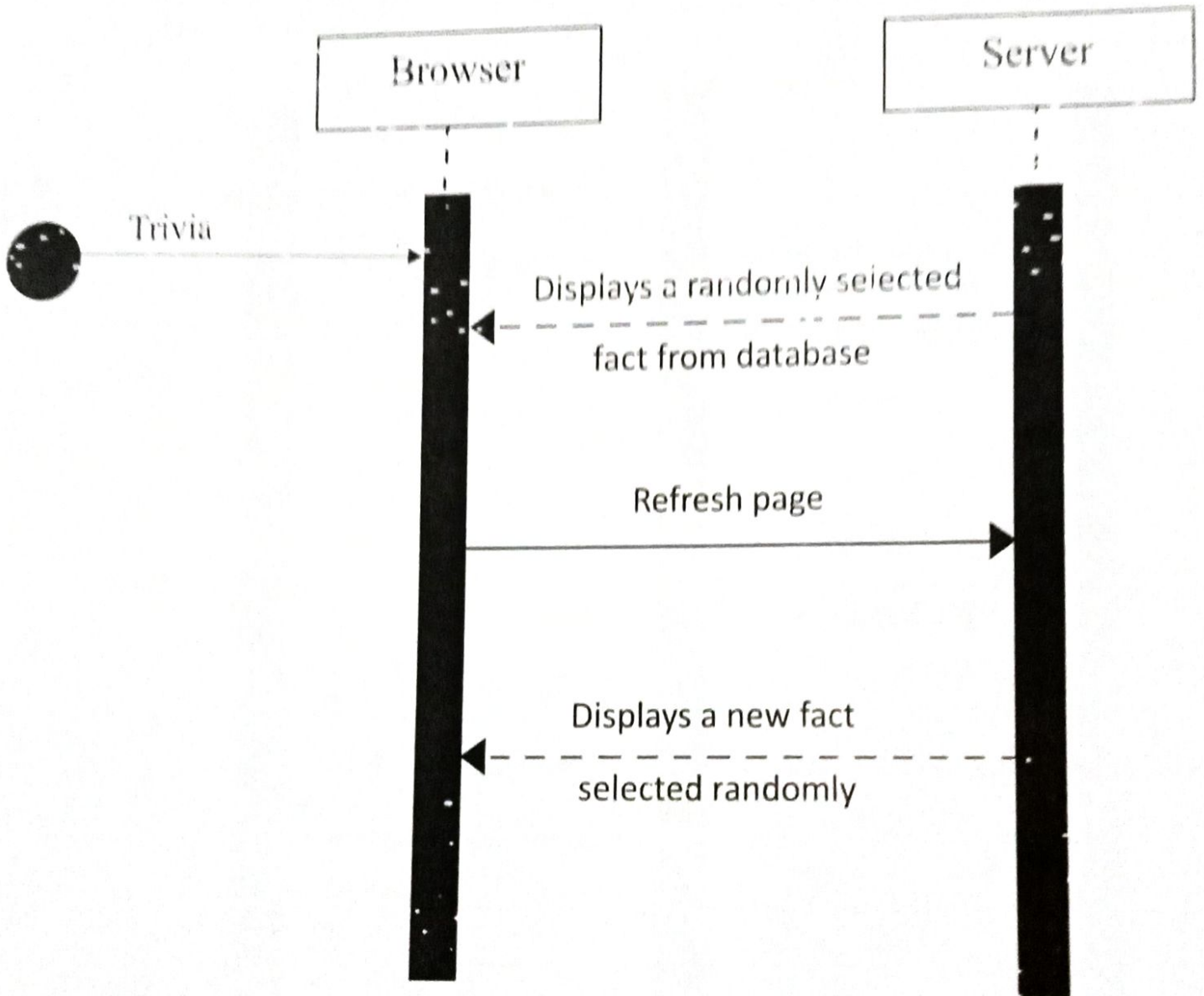


4. Sequence Diagram

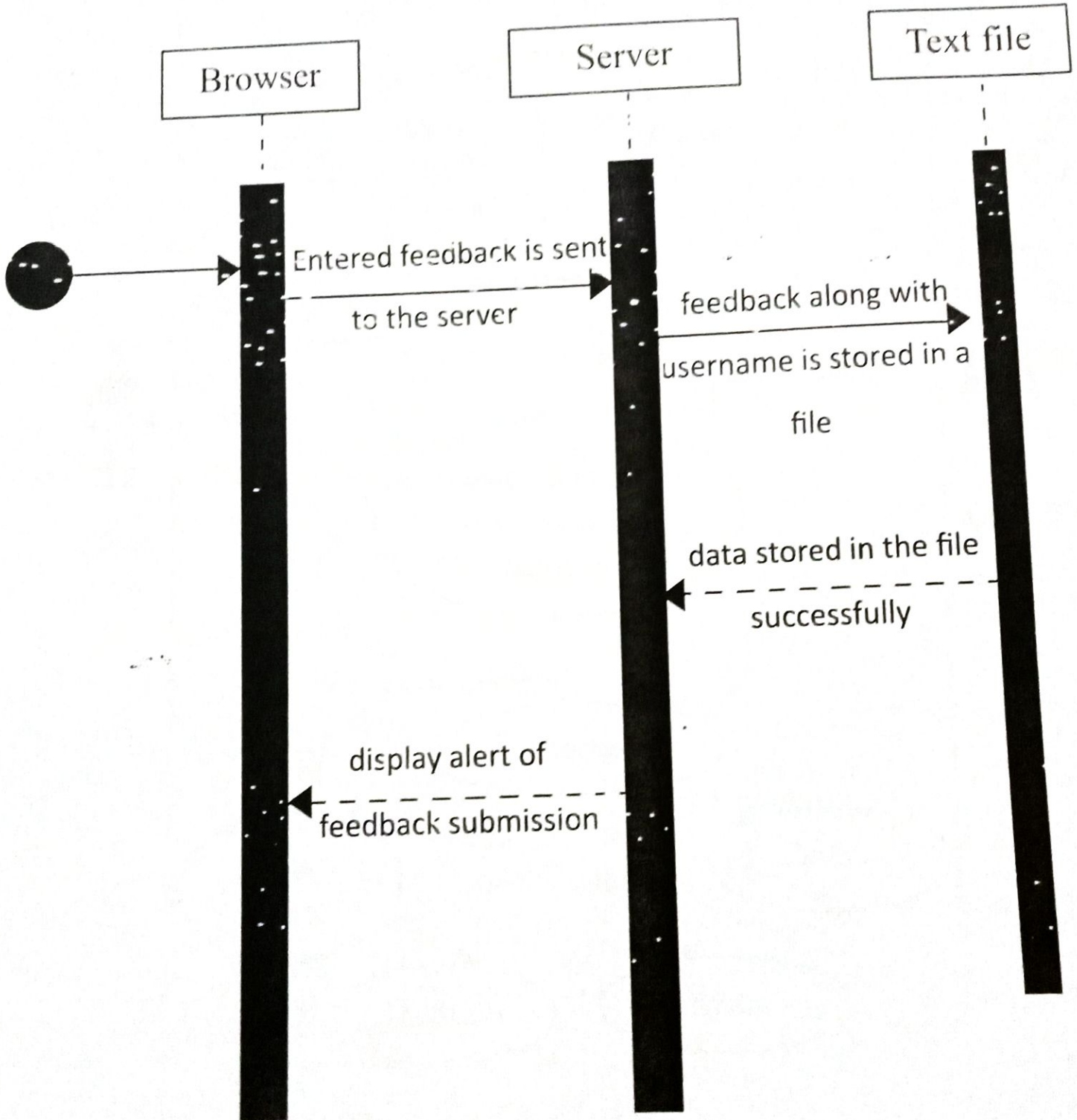
A) Login page – PHP

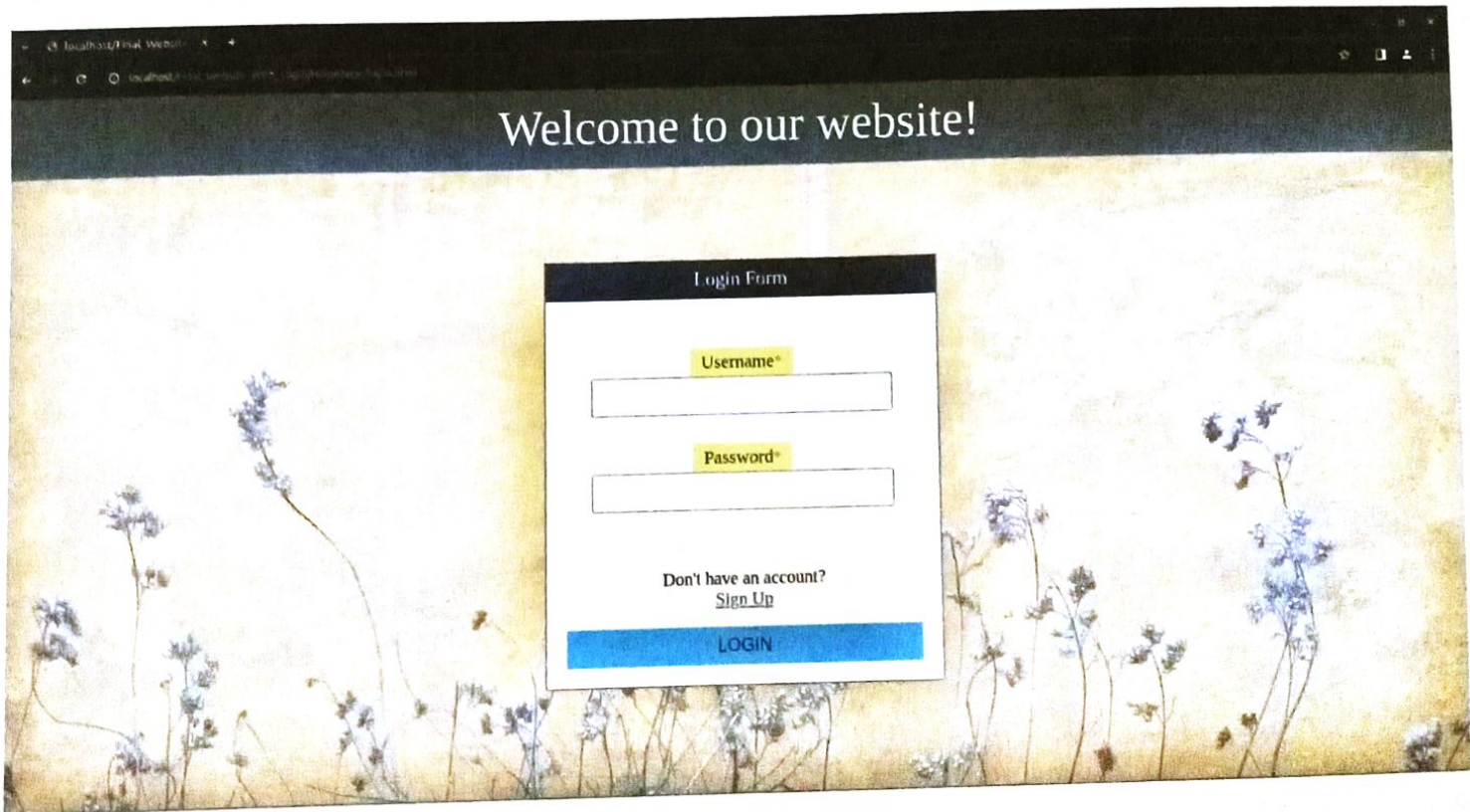
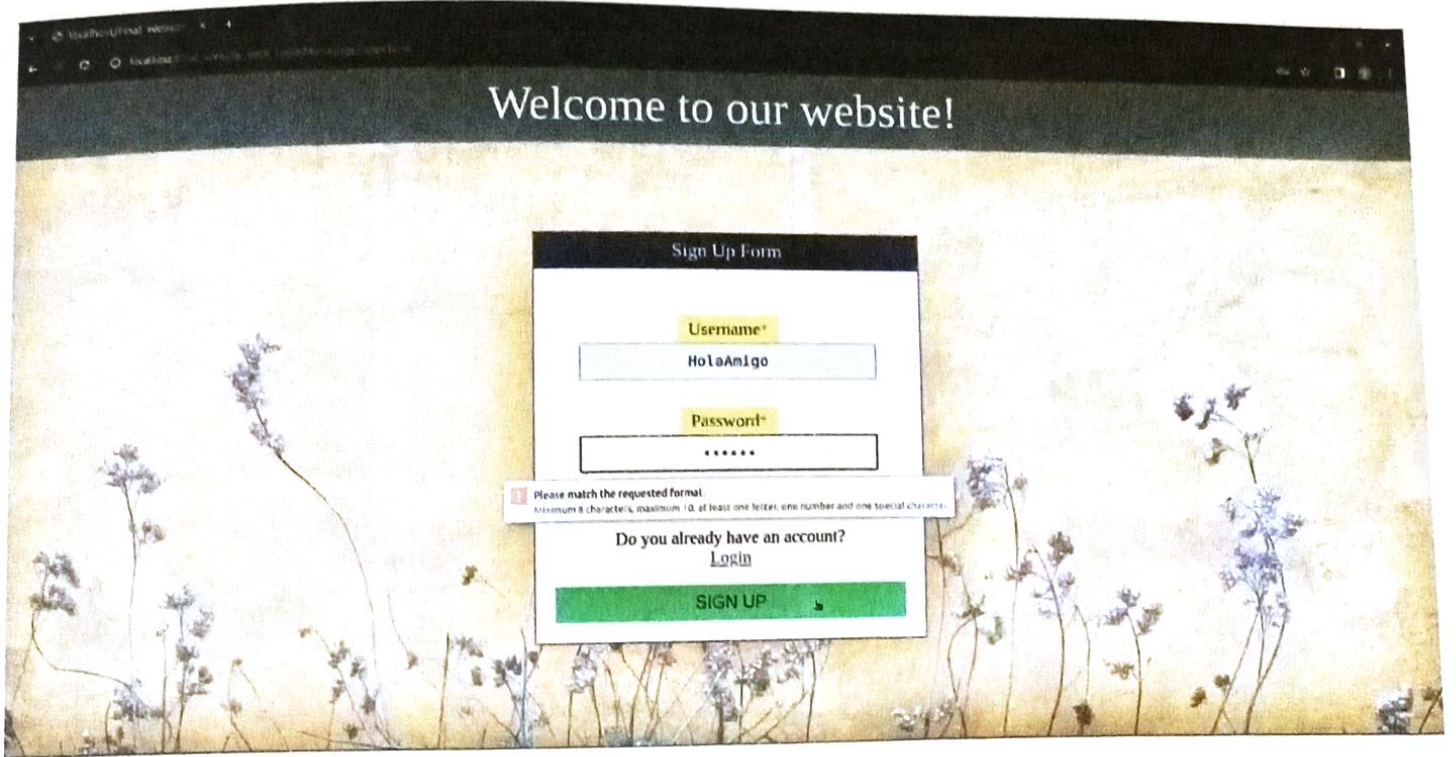


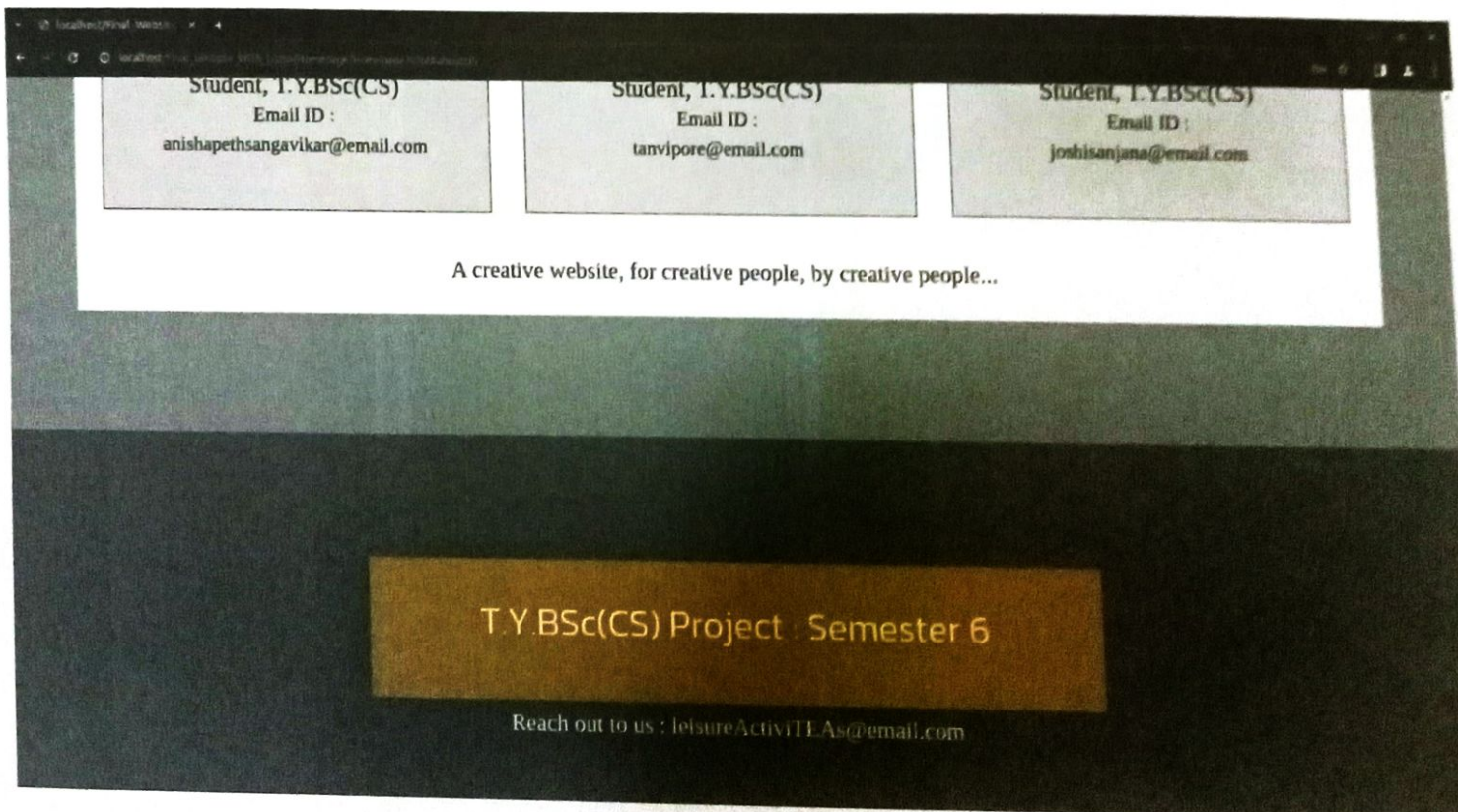
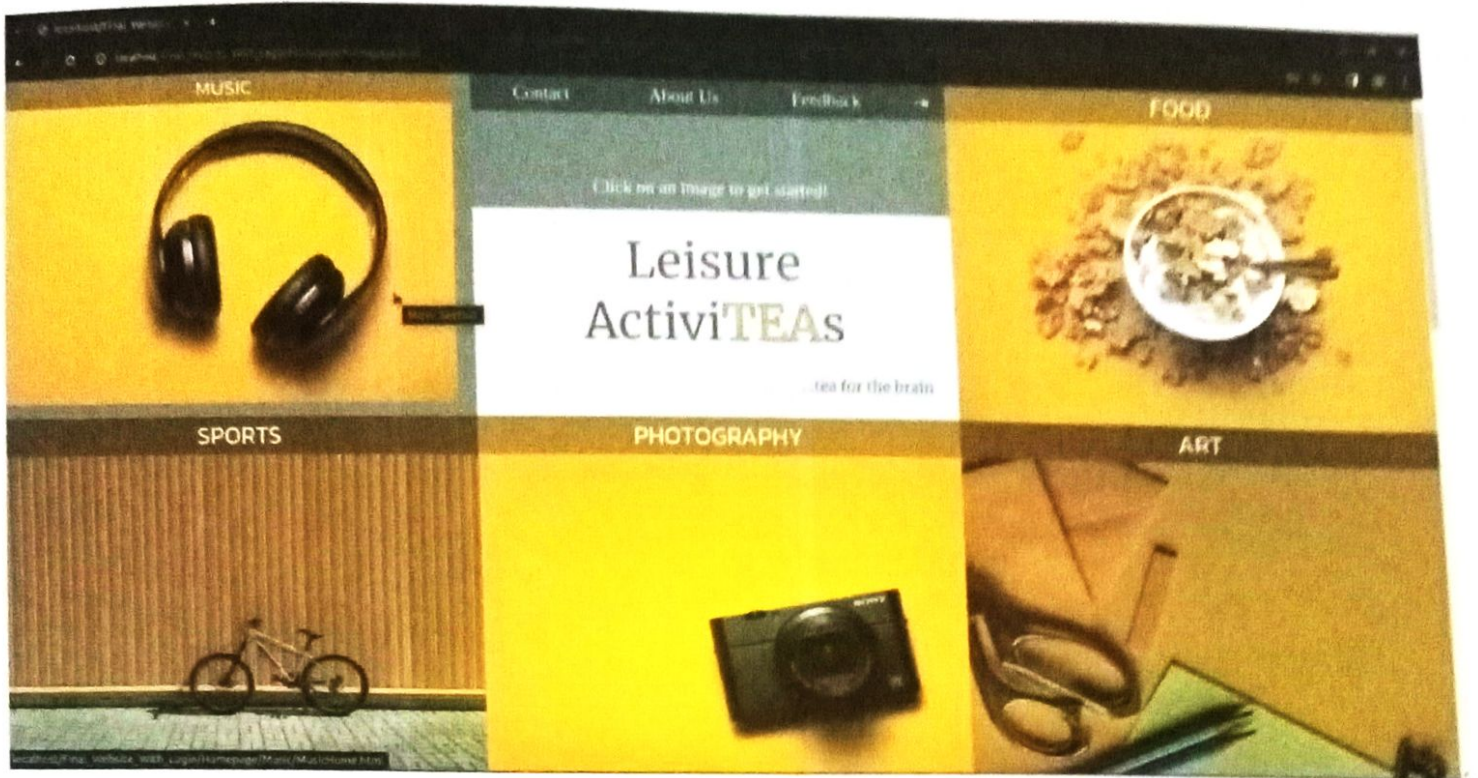
C) Trivia - PostgreSQL

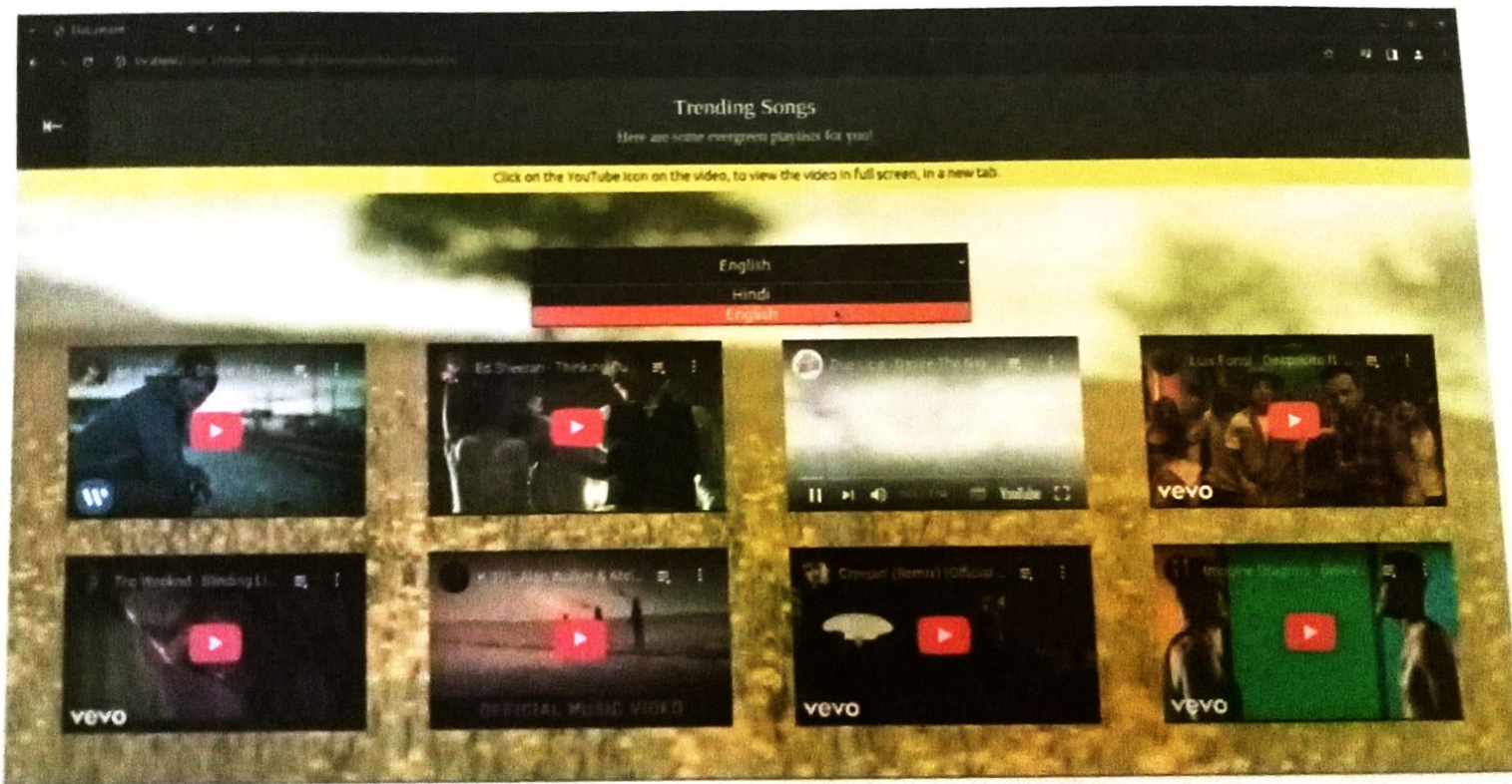
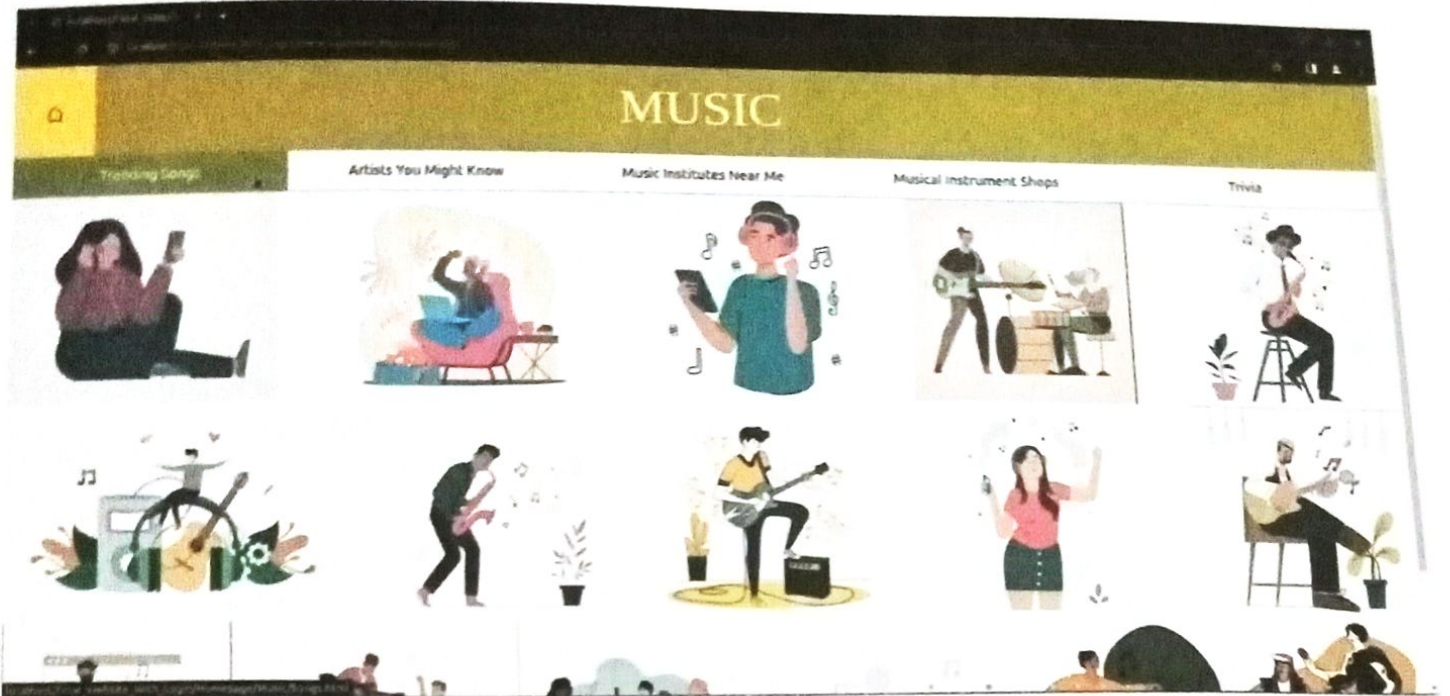


D) Feedback - PHP









Information Of Famous Music Artists



Institutes For Music Near You

Pune



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Trivia




Fun Facts!

In the early days of photography, the process of making photographic paper involved painting asphalt varnish onto copper or glass plates.

Refresh

Indian cuisine consists of a great variety of food, ranging from Mughlai to Rajasthani to various other local cuisines ranging across different states. It is one of the most varied cultured countries with umpteen dishes. It is not a single cuisine but a collection of different regional cuisines; each is a great cuisine of the world. As one traverses through the country, one will find a sumptuous variety of snacks, breakfast, lunch and dinner menus across each state. The preparations also vary as local spices and ingredients are prominently used. The beauty of Indian cuisine is the sheer variety of flavours be it vegetarian, seafood or meat dishes. Indian cuisine is at par with international cuisine.



To know more about Indian cuisine and culture here's a quick guide for you!
[Tap to know more](#)

Index
Popular Recipes For You
Mom's Special

👉👉 Popular recipes For You to Watch and Make 🍴👉👉

1. Vegetable Biryani

Vegetable biryani usually contains yogurt-coated, spiced vegetables that are then layered between rice and steamed all together. A saffron liquid is poured over, then the dish is topped with caramelized red onions. Spices such as cinnamon sticks, bay leaves, and cloves will complement the dish too, which we've included in the recipe but you can also choose your own adventure and use up what you have on hand.



SPORTS

Popular Sports

Traditional Games

Winter Sports

Coaching Centers

Sports Equipment Shops

More



Information About Popular Games

- Home
- Sports
- Games
- Top
- Categories
- Search
- Settings
- Help
- Feedback
- Privacy Policy
- Terms of Service
- Legal
- Contact Us
- Sign Up
- Log In
- Account
- My Profile
- My Games
- My Friends
- My Activity
- My Settings
- My Account
- My Profile
- My Games
- My Friends
- My Activity
- My Settings
- My Account



Home / Sports / Badminton

Badminton

Badminton is a racket sport played using shuttlecocks in an indoor arena.

Badminton is a racket sport played using shuttlecocks in an indoor arena.

Badminton is a racket sport played using shuttlecocks in an indoor arena. It is a fast-paced game that is played on a court that is 13.5 meters long and 6.1 meters wide. The game is played with two rackets and a shuttlecock. The shuttlecock is a feathered ball that is used to hit the ball over the net. The game is played in a court that is 13.5 meters long and 6.1 meters wide. The game is played with two rackets and a shuttlecock. The shuttlecock is a feathered ball that is used to hit the ball over the net.

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By Wikimedia Commons

Badminton

Badminton is a racket sport played using shuttlecocks in an indoor arena.

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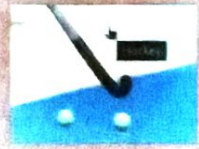
Badminton is a racket sport played using shuttlecocks in an indoor arena.

Index

Aankh Micholi
Atya-palya
Pambaram (Bhavra)
Gilli Danda
Tupri Paath (Hupar-doch)
Kanche
Kho Kho
Lagori
Langdi
Mallakhamb

Aankh Micholi

Aankh Micholi is a popular group outdoor game enjoyed by children aged 5 to 12. The boys and the girls actively participate in playing this group game. This game helps in developing sensory skills, alertness, and a sense of sound in the players. The denner or the blindfolded player has to make the judgment of space based on his hearing abilities. This helps the denner in developing his/her skill to be alert at all times and have a sense of sound. This game also helps in developing tactile senses.



PHOTOGRAPHY

Images For Reference

Photography Types

Tips And Tricks

Photography Courses

Tool Shops

Trivia



Various Coaching Centres Near You

Sport: City:

- 1) Do not browse any other websites through this iframe, as your personal data might not remain safe.
- 2) This iframe is ONLY for viewing the local shops near you.
- 3) If a blank screen appears, please refresh the iframe using the RED button above.

Microsoft Bing | coaching centres for Cricket in Pune | English | Sign in | Mobile

ALL | COPY | VIDEOS | IMAGES | MAPS | NEWS | SHOPPING | MORE | TOOLS

Coaching Centres For Cricket In Pune

RK Cricket coaching academy Sports club Chhatrapati Field Near Sardeshmukh HSEB, behind bus Service Station, Madhapur. Phone: 187968 6423	<input type="button" value="WEBSITE"/> <input type="button" value="DIRECTIONS"/>	
Sahara cricket academy Sports club Sahara Cricket Academy (Dhayan-Narhe Rd, Bendor Nagar, Dhayani Phatak, Pune) Closed - Opens 08:30	<input type="button" value="WEBSITE"/> <input type="button" value="DIRECTIONS"/>	
Jais Cricket Academy Coaching Center Cricket Ground	<input type="button" value="WEBSITE"/> <input type="button" value="DIRECTIONS"/>	

Photographs For Reference



Tips And Tricks

Photography Tips

Tips to buy a camera

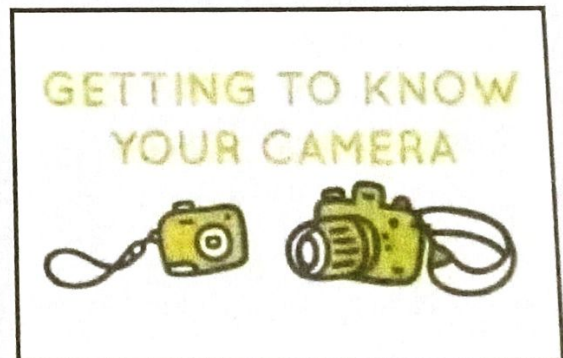
The rule of thirds



Shoot in RAW

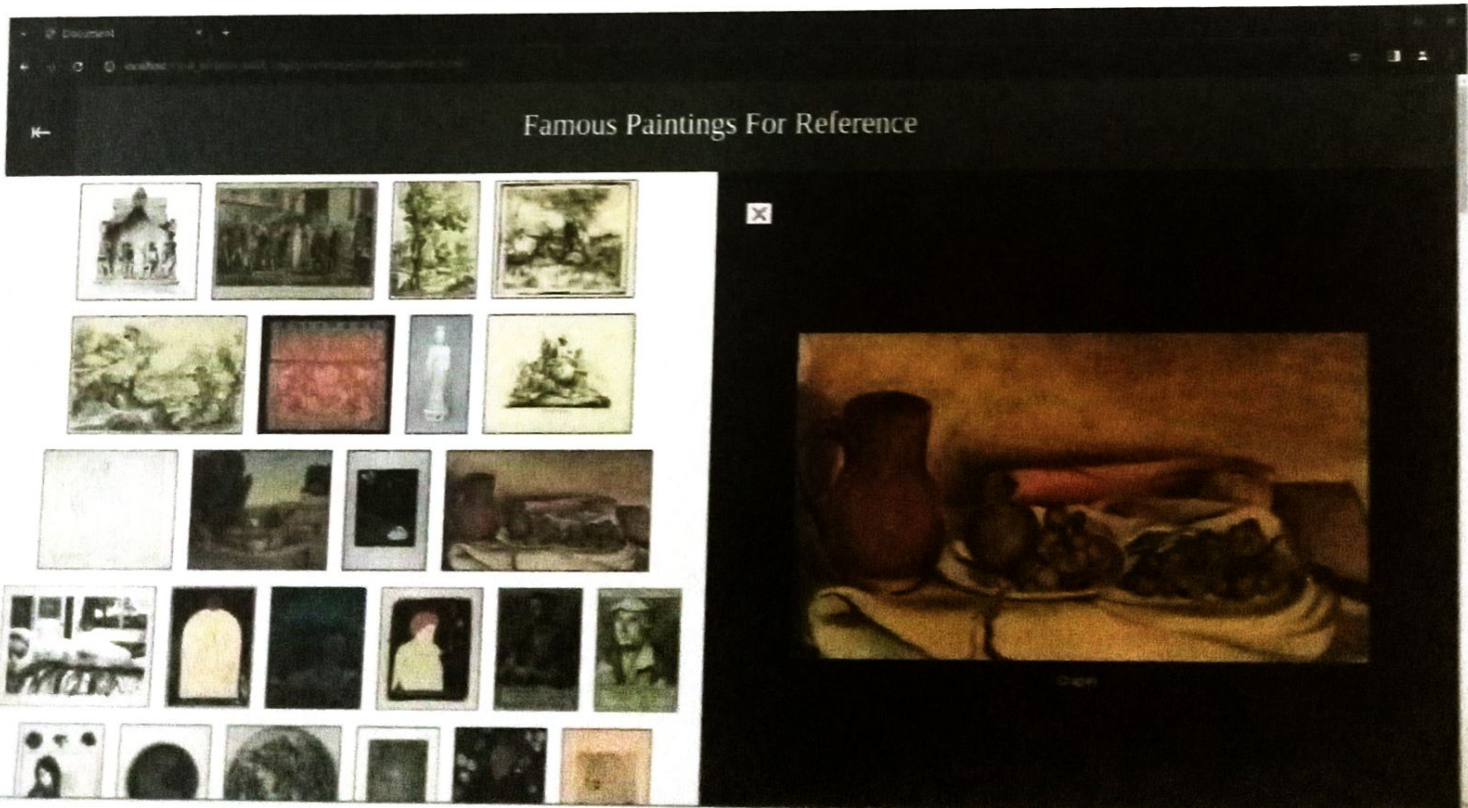
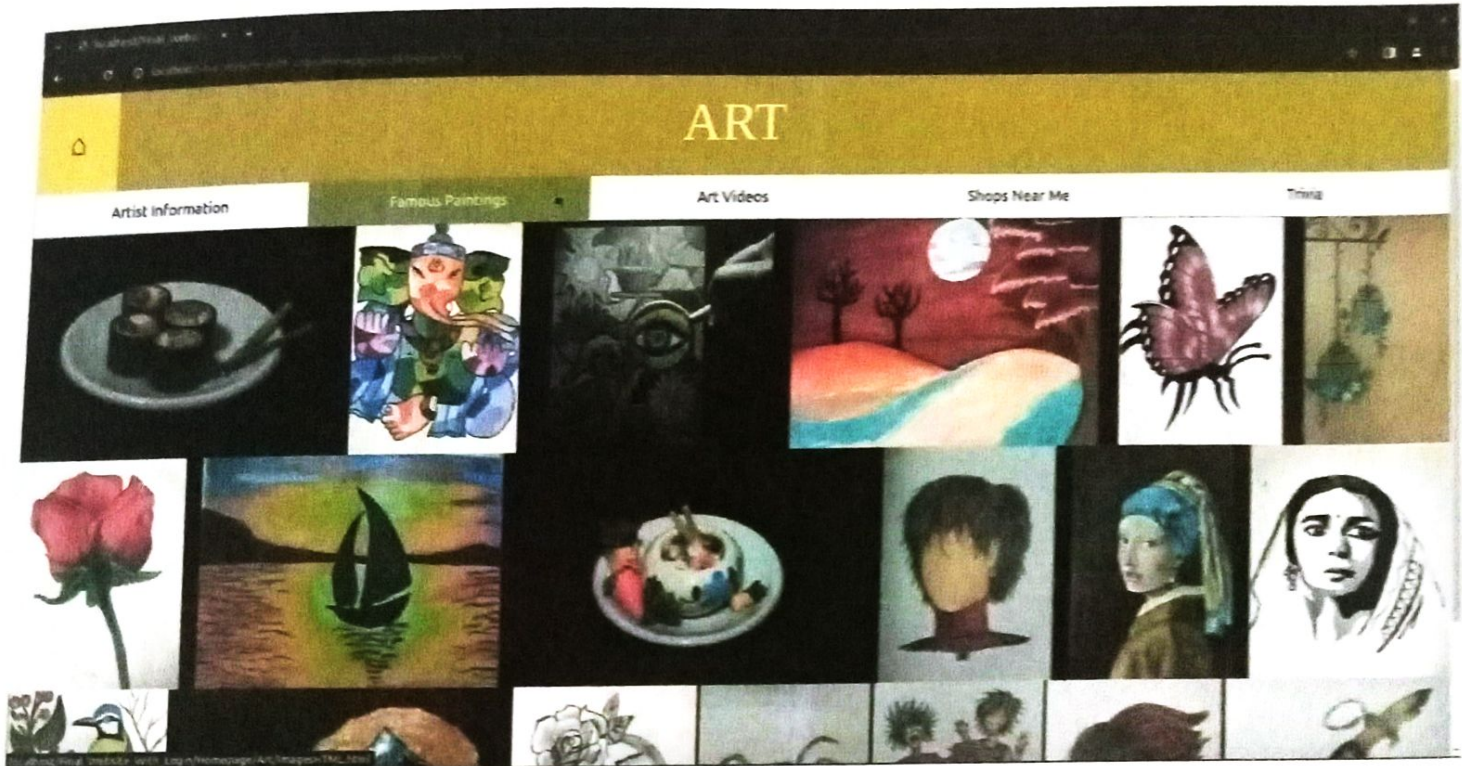


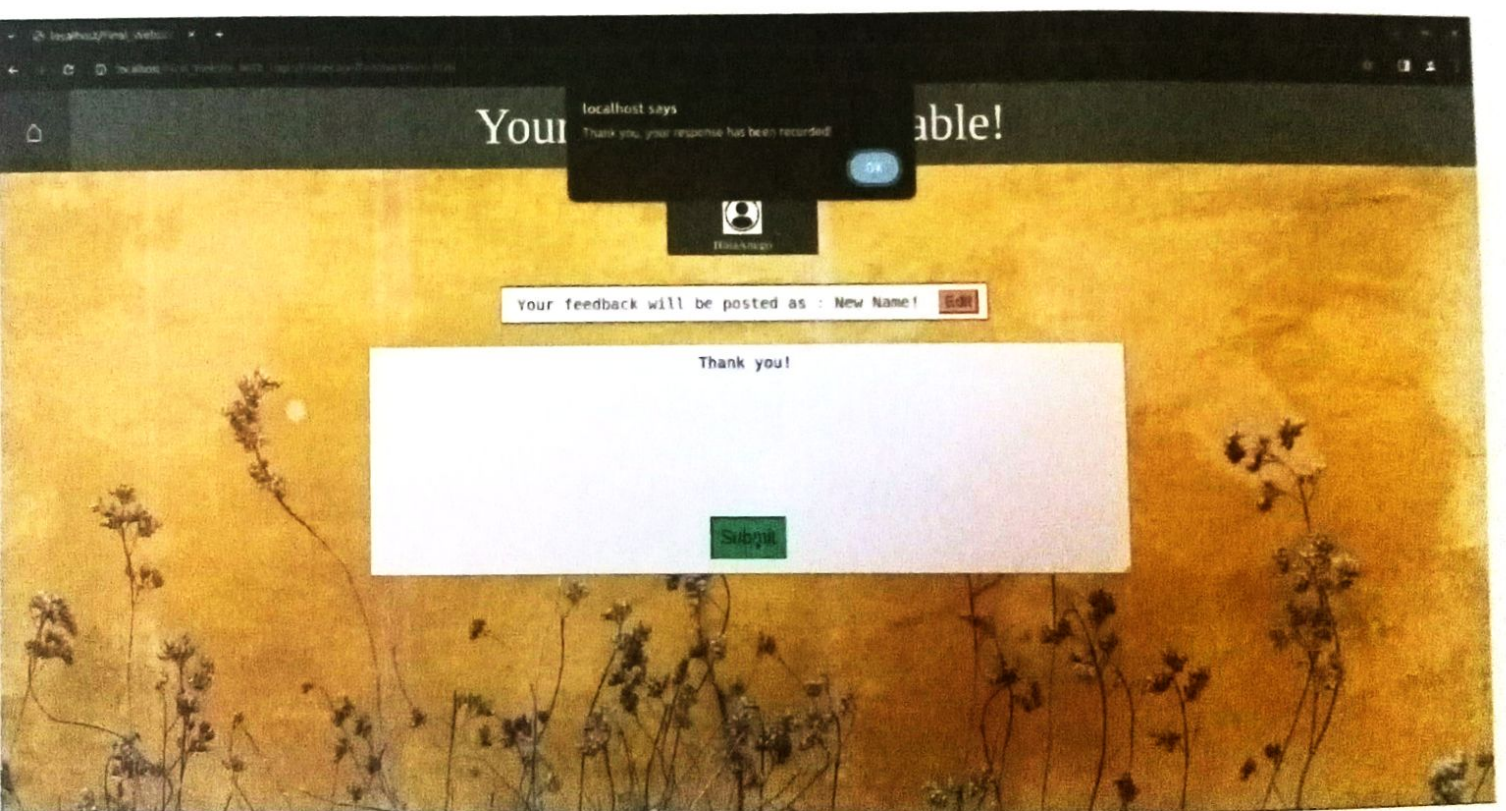
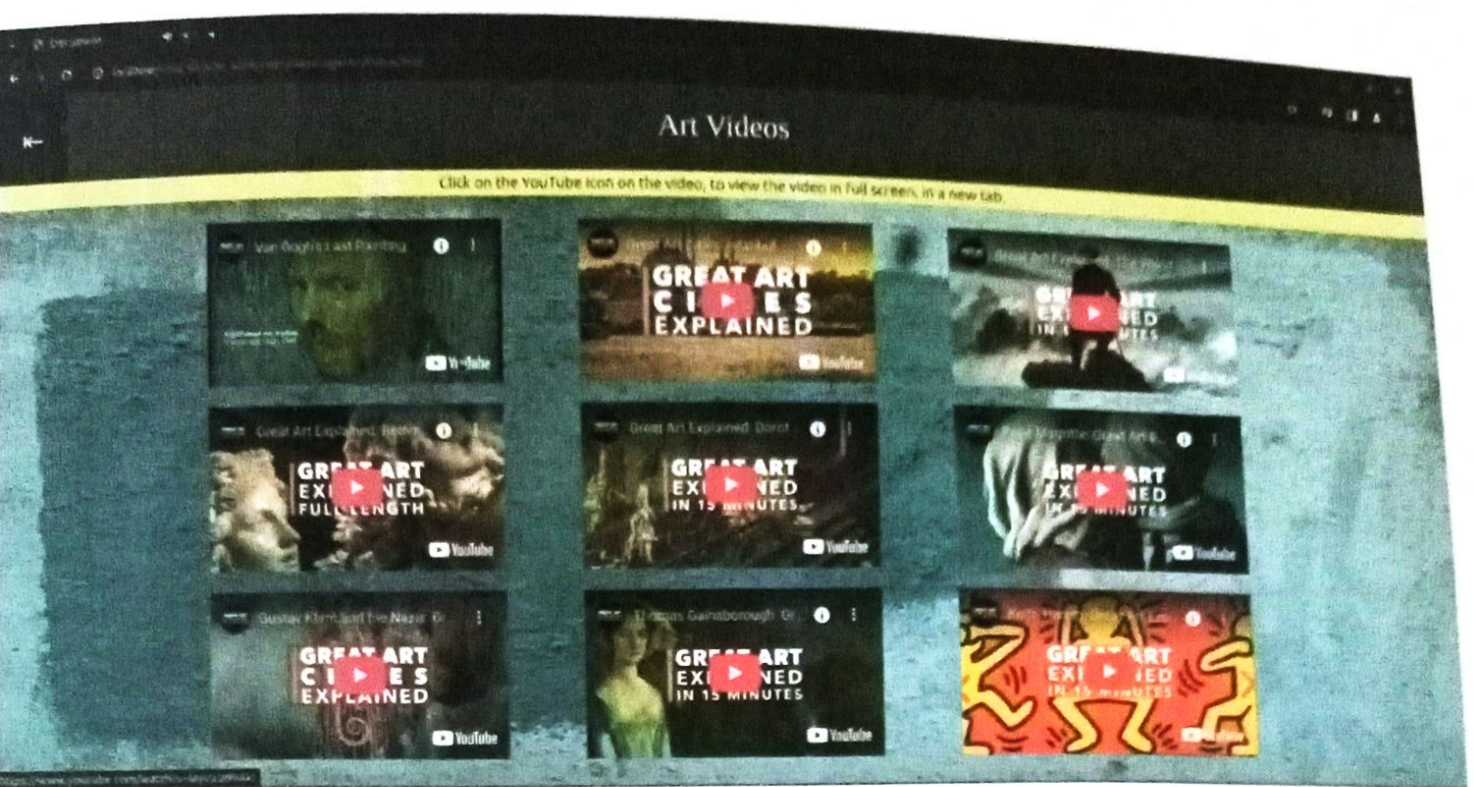
Know your camera



Understand the exposure triangle







LIMITATIONS AND FUTURE ADVANCEMENTS :

Limitations :

- Events in the I-frame cannot be detected.
- Browsing within the I-frame is unsafe.
- Fetching images through an API is a bit time consuming.
- A lot of websites forbid I-frames from displaying their content.
- Unable to divide the trivia database as per the active sections.

Future Advancements :

- Making the website responsive.
- Finding an alternative for I-frame.
- Displaying fun-facts according to the selected section.
- We will try to make sure that our website is compatible with newer versions of browser, OS, technologies used as well.

BIBLIOGRAPHY :

Images taken from :

1.unsplash.com

2. Open source API of Art Institute Of Chicago

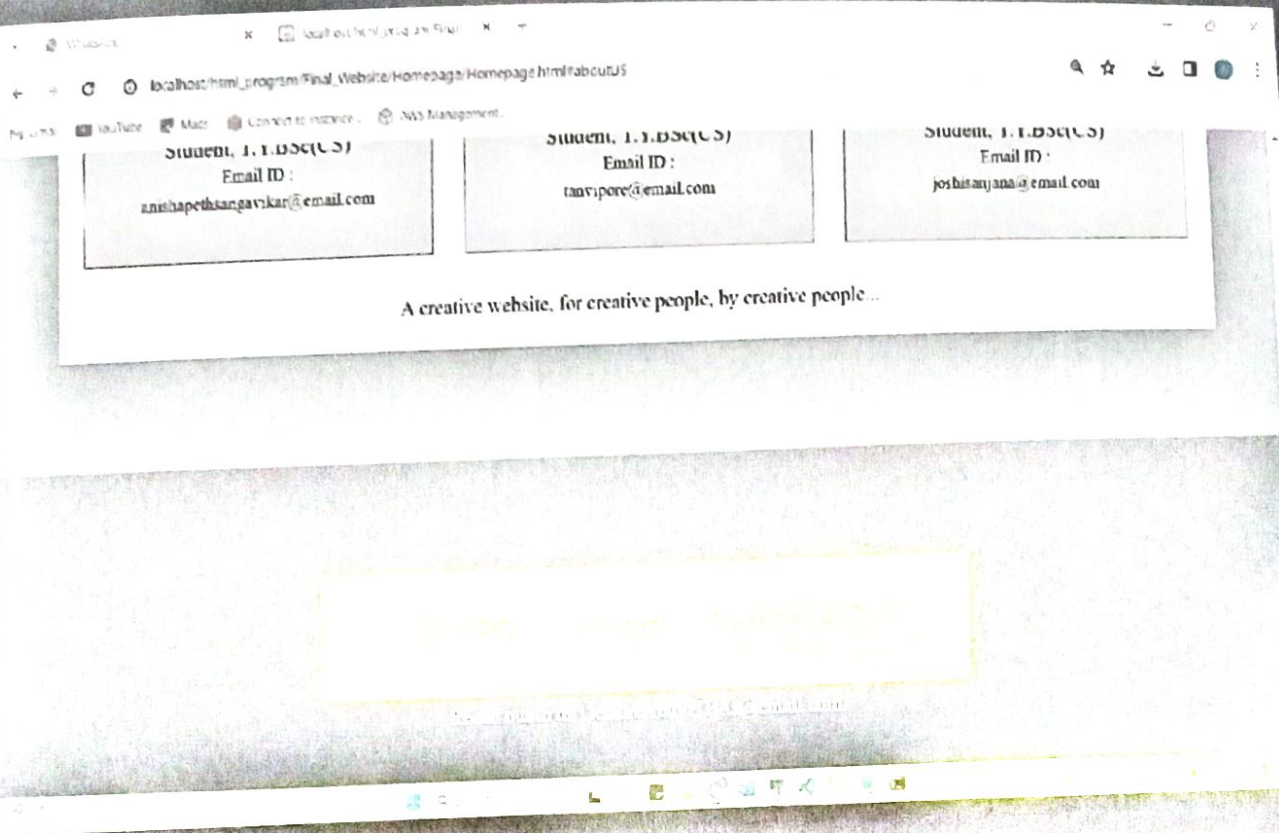
Videos taken from : youtube.com

Information sources : Wikipedia, free access

Photography/Food websites from google.com

CONCLUSION AND FUTURE SCOPE :

With the help of our website, users will be able to browse/explore and access a lot of things that usually require ample amount of google searches. We tried to make sure that the users' efforts will be saved in company with a smooth and user-friendly experience. We plan to overcome as many limitations as we can along with bringing new updates in our website to provide the user an even better experience.



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A creative website, for creative people...

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New! We have a new feature! | Contact Us



Pune Vidyarthi Griha's

COLLEGE OF SCIENCE & COMMERCE

(Accredited by NAAC)

(Affiliated to Savitribai Phule Pune University & Approved by Govt. of Maharashtra)

S.No.44, Vidyanagari, Parvati, Pune- 411009

Telephone: (020) 2422 1484, Website: www.pvgcsc.ac.in

NAAC - CYCLE 2 - SSR

M.Sc. (Computer Science)

Project work / Internship details

Savitribai Phule Pune University
(Formerly University of Pune)

Two Year Masters Degree Program
in Computer Science
(Faculty of Science and Technology)



Syllabi for
M.Sc. (Computer Science) Part-I

(For Colleges Affiliated to Savitribai Phule Pune University)

Choice Based Credit System (CBCS) Syllabus
Under National Education Policy (NEP)

To be implemented from Academic Year 2023-2024

Savitribai Phule Pune University
Syllabus Structure as per NEP Guidelines
M. Sc. (Computer Science) from 2023-24

SEMESTER II

Course Type	Course code	Course Name	Credits		Teaching Scheme Hrs/Week		Examination Scheme and Marks		
			TH	PR	TH	PR	CE	EE	Total
Major Core	CS-551-MJ	Design and Analysis of Algorithms	4	-	4	--	30	70	100
	CS-552-MJ	Mobile App Development Technologies	4	-	4	--	30	70	100
	CS-553-MJ	Software Project Management	2	-	2	--	15	35	50
	CS-554-MJP	Lab course on CS-551-MJ	-	2	--	4	15	35	50
	CS-555-MJP	Lab course on CS-552-MJ	-	2	--	4	15	35	50
Major Elective	CS-560-MJ	Full Stack Development - I	2	-	2	--	15	35	50
	CS-561-MJP	Lab Course on CS-560-MJ	-	2	--	4	15	35	50
	OR								
	CS-562-MJ	Web Services	2	-	2	--	15	35	50
	CS-563-MJP	Lab Course on CS-562-MJ	-	2	--	4	15	35	50
	OR								
	CS-564-MJ	ASP.NET Programming	2	-	2	--	15	35	50
CS-565-MJP	Lab course on CS-564-MJ	-	2	--	4	15	35	50	
On Job Training	CS-581-OJT	On Job Training/Internship (120 Hours)	-	4	-	-	30	70	100
Total			12	10					

Savitribai Phule Pune University
Syllabus Structure as per NEP Guidelines
M. Sc. (Computer Science) from 2023-24

SEMESTER IV

Course Type	Course code	Course Name	Credits		Teaching Scheme Hrs/Week		Examination Scheme and Marks		
			TH	PR	TH	PR	CE	EE	Total
Major Core	CS-651-MJP	Full Time Industrial Training (IT)	-	12	-	-	90	210	300
Major Elective	CS-652-MJ	Online/MOOC (Elective Courses List)	4	-	-	-	30	70	100
Research Project	CS-681-RP	Research Project Work (180 hrs)	-	6	-	-	45	105	150
Total			4	18					

Abbreviations

CS	Computer Science	MJ	Major Theory
RM	Research Methodology	MJP	Major Practical
OJT	On Job Training	RP	Research Project
TH	Theory	PR	Practical
CE	Continuous Evaluation	EE	End semester Evaluation
MOOC	Massive Open Online Course		

Savitribai Phule Pune University

M.Sc. Computer Science (2023)

CS-581-OJT : On Job Training (Internship)

No. of Credits: 4	Total Duration 120 Hours	Examination Scheme Continuous Evaluation: 30 Marks End Semester : 70 Marks
<p>Objectives</p> <ul style="list-style-type: none"> • To provide students with practical, hands-on-experience in applying theoretical knowledge to real-world tasks • To help students develop and enhance their skills, problem solving abilities and work culture of the industry • To foster effective teamwork and collaboration skills • To encourage students to build and expand their professional network by interactive with experienced experts and mentors in industry 		
<p>Course Outcomes</p> <p>On Completion of this course, student will be able to -</p> <p>CO1: Enhance the knowledge related to various tools and technologies used in industry CO2: Improve the ability to solve complex problems independently and creatively CO3: Effectively utilize critical thinking and analytical skills in tackling real world challenges CO4: Effectively communicate and collaborate skills through interaction with team members and mentors. CO5: Get an experience in working on projects or related working within industry CO6: Develop the ability to document process, design, implementation and testing CO7: Familiar with specific industry domain relevant to internship CO8: Complete projects and tasks as per the predetermined objectives</p>		
Sr. No.	Guidelines for On Job Training (OJT)	
1	Student must start the OJT/Internship immediately after semester-II examination during the summer vacation	
2	Student are expected to complete the IT related work/project within 120 hours assigned by organization (company/ industry/ consultancy/ institution)	
3	The internship work may involve the IT related assignment(s) OR the maintenance of existing project OR the design/development of new project OR equivalent work	
4	College should assign the mentors/guides for students to monitor the progress throughout the OJT	
5	Students have to submit the weekly progress report duly signed by the concern authorities of organization to the assigned mentor	
6	At the end of OJT, students should prepare the documentation and submit a report to the college in prescribed format	
7	After completion, the final presentation and documentation will be evaluated by the examination panel as per the University norms	

**Front Page
College Certificate
Company Certificate
Index**

OJT Report Details:

1) Learning objectives

Every OJT comes with learning objectives, something you want to gain and acquire from that company. Hence, listing down the knowledge and skills will allow the employers/directors to know if you've accomplished your learning objectives upon finishing the OJT

2) Company information

B.I.G Media (Groww Valley) was founded in year 2022 with the vision to Groww big and conquer the market. The company's mission is to achieve all the targets. B.I.G Media (Groww Valley) plays an important role in the Influencer Marketing industry. I chose to OJT in this organization because I want to contribute to their mission which is aligned and relevant to my career goals.

3) OJT description

My role at B.I.G Media (Groww Valley) was to analyze data & operations. I worked directly with the data analysis and operation analysis in ensuring market, data & business intelligence responsibilities.

4) Position and OJT responsibilities / Assignments done

5) Learning, challenges, and skills while doing OJT

6) Overview of OJT experience

During my OJT with B.I.G Media (Groww Valley), I was able to experience working first-hand with the raw & delicate data, and through that, I'm able to develop my communication, well-versed in statistics, handle preprocessing with programming languages, work with data & navigation database, extract information data & turn it into insights, getting better at data mining and data quality. I found out that my Skills are useful in solving issues related to data & operation analysis. Although I am considered to be less experienced with issues you've faced, I'm able to solve the problems with the help of my team by describing how you apply the skills you've acquired.

7) Outgoing consideration

While I've gained many experiences and skills at the B.I.G Media (Groww Valley), I feel that I'm still lacking the confidence to solve statistical tasks. If I'm allowed more time to learn and participate at the aspects of the Data analyst, I would be able to polish my skills more in solving the tasks.

8) Observation & Findings

- a. Front end tool used
- b. Back end tools used
- c. Tools used other than curriculum
- d. Code of conduct
- e. Employment process
- f. Appraisal process

- g. Areas where you need improvement**
- h. What is your leaning / outcome of OJT.**



Index No.	Title	Page No.
1.	Learning Objectives	
2.	Company Information	
3.	OJT Description	
4.	Position and OJT Responsibilities / Assignments Done	
5.	Learning, Challenges, and Skills while doing OJT	
6.	Overview of OJT Experience	
7.	Outgoing Consideration	
8.	Observation & Findings	



Year	Names of students	
F.Y. M.Sc. (CS) Total = 56	JADHAV ROSHAN MILIND	NAIK MANDAR RAJESH
	YADAV ATHARV KISHOR	VARTAK UDAYAN KAUSTUBH
	PRAJWAL PRAVIN PAWAR	SHIRKE DIPALI SANDEEP
	ATHARVA MAHAVIR SALVE	SIDDHI SANJAY SHIVILKAR
	DEVGHARKAR PRANAV MAHESH	TAVNOJI ADITYA ARJUN
	RUSHIKESH SANDIP BHAGAT	KUL SAKSHI RAMBHAU
	SANCHIT VIKAS BHOSALE	PORE MRUDULA JITENDRA
	KAKADE PRADNYA PRAKASH	SALUNKHE RUSHIKESH GAJANAN
	CHAVAN ADITI SHRIRAM	PATHARE OM ANNASAHEB
	ASHTEKAR HARSH KISHOR	GHSARE VAISHNAVI HIRAMAN
	NIRAVANE ANISH PRADEEP	MANDLIK AVISHKAR VILAS
	MARATHE SHLOK DHANANJAY	SHINDE VAIBHAVI DATTATRAY
	KOKARE SAMRUDDHI BALKRISHNA	KHOPADE RUTUJA SUDHAKAR
	KHOPADE SAMRUDDHI SACHIN	BANEKAR SAIF NASIR
	TARU KOMLIKA KAILAS	PAWAR ROHAN SUJIT
	RANE SHREYA SANJAY	VELHAL ASHISH UMESH
	SHINDE PARTH SANJAY	SANSKRUTI SANJAY PASALKAR
	SATPUTE NIKHIL NANDKISHOR	DHEKANE VARAD RUSHIKESH
	PHAPALE SAI RAJESH	BHOSALE TEJAS TANAJI
	THOMBRE PRANAV PRASHANT	YADAV ANKITA SANJAY
	NIMBALKAR SIDDHANT NITIN	CHALKE SANCHIT JALINDER
	LADKAT ESHITA SUJIT	CHAVAN TEJASWINI RAVINDRA
	MHAMANE VAIBHAV NAGESH	BHANDARI LAVANYA VINAYAK
	WAGHMARE SHRUSHTI SANTOSH	GURUD AISHWARYA SANTOSH
	ATHARVA SACHIN SAMINDRE	GANESH SUNIL MOHITE
	PRATHMESH VAIJINATH RAUT	GHONGADE ABHISHEK VASANT
BHALSING AKANKSHA RAJENDRA	GAIKWAD PUSHKARAJ SANJAY	
MALI OMKAR SIDRAM	KUNJIR ADITYA NITIN	

7.4 ATTENDANCE SHEET

Name and Address of the Company/ Institute/organization:

Name of the Student	Sanchit Jalinder Chalke
Roll Number	08/ 2075
Name of Course	FY.M.SC(Computer Science)
Date of Commencement of Training	14/09/2023
Date of Completion of Training	15/12/2023

MONTH AND YEAR:

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	Present	Present	Present	Present	Present	Present
2	Present	Present	Present	Present	Present	Present
3	Present	Present	Present	Present	Present	Present
4	Present	Present	Present	Present	Present	Present
5	Present	Present	Present	Present	Present	Present
6	Present	Present	Present	Present	Present	Present
7	Present	Present	Present	Present	Present	Present
8	Present	Present	Present	Present	Present	Present
9	Present	Present	Present	Present	Present	Present
10	Present	Present	Present	Present	Present	Present
11	Present	Present	Present	Present	Present	Present
12	Present	Present	Present	Present	Present	Present

- Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Name and Signature with date of Internship Supervisor: Samay Kirad (Co-Founder)

Samay Kirad

PROPRIETOR

7.5 SUPERVISOR EVALUATION FORMAT (ON ORGANIZATION LETTER HEAD)

Student's name:	Sanchit	Chalke
Name of the Supervisor:	Samay	Kirad
Internship Duration:	From:14/09/23	To:15/12/23

Please evaluate intern by indicating the frequency with which you observed the following parameters: (Note: Below mentioned parameters may be changed at the department/faculty wise depending upon the requirement of the subject or the discipline.)

Parameters	Needs Improvement	Satisfactory	Good	Excellent
Behavior				✓
Performs in a dependable manner				✓
Cooperates with co-workers and supervisors				✓
Shows interest in work				✓
Learns quickly			✓	
Shows initiative				✓
Produces high quality work			✓	
Accepts responsibility			✓	
Accepts criticism			✓	
Demonstrates organizational skills				✓
Uses technical knowledge and expertise				✓
Shows good judgment				✓
Demonstrates creativity/originality				✓
Analyzes problems effectively			✓	

Is self-reliant				✓
Communicates well				✓
Writes effectively			✓	
Has a professional attitude			✓	
Gives a professional appearance				✓
Is punctual				✓
Uses time effectively				✓

Overall performance of student intern (circle one):

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any:

Signature of Industry supervisor/ Institutional Head: Samay Kirad (Co-Founder)

GROWW VALLEY

Samay Kirad

PROPRIETOR

7.7 INTERNSHIP COMPLETION CERTIFICATE FOR REPORT

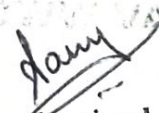
The student should attach internship completion certificate, duly signed by the industry supervisor to his/her report. A representative format for the internship completion certificate is as given below:

CERTIFICATE

(On Company/Institute Letterhead)

This is to certify that ~~Ms./Mr.~~ Sanchit, has successfully completed the On Job ~~training/Internship/Field~~ work in the Analyst field, from 14/09/23 to 15/12/23 under the supervision of Samay Kirad

GROUNDS VALLEY


Authorized signature

PROPRIETOR



Tayan Solutions

3rd Floor Lolage Corner, Karve Nagar Pune 411 052

F4m5e11

CERTIFICATE

This is to certify that Ms./Mr. **Akanasha Rajendra Bhalsing**
has successfully completed the On Job training in the Information Technology field,
from: 1/April/2024 to : 30/April/2024 under the
supervision of Mr Himanshu Oza from TAYAN Solutions




Himanshu Oza
Authorized signature

7.7 PROFORMA FOR EVALUATION BY THE INSTITUTE

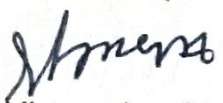
SUPERVISOR INFORMATION	
Name: Mr. Himanshu Oza	Contact Number : 9284127212
Job Title : SR. Manager	
Organisation's name : Tayan Solutions	Email : connect@tayansolutions.com
INTERNSHIP INFORMATION	
Student Name: Akanasha Rajendra Bhalsing	
Department: FYMSC CS	
Starting Date: 1 April 2024	Completion Date: 30 April 2024

S.no.	Particular	Grade
1	Quality and effectiveness of presentation	
2	Depth of knowledge and demonstrated skills	
3	Variety and relevance of learning experience	
4	Practical applications and relationships with concepts taught	
5	Internship Report	
6	Attendance record, student log, supervisor evaluation	

Overall Grade:

Additional Comment:

Signature of faculty mentor


Himanshu Oza
Signature of OJT Coordinator



7.5 Attendance Sheet

Name and Address of the Company/ Institute/organization: Tayan Solutions

Lolage Corner, Karve Nagar Pune – 411 052

Name of the Student	Akanasha Rajendra Bhalsing
Roll Number	
Name of Course	FYMSC CS
Date of Commencement of Training	1-Apr-2024
Date of Completion of Training	30-Apr-2024

MONTH AND YEAR: Apr/2024

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	A	A	A	A	A
2	A	H	A	H	A
3	A	A	H	A	A
4	A	A	A	A	A
5	A	A	-	-	-

Holidays should be marked in Red Ink in attendance column.

Absent should be marked as 'A' in Red Ink.

Note:

1. Daily minimum 7 hours working is compulsory.
2. No comp-off will be provided during OJT period.


Himanshu Oza



30/4/24

Name and Signature with date of Internship Supervisor

7.4 STUDENTS DIARY / ACTIVITY LOG

Week	Task Assigned	Activities Performed	Key Learnings	Additional Remarks
1	<ul style="list-style-type: none"> Prepare Role and Responsibilities matrix (IT). Describe essence of software engineering practices. Define attributes of good software. List Causes of software problems. 			
2	<ul style="list-style-type: none"> Define in-Scope, Future-Scope and Out-Scope from your project scope document. Prepare Requirement traceability matrix. 			
3	<ul style="list-style-type: none"> Discuss – Need of Agile and Comparison of Waterfall vs Agile. Schedule walkthrough sessions for Scope, Requirements and Design. 			
4	<ul style="list-style-type: none"> Prepare website like Wikipedia. Develop Front end using HTML, CSS, JS. Integrate Back end using JS and Fake JSON server. 			

Shravan
SIGNATURE OF INDUSTRY SUPERVISOR





Tayan Solutions

3rd Floor Lolage Corner, Karve Nagar Pune 411 052

7.6 SUPERVISOR EVALUATION FORMAT (ON ORGANIZATION LETTER HEAD)

Student's name:	Akanasha Rajendra Bhalsing	
Name of the Supervisor:	Himanshu Oza	
Internship Duration:	From : 1 April 2024	To: 30 April 2024

Please evaluate intern by indicating the frequency with which you observed the following Parameters: (Note: Below mentioned parameters may be changed at the department/faculty wise depending upon the requirement of the subject or the discipline.)

Parameters	Performance
Behavior	Good
Performs in a dependable Manner	Satisfactory
Cooperates with co-workers and supervisors	Good
Shows interest in work	Excellent
Learns quickly	Good
Shows initiative	Good
Produces high quality work	Satisfactory
Accepts responsibility	Good
Accepts criticism	Good
Demonstrates organizational Skills	Good
Uses technical knowledge and Expertise	Excellent
Shows good judgment	Satisfactory
Demonstrates creativity/originality	Good
Analyzes problems effectively	Satisfactory
Is self-reliant	Excellent
Communicates well	Satisfactory
Writes effectively	Good
Has a professional attitude	Good
Gives a professional appearance	Satisfactory
Is punctual	Good
Uses time effectively	Good

Overall performance of student intern (circle one): Good

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any: Demonstrated excellent time management.

Signature of Industry supervisor/ Institutional Head 



7.7 PROFORMA FOR EVALUATION BY THE INSTITUTE

SUPERVISOR INFORMATION	
Name: Mr. Himanshu Oza	Contact Number : 9284127212
Job Title : SR. Manager	
Organisation's name : Tayan Solutions	Email : connect@tayansolutions.com
INTERNSHIP INFORMATION	
Student Name: Atharava Sachin Samindre	
Department: FYMSC CS	
Starting Date: 1 April 2024	Completion Date: 30 April 2024

S.no.	Particular	Grade
1	Quality and effectiveness of presentation	
2	Depth of knowledge and demonstrated skills	
3	Variety and relevance of learning experience	
4	Practical applications and relationships with concepts taught	
5	Internship Report	
6	Attendance record, student log, supervisor evaluation	

Overall Grade:

Additional Comment:

Signature of faculty mentor



Himanshu Oza
Signature of OJT Coordinator



7.5 Attendance Sheet

Name and Address of the Company/ Institute/organization: Tayan Solutions

Lolage Corner, Karve Nagar Pune – 411 052

Name of the Student	Atharava Sachin Samindre
Roll Number	
Name of Course	FYMSC CS
Date of Commencement of Training	1-Apr-2024
Date of Completion of Training	30-Apr-2024

MONTH AND YEAR: Apr/2024

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	A	A	A	A	A
2	P	H	P	H	P
3	A	A	H	A	A
4	P	P	A	A	A
5	A	A	-	-	-

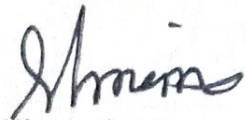
Holidays should be marked in Red Ink in attendance column.

Absent should be marked as 'A' in Red Ink.

Note:

1. Daily minimum 7 hours working is compulsory.
2. No comp-off will be provided during OJT period.




Himanshu Oza

30/4/24

Name and Signature with date of Internship Supervisor

7.4 STUDENTS DIARY/ ACTIVITY LOG

Week	Task Assigned	Activities Performed	Key Learnings	Additional Remarks
1	<ul style="list-style-type: none"> • Prepare Role and Responsibilities matrix (IT). • Describe essence of software engineering practices. • Define attributes of good software. • List Causes of software problems. 			
2	<ul style="list-style-type: none"> • Define in-Scope, Future-Scope and Out-Scope from your project scope document. • Prepare Requirement traceability matrix. 			
3	<ul style="list-style-type: none"> • Discuss – Need of Agile and Comparison of Waterfall vs Agile. • Schedule walkthrough sessions for Scope, Requirements and Design. 			
4	<ul style="list-style-type: none"> • Prepare website like Wikipedia. • Develop Front end using HTML, CSS, JS. • Integrate Back end using JS and Fake JSON server. 			

Mansur

SIGNATURE OF INDUSTRY SUPERVISOR





Tayan Solutions

3rd Floor Lolage Corner, Karve Nagar Pune 411 052

7.6 SUPERVISOR EVALUATION FORMAT (ON ORGANIZATION LETTER HEAD)

Student's name:	Atharava Sachin Samindre	
Name of the Supervisor:	Himanshu Oza	
Internship Duration:	From : 1 April 2024	To: 30 April 2024

Please evaluate intern by indicating the frequency with which you observed the following Parameters: (Note: Below mentioned parameters may be changed at the department/faculty wise depending upon the requirement of the subject or the discipline.)

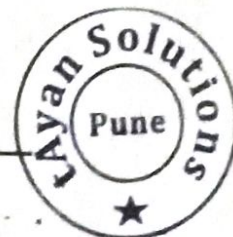
Parameters	Performance
Behavior	Good
Performs in a dependable Manner	Good
Cooperates with co-workers and supervisors	Good
Shows interest in work	Satisfactory
Learns quickly	Good
Shows initiative	Good
Produces high quality work	Satisfactory
Accepts responsibility	Satisfactory
Accepts criticism	Good
Demonstrates organizational Skills	Satisfactory
Uses technical knowledge and Expertise	Good
Shows good judgment	Satisfactory
Demonstrates creativity/originality	Good
Analyzes problems effectively	Satisfactory
Is self-reliant	Good
Communicates well	Good
Writes effectively	Good
Has a professional attitude	Good
Gives a professional appearance	Good
Is punctual	Good
Uses time effectively	Good

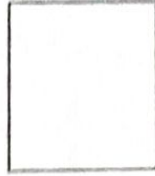
Overall performance of student intern (circle one): Good

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any: Demonstrated consistent dedication to delivering project work.

Signature of Industry supervisor/ Institutional Head Himanshu





P.V.G's COLLEGE OF SCIENCE & COMMERCE, PUNE.
Department of Computer Science

ON-JOB TRAINING CERTIFICATE

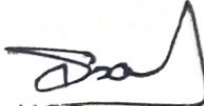
This is to certify that Navale of F.Y.M.Sc. (Computer Science), Semester-II has satisfactorily completed the -
Bhagyashri
On-Job Training/Internship under the course CS-581, in the academic year 2023-2024, as prescribed by Savitribai Phule Pune University.

The title of the project is

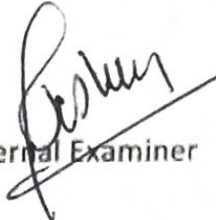
Student Management System.


14/6/24
OJT Guide & Internal Examiner




HOD


Industry Expert


External Examiner

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Bhagyashri Navale

For successfully completing project training in

Full stack Development

from 1 April 2024 - 30 April 2024

Shivay

TRAINER



Maniyan

HEAD

OJT Report Details:

1) Learning objectives

- **HTML** : UNDERSTANDING THE BASIC AND SEMANTIC HTML STRUCTURE.
- **CSS** : APPLY STYLES, SEMI RESPONSIVE DESIGN WITH GRID / FLEXBOX.
- **INTEGRATION** : CREATE COMPLETE FRONT END WEB PAGES COMBINING HTML, CSS, & JAVASCRIPT.
- **DEBUGGING** : UTILIZING THE BROWSER DEVELOPER TOOLS (INSPECT).
- **VERSION CONTROL** : UTILIZED GOOGLE DRIVE AS THE VERSION CONTROL.
- **SOFT SKILLS** : PROBLEM SOLVING, COLLABORATION, PROJECT MANAGEMENT SKILLS, CRITICAL THINKING.

2) Company information:

At Radiant IT Services, we understand Proficiency in technology has evolved from being a choice to becoming a necessity in today's context. Thus, we have developed a unique way to teach, train, and engage with technology. Our training blends hands-on practice with practical projects.

What makes us different is that we have established strategic partnerships with various IT companies in Pune and beyond, allowing our candidates to work on real-world projects and acquire the practical knowledge and skills the market seeks. We offer courses with a placement guarantee. One can attend both online classes and offline classes.

3)OJT description:

At Radiant Solutions, I was assigned the role of a designer and was also associated with the ongoing student management system project. In this project, I contributed to the team alongside my colleagues. I collaborated with my fellow colleague to design the dashboard screen and also designed the destination page screen and the registration page screen, incorporating enhancements required by my team lead and deemed necessary at the time. My contributions mainly focused on UI and UX enhancements.

4) Position and OJT Responsibilities/Assignments Completed:

I held the position of a designer and also served as the team lead for a period alongside a fellow colleague in the students records management system project. As a designer, my responsibilities included crafting designs for pages based on project requirements and ensuring timely delivery before our internal deadlines. I successfully completed all assigned design tasks within the specified.

timeframe. However, some designs required revisions to align with the requirements initially, but I ensured they were rectified and delivered promptly. During my tenure as the team lead, I distributed tasks evenly among team members, initiated a new phase (testing) that was pending, and conducted offline meetings with each team individually alongside my fellow team lead. These meetings aimed to clarify roles and responsibilities, allocate tasks, and set deadlines. As a result of our collaborative efforts, my team effectively mitigated the anticipated risks associated with the project.

3) Learning, Challenges, and Skills Gained During OJT:

Learnings: My OJT experience provided valuable insights into teamwork and fostering a positive work environment. I gained an appreciation for individual contributions and developed a deeper understanding of team coordination through practical application. Furthermore, I familiarized myself with project documentation, including project plans, test cases, RAID (risks, assumptions, issues, dependencies), scope documents, and release maps.

Skills: My soft skills significantly improved as I engaged in personal interactions with each team member, soliciting their input and integrating their perspectives into the project. I also honed my proficiency in HTML, CSS, and php through hands-on experience.

Challenges: Throughout the OJT, I encountered challenges such as meeting deadlines, fostering team cooperation, ensuring timely design template changes, and clarifying misunderstood requirements with the team to align everyone's understanding.

4) Overview of OJT Experience:

My experience working with Radiant It Solutions was immensely enriching, characterized by utmost professionalism and discipline. I am grateful to our mentors who served as guiding lights throughout this journey, especially considering this experience was entirely new to me. At the outset, I wasn't sure what to expect, but as my time with Radiant It Solutions unfolded, I realized it was akin to a roller coaster ride that we embraced positively. As we neared the completion of the project, I had developed the confidence to articulate my entire project experience in the Student Information System. I could explain what I accomplished, the challenges I faced, how I overcame them, the key learnings I gained, areas for improvement, the importance of collaboration, the significance of teamwork, and how to effectively allocate tasks to enhance performance and productivity. Additionally, I learned how to clarify uncertainties, approach problems, and anticipate possible outcomes.

5) Outgoing Considerations:

Given the continuous evolution of the IT industry, the experience gained will undoubtedly benefit both myself and my fellow colleagues, as we experienced firsthand the dynamics of project work in an IT organization. However, recognizing that this experience alone is not sufficient, I understand the need to refine my skills—both technical and soft skills, including

presentation abilities. Moreover, I must stay updated on technologies currently in demand in the market, such as automation (to reduce manual errors), AI, and Data Science. It is imperative to invest more time in practical project work to enhance my practical and critical thinking skills and problem-solving abilities. However, I must not neglect the theoretical aspects, as they provide the foundational understanding necessary for effective implementation in real-world scenarios.

6) Observation & Findings

a. Front end tool used : HTML 5, CSS

b. Back end tools used : php.

c. Code of conduct:

There was a clear code of conduct in place, ensuring that all team members maintained professional and ethical behaviour throughout their work .

d. Employment process:

The process involved :

Filling out company forms.

Selection and grouping of candidates.

Assigning tasks based on individual skills and preferences.

e. Appraisal process :

Regular group appraisals were conducted to assess performance and provide constructive feedback

f. Areas where you need improvement: TECHNICAL

g. What is your leaning / outcome of OJT. : Got hands-on training in design development, got to know about the UX along with its

implementation, improved my softskills, got to know about RAID(RISK ASSUMPTION ISSUE DEPENDENCY).

DOCUMENTATION INDEX

CONTENTS		
1.		Acknowledgement
	1.1	Acknowledgement
2.		Introduction
	2.1	Existing System and Need for System
	2.2	Hardware and Software Requirement
3.		Proposed System
	3.1	Proposed System
	3.2	Objective of System
	3.3	Fact finding technique
	3.4	Feasibility Study
4.		Analysis and design
	4.1	Entity Relationship Diagram(ERD)
	4.2	Class Diagram
	4.3	Use Case Diagram
	4.4	Activity Diagram
	4.5	Sequence Diagram
	4.6	Collaboration Diagram
	4.7	Screen Shot
5.		Advantages and Limitation
	5.1	Advantages
	5.2	Limitation
6.		Future Enhancement
	6.1	Future Enhancement
7.		Conclusion
	7.1	Conclusion
8.		Bibliography
	8.1	Bibliography

Analysis & Design

Data flow diagram themselves not describe all details about data flows . For investigation one more tool is used to support DFDs which is called as Data Dictionary . Data dictionary provides additional information about the system .DD is called as the catalog .

DD is an analysis tool that primarily records the information content of data . It stores definations of all data mentioned in DFD and in a process specification .

Table for Admin :

Field	Datatype
Id	Integer
Username	Varchar
Password	Varchar
CreationDate	timestamp
UpdationDate	Varchar

Courses :

Field	Datatype
CourseId	int
CourseName	varchar
CourseCode	varchar

Department :

Field	Datatype
Id	int
Department	Varchar
CreationDate	timestamp

Courseenrolls :

Field	Datatype
id	int
StaffRegno	varchar
Pincode	varchar
Session	int
Department	int
Semester	int
Course	int
enrolldate	timestamp
Marks	int

Staff :

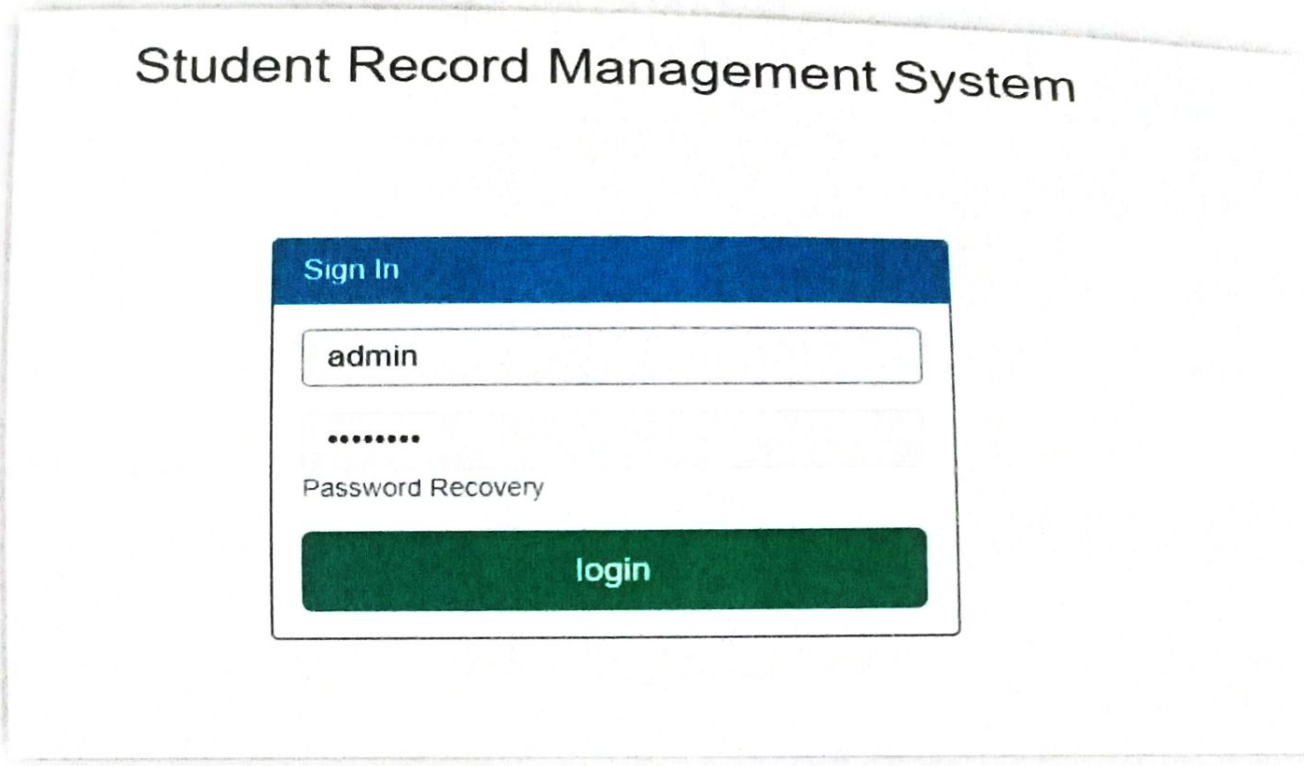
Field	Datatype
StaffRegNo	varchar
StaffPhoto	varchar
Password	varchar
StaffName	varchar
Pincode	varchar
Session	varchar
Department	varchar
Semister	varchar
CreationDate	timestamp
UpdateDate	varchar

Student :

Field	Datatype
Id	int
CourseCode	varchar
CourseName	varchar
SessionName	varchar
NoOfSeats	int
CreationDate	timestamp
UpdationDate	varchar

Screenshot :

Admin Login:



Admin Dashboard :



Add courses :

Student Management System

- Dashboard
- Course
 - Add Course
 - View
- Subject
- Register
- View Students
- Session
- Change Password
- Admin Profile
- Logout

WELCOME ADMIN

Add Course

Course Short Name:

Course Full Name:

Creation Date: 27-11-2023

Create Course

View course :

Student Management System

- Dashboard
- Course
 - Add Course
 - View
- Subject
- Register
- View Students
- Session
- Change Password
- Admin Profile
- Logout

WELCOME ADMIN

Manage Courses

Show 5 entries

S No	Short Name	Full Name	Created Date	Action
1	BSC(CS)	BACHELOR OF COMPUTER SCIENCE	27-11-2023	Edit Delete
2	MSC(CS)	MASTER OF COMPUTER SCIENCE	27-11-2023	Edit Delete
3	BBA	BACHELOR OF BOSSINESS ADMINISTRATION	27-11-2023	Edit Delete
4	BCA	BACHELOR OF COMPUTER APPLICATION	27-11-2023	Edit Delete
5	MCA	MASTER OF COMPUTER SCIENCE	27-11-2023	Edit Delete

Showing 1 to 5 of 5 entries

Search: [Filter](#)

Subject:

Student Management System

- Dashboard
- Course
 - Add Course
 - View
- Subject
 - Add Subject
 - View
- Register
- View Students
- Session
- Change Password
- Admin Profile
- Logout

WELCOME ADMIN

Add Subject

Course Short Name: SELECT

Subject 1

Subject 2

Subject 3

Subject 4

Add Subject

View Subject :

Student Management System

- Dashboard
- Course
- Subject
 - Add Subject
 - View
- Register
- View Students
- Session
- Change Password
- Admin Profile
- Logout

WELCOME ADMIN

View Course

Show 10 entries

S No	Course	Subject1	Subject2	Subject3	Subject4	Action
1	BACHELOR OF COMPUTER APPLICATION	C LANGUAGE	SOFTWARE ENGINEERING	DISCRETE MATHEMATICS	COMPUTER NETWORKS	Edit Delete
2	BACHELOR OF COMPUTER SCIENCE	DESCRIT MATHEMATICS	STATISTICS	ELECTRONIC	C	Edit Delete
3	MASTER OF COMPUTER SCIENCE	OPERATING SYSTEM	ADVANCED DATABASE	MACHINE LEARNING	AI/ML	Edit Delete

Showing 1 to 3 of 3 entries

Previous Next

Register:

WELCOME ADMIN

Register

Select Course:

Select Subject:

Current Session:

Personal Informations

First Name:

Last Name:

Guardian Name:

Family Income:

Physically Challenged:

Middle Name:

Gender: Male Female Other

Occupation:

Category:

Nationality:

Contact Informations

Mobile Number:

Country:

Email id:

State:

View Student:

Student Management System

- Dashboard
- Course
- Subject
- Register
- View Students
- Session
- Change Password
- Admin Profile
- Logout

WELCOME ADMIN

View Students

Show 10 entries

SNo	RegNo	Name	Email	Mobile No	Course	Subject	Action
1	5546276887	KOMAL RAMESH NAIKARE	KOMAL_NAIKARE_12@GMAIL.COM	9890025532	BSC(CE)	DESCRIT MATHEMATICS + STATISTICS + ELECTRONIC	Edit Delete

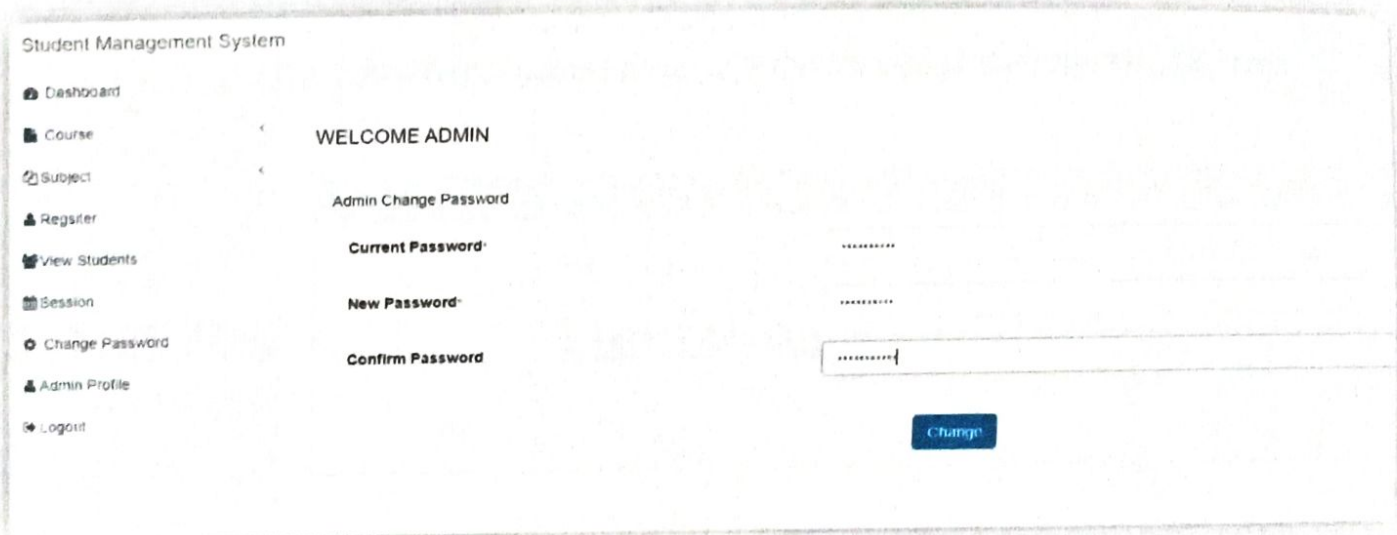
Showing 1 to 1 of 1 entries

Previous Next

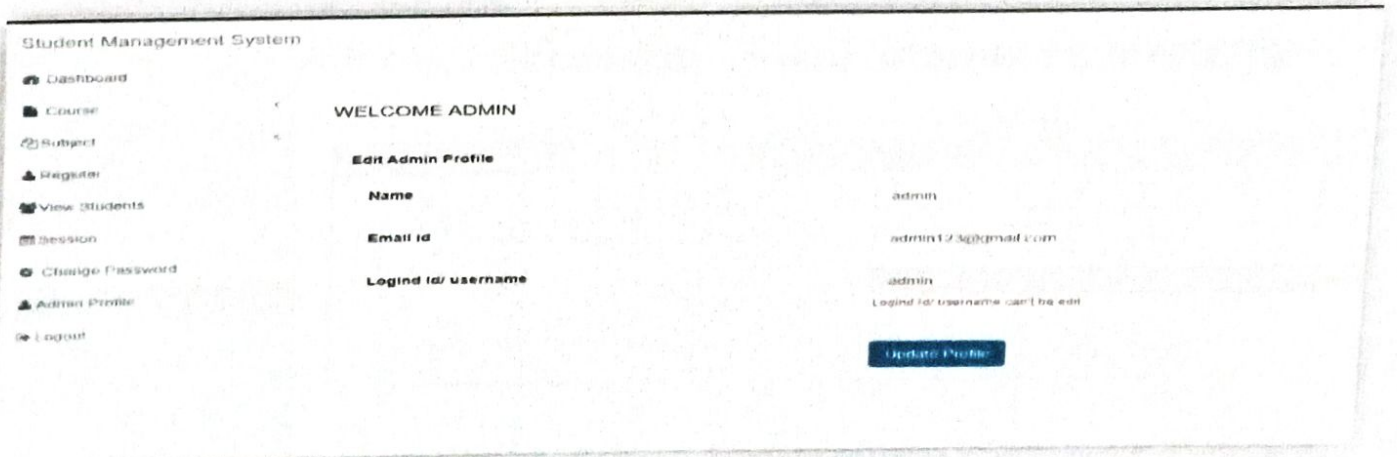
Session:



Change Password:



Admin profile:



Advantages

- Reduces the efforts.
- Improvement in the performance of the student .
- Increases the efficiency of the teachers .
- Parent centric .
- Improved communication .
- Reduces unnecessary manual labor and paperwork.
- Data security and accuracy .
- Cost-efficient .
- Parent can easily track the progress of their wards .
- Improve the productivity of student as well as the teachers .

Limitation

- User- interface. Complex-user interface may lead to increased difficulty in acceptance of the student record system among the school staff.
- Absence of good internet facility . Good internet connectivity is another major issue that needs to be addressed.
- User requirements.

Conclusion

- Hence we can conclude that the design phase of the Student record system give us the records of all the processes used in the project and their relation.
- This student record system has gives all the details of the application need to be built



Savitribai Phule Pune University

(Formerly University of Pune)

Two year M.Sc. Degree Program in Computer Science
(Faculty of Science & Technology)

M.Sc.- II (Computer Science)

Choice Based Credit System Syllabus
To be implemented from Academic Year
2020-2021

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment			
					IA	UE	Total	
II Year Sem-III	Core Compulsory Theory Paper	CSUT231	Software Architecture and Design Patterns	4	30	70	100	
		CSUT232	Machine Learning	4	30	70	100	
		CSUT233	Web Frameworks	4	30	70	100	
	Choice Based Optional Paper	CSDT234A	Big Data Analytics	2	15	35	50	
		CSDP234A	Big Data Analytics Practical	2	15	35	50	
		OR						
		CSDT234B	Web Analytics	2	15	35	50	
		CSDP234B	Web Analytics Practical	2	15	35	50	
		OR						
		CSDT234C	Project	2	15	35	50	
		CSDP234C	Project related Assignments	2	15	35	50	
Core Compulsory Practical Paper	CSUP235	Practical on CSUT231, CSUT232 and CSUT233	4	30	70	100		

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment		
					IA	UE	Total
II Year Sem-IV	Core	CSUIT241	Industrial Training /Institutional project	20	150	350	500

IA :- Internal Assessment, UE :- University Examination

M.Sc. Sem IV

CSUIT241 : Industrial Training /Institutional project Total Credits : 20

Teaching Scheme:
2 hours/week

The Industrial Training /Institutional project is equivalent to 5 theory courses of 4 credits each. Marks per 4 credits = 100. The total weightage for Industrial/Institutional training is 500 marks.

Workload :

1. One mentor to be assigned for 5 students.
2. 2 hours /week to be allotted for 5 students

Guidelines:

- Each student must individually complete **minimum 5 months** full time Industrial training / Institutional project in the 4th semester.
- College should assign a student mentor to every student. The mentor will monitor the progress of the student throughout the semester for continuous assessment.
- Student should submit a valid offer letter and synopsis within two weeks of starting the internship.
- There will be continuous assessment of the work done by the student during the internship period.
- Continuous assessment guidelines:
 1. Student should submit a weekly report in the college to the mentor.
 2. The report should contain the following details: Name of student, project title, company name, company mentor, daily activities and results/output, proposed work for next week.
 3. The weekly report should be duly signed by the student and company mentor/ institute guide (CM).
 4. Student Mentor should maintain weekly attendance record for every student.
 5. Two presentations should be conducted for each student (first presentation after first month and second presentation after 3rd month)
 6. Student Mentor should take feedback from the Company mentor regarding overall performance of the student.
- At the end of the internship period, each student should prepare a report which should conform to international academic standards.

- The report should follow the style in academic journals and books, with contents such as: abstract, background, aim, design and implementation, testing, conclusion and full references, Tables and figures should be numbered and referenced to in the report.

Examination and Evaluation guidelines

- The project done during internship period will be evaluated in the following manner:
IA - 150 marks + UE-350 marks.
- The final presentation and documentation will be evaluated by three examiners:
 1. Student mentor (appointed by respective college)
 2. External examiner (appointed by the University)
 3. IT expert (appointed by respective college)

IA (150 marks)				
Weekly Attendance	Weekly Reports	First Presentation	Second Presentation	Documentation
20	40	20	40	30

UE (350 marks)		
Mentor	IT Expert	External Examiner
100	125	125

Recommended Documentation contents:

Title page
Company / Institute certificate
Internship completion certificate

Abstract

Introduction

- motivation
- problem statement
- purpose/objective and goals
- literature survey
- project scope and limitations

System analysis

- Comparative study of Existing systems
- scope and limitations of existing systems
- project perspective, features
- stakeholders
- Requirement analysis - Functional requirements, performance requirements, security requirements etc.

System Design

- Design constraints
- System Model: UML diagrams
- Data Model

-User interfaces

Implementation details

-Software/hardware specifications, etc.

Reports

Testing

Test Plan, Black Box Testing or Data Validation Test Cases, White Box Testing or Functional Validation Test cases and results

Conclusion and Recommendations

Future Scope

Bibliography and References



Pune Vidyarthi Griha's

COLLEGE OF SCIENCE & COMMERCE

(Accredited by NAAC)

(Affiliated to Savitribai Phule Pune University & Approved by Govt. of Maharashtra)

S.No.44, Vidyanagari, Parvati, Pune- 411009

Telephone: (020) 2422 1484, Website: www.pvgcsc.ac.in

Date: 24/01/2024

NOTIFICATION

This is to inform all **S.Y.M.Sc. (Computer Science) & S.Y.M.Sc. (Computer Applications)** students that, as per SPPU guidelines and as a part of curriculum, each student must individually complete **minimum 5 months** full time Industrial training / Institutional project in the 4th semester (worth 20 credits) for the award of M.Sc. (Computer Science) & M.Sc. (Computer Applications) degree.

The students are required to go through detailed guidelines of Internal Evaluation (Continuous Assessment) & University Evaluation, that are given in the syllabus, which is available on SPPU website as well as College website (under Admissions tab).

IA (150 marks)				
Weekly Attendance	Weekly Reports	First Presentation	Second Presentation	Documentation
20	40	20	40	30

UE (350 marks)		
Mentor	IT Expert	External Examiner
100	125	125

As a part of Internal Evaluation, students **MUST** record their weekly attendance and submit weekly report in the college to the assigned mentor. Your Internal Evaluation will commence from Saturday 27/01/2024.

The students have to submit a valid offer letter and collect Weekly Report Format in the first week of Internal Evaluation (27/01/2024 to 03/02/2024 between 10.00 am & 4.00 pm). Irrespective of whether the students have started their internship or not, they have to report in the college once in a week.

The mentors will be assigned in the 2nd week of Internal Evaluation. Further instructions will be given by respective mentors.

PVG's College of Science & Commerce, Pune-9

Class :- S. Y. M. Sc. (Computer Science)

Sem - III

Subject: Internship Report

A.Y. 2023-24

Date:- 24/01/2024

Priyanka khutwad

Sr. No.	Name	29/12/24	30/12/24	01/2/24	28/1/24	01/02/24	02/13/24	22/3/24	1st presentation 30/3/24	30/4	Internship
1	BANDAL ASHUTOSH SHANKAR										
2	BHOSALE PRANALI SANDIP	Pranali	Pranali								
3	BODHALE GAURI UDAY	Gauri	Gauri								
4	BORA BHAVESH RAVINDRA								Class		✓
5	DEOLE NACHIKET ASHUTOSH	Nachiket	Nachiket						Nachiket		✓
6	DHAYARKAR SRUSHTI GANESH					Srushti			Srushti		✓
7	DHILPE ANKIT AMON		Ankit						Ankit		✓
8	DHORE AYUSH SOPAN								Ayush		✓
9	DIVYA DEEPAK GAIKWAD	Divya	Divya	Divya	Divya	Divya	Divya	Divya	Divya		✓
10	GAIKWAD TANAYA SUDHIR										✓
11	JADHAV KAMLESH RAMCHANDRA	Kamlesh	Kamlesh					Kamlesh	Kamlesh		✓
12	JAGTAP ATHARVA MILIND	Atharva	Atharva					Atharva	Atharva		✓
13	JOSHI VEDANGI ABHAY										✓
14	KADAM ATHARV SACHIN					Akadar					✓
15	KALANGE PRANOTI KRUSHNA					Pranoti					✓
16	KANK AKASH ATUL										✓
17	KARE AKANKSHA ASHOK	Akanksha	Akanksha				Akanksha	Akanksha	Akanksha		✓
18	KATVATE GAURAV RAJARAM	Gaurav	Gaurav		Gaurav		Gaurav	Gaurav	Gaurav		✓
19	KAVATHEKAR KUNAL SUJITKUMAR	Kunal	Kunal			Kunal			Kunal		✓
20	KHAIRMODE CHAITANYA HANMANT	Chaitanya	Chaitanya						Chaitanya		✓
21	KHALE GURURAJ MILIND	Gururaj	Gururaj			Gururaj			Gururaj		✓
22	KSHIRASAGAR SHIVANI										✓
23	KULKARNI AMOD ANAND		Amod			Amod			Amod		✓
24	METHI JAY RADHESHAM										✓
25	MHASAWADE SIDDHESH VIKAS	Siddhesh	Siddhesh						Siddhesh		✓
26	MITHILESH SANJAY ADHIKARI								Mithilesh		✓

62 Rutuja tambe
Pindis

Rutuja

✓

PVG's College of Science & Commerce, Pune-9

Class :- S. Y. M. Sc. (Computer Science)


Sem - IV

A.Y. 2023-24

Subject:


Internship Guidance

Name of Subject Teacher: **Priyanka khutwad**

Roll_no	Name	Assigned Mentor	Internship status	Weekly report status	Mentor Sign
FYMCS01	BANDAL ASHUTOSH SHANKAR	Prof. Priyanka Khutwad	Yes	Yes	
FYMCS02	BHOSALE PRANALI SANDIP		Yes	Yes	
FYMCS03	BODHALE GAURI UDAY		Yes	Yes	
FYMCS04	BORA BHAVESH RAVINDRA		Yes	Yes	
FYMCS05	DEOLE NACHIKET ASHUTOSH		Yes	Yes	
FYMCS06	DHAYARKAR SRUSHTI GANESH		Yes	Yes	
FYMCS07	DHILPE ANKIT AMON		Yes	Yes	
FYMCS08	DHORE AYUSH SOPAN		Yes	Yes	
FYMCS09	DIVYA DEEPAK GAIKWAD		Yes	Yes	
FYMCS10	GAIKWAD TANAYA SUDHIR		Yes	Yes	
FYMCS11	JADHAV KAMLESH RAMCHANDRA		Yes	Yes	
FYMCS12	JAGTAP ATHARVA MILIND		Yes	Yes	
FYMCS13	JOSHI VEDANGI ABHAY		Yes	Yes	
FYMCS14	KADAM ATHARV SACHIN		Yes	Yes	
FYMCS15	KALANGE PRANOTI KRUSHNA		Yes	Yes	
FYMCS16	KANK AKASH ATUL		Yes	Yes	
FYMCS17	KARE AKANKSHA ASHOK		Yes	Yes	
FYMCS18	KATVATE GAURAV RAJARAM		Yes	Yes	
FYMCS19	KAVATHEKAR KUNAL SUJITKUMAR		Yes	Yes	
FYMCS20	KHAIRMODE CHAITANYA HANMANT		Yes	Yes	
FYMCS21	KHALE GURURAJ MILIND		Yes	Yes	
FYMCS22	KSHIRASAGAR SHIVANI		Yes	Yes	
FYMCS23	KULKARNI AMOD ANAND		Yes	Yes	
FYMCS24	METHI JAY RADHESHAM		Yes	Yes	
FYMCS25	MHASAWADE SIDDHESH VIKAS		Yes	Yes	
FYMCS26	MITHILESH SANJAY ADHIKARI		Yes	Yes	

FYMCS61	Poonam Unale
FYMCS62	Rutuja Tambe
FYMCS63	Parth Kotawadekar

Prof. Priyanka Khutwad

	Yes	
Yes	Yes	
Yes	Yes	




Pune Vidyarthi Griha's
COLLEGE OF SCIENCE & COMMERCE







Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student:	<u>Rohit Devendra Pujari</u>
Project Title:	<u>BMI Calculator, Weather App, Password</u>
Company Name:	<u>Oasis Infobyte Technologies</u>
Company Mentor:	<u>Raghvendra Borse Sir</u>

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	03/01/24	Installation & Configuration of IDE VS-Code	Writing Logic of Project, Accepting Input from the User i.e Height in meters and weight in kilograms	
		Setting UP Environment		
		Creating Files and		
2	03/01/24	writing Code using Python programming language, Calling the specific Module for the project		
3	03/01/24	Fixing Errors and Solving Indentation Errors.	Deploying and pushing the project on the GitHub by creating a separate Repository for project on GitHub.	
	02/03/24	Wrote logic of the Project and accepted		

Sr. No.	Date	Daily activity	propose/d work for next week	Signature of College mentor
4		Input from Users Expected Outputs Observed, Getting Feedback		
	03/03/24	Implementing		
5		Those feedbacks and making changes in Project	Working on Two Different Projects 1) Weather App, 2) Random Password Generator	
	04/03/24	Pushed Project on Githubs by using Command-Line Interface		
6		Project Submission		
	04/03/24	Started working on Projects Weather APP		
7		using API & Random Password Generator using python prog. sampling.	Getting API Key from the weather website and implementing changes.	
	05/03/24	API Key Copied from the API		
8		Weather Website and Implemented in the code of weather app, Input	Working on Random Password Generator using python and Javascript.	
	06/03/24	from the user		
9		Random Password Generator project created using Javascript,	Pushing the all three projects on the Github and Final Submission.	
	07/03/24			

Pune Vidyarthi Griha's

COLLEGE OF SCIENCE & COMMERCE

Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student:

Kulkarni Amod Arund



Project Title:

Dowabag (phorum application)


Company Name:

Maestro intellect pvt Ltd.

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	1/01/24	Joining day	initializing phase	
	2/01/24	discussion with		
	3/01/24	Functional KT meet		
	4/01/24	presentation		
	5/01/24	code submission		
2	6/01/24	UI development	Rough structure designing	
	7/01/24	Home page		
	8/01/24	Admin page		
	9/01/24	login pages		
	10/01/24	Contact us page		

3	11/01/24	admin Function	modules back-end	
	12/01/24	Function-2		
	13/01/24	Function-3		
	14/01/24	Function-4		
4	15/01/24	Login authenti	User module back-end	
	16/01/24	Function-1		
	17/01/24	Function-2		
	18/01/24	Function-3		
	19/01/24	code submit		
5	20/01/24	Login autent	user-modu phase-2	
	21/01/24	validation		
	22/01/24	DB Connection		
	23/01/24	Database schema		
	24/01/24	Schema design		
6	25/01/24	Admin Conn	modules connectivity	
	26/01/24	user conne		
	27/01/24	Vendor conne		
	28/01/24	Admin to user		
	29/01/24	user to vendor		
7	1/02/24	product + addery	Back-end authentication	
	2/02/24	product insert		
	3/02/24	inventory manage		
	4/02/24	product insert		
	5/02/24	add to DB		
8	6/02/24	update query	updation stage.	
	7/02/24	deploy new produ		
	8/02/24	add description		

	15-02-21	Flow update	bug fixing	
	16-02-21	bug fixing.		
9	01/3/21	user module	deployment on github	
	02/3/21	admin query		
	03/3/21	bug fixing		
	05/03/21	query updates		
	05/03/21	code submission		




Pune Vidyarthi Griha's
COLLEGE OF SCIENCE & COMMERCE






Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student:	<u>Ankit A. Dhilpe</u>
Project Title:	<u>Travel Booking System & Blogging platform</u>
Company Name:	<u>Codsoft</u>
Company Mentor:	_____

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
		<u>Travel Booking System</u>		
1	12/3/24	Creating simple appealing layout with HTML, CSS & Bootstrap. (Home, Contact, About us).	Designing the Database schema for storing user & Booking info.	
	13/3/24			
2	15/3/24	Designed and registered the model with mongoose to use it our web App	Design database Schema for booking information of user.	
3	16/3/24	Designed schema for booking information of user.	Backend Development. Setting up server-side infra	

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
4	18/3/24	Using Node.js & Express for creating Server.	handling requests, processing bookings & connecting with API'S.	
	19/3/24	Setting up Routes (Home, /About, / /cont act)		
5	20/3/24	Handled, request, processing booking & con ⁿ with API'S	user Authentication	
	21/3/24	created login functionality & Authenticated		
6	22/3/24	Added search funn - " - - - -	Develop server side code.	
	23/3/24	Added search funn - " - - - - Blogging Platform Frontend: Built client side Interface with HTML, CSS, JS & Bootstrap		
7	24/3/24	Developed server-side code to handle user requests & mng blog data. (Node.js)	Add functionality for user create Blog & post.	
8	25/3/24	Enabling the user to create & post Blog posts.	Ensure it is responsive.	
	26/3/24	ReDesigned it with Bootstrap for Respo nsiveness.		
9				

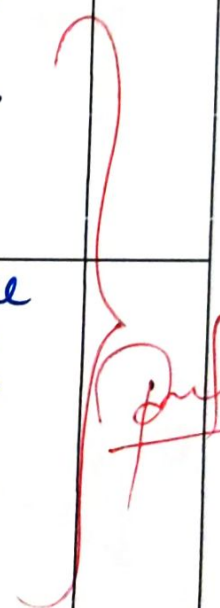
COLLEGE OF SCIENCE & COMMERCE

Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student:	Ankit. A. Shilpe
Project Title:	Automatic Question paper Generator
Company Name:	Tayan Solutions

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	24/3/24	started training in PHP language for developing	To decide UI of website for good user experience.	
	27/3/24	website in PHP.		
2	31/3/24	After discussing with Oxa sir, we decided to feature clean, minimalist design.	To develop the registration system in PHP	
	1/5/24	Key elements include a responsive layout, easy to read fonts, & Buttons.		

3	2/4/24	started developing login/registration system with help of other team members, by using different web resources like youtube, GfG.	To add different tables in database.
4	19/4/24	with the help of youtube applied class list table & course list which	To design Admin & user panel.
	21/4/24	contains id, userid, class id, course id, description, name. columns in it. To create course & class.	
5	30/4/24	To design Admin & user panel used bootstrap plugin called AdminLTE	To add two more pages in user Dashboard course list & class management
	2/5/24		
6	4/5/24	Designed class list index page	To add Toolbar to add questions in different format
	14/5/24	Added functionality to add & delete class	
	15/5/24	Designed course list index page	
	22/5/24	Added same functionality as class list.	
7	28/5/24	To add questions in different ways like questions with diagram expression, tables etc	
	3/6/24	we used Summernote	
8		toolbar plugin to add toolbar.	








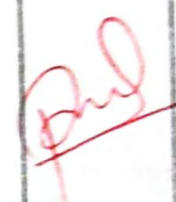

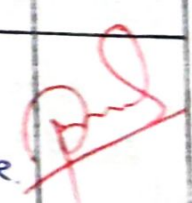

COLLEGE OF SCIENCE & COMMERCE

Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)Name of student: Kunal KavathekarProject Title: Health & FitnessCompany Name: Soft the NextCompany Mentor: Mrs. Gayatri Rajole

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	21/02/24	Start Designing a website simple Homepage	Design frontend for a project or website of your choice (Bikewale)	
	22/02/24	Add Header & Footer		
2	23/02/24	Design contact & gallery section	Create a new Project Health & Fitness	
	26/02/24	Design testimonial & slider		
	27/02/24	Start new Project Health & Fitness		
3	28/02/24	Create Homepage, header & Footer	Design login, registration, dashboard for the website	
	1/03/24	Create login & Register page		

Sr. No.	Date	Daily activity	propose.d work for next week	Signature of College mentor
4	4/03/24	Create gallery	Create database in MySQL work bench.	
	5/03/24	Create other sections		
	6/03/24	Create profile section		
	7/03/24	Setup config, env.		
	8/03/24	Setup package.json		
5	11/03/24	Setup routes & controllers	Setup all routes & controllers to the database	
	12/03/24	Update env		
	13/03/24	Create database in mysql.		
6	14/03/24	Create user model	Connect project to backend.	
	15/03/24	Create sequelize file for connection		
	18/03/24	Connect login & registration to backend.		
7	19/03/24	Create profile route & add profile api	Create social pages	
	20/03/24	-/-		
	26/03/24	Create Nutrition api		
8	27/03/24	Create user goal api.	Connect social to the database.	
	28/03/24	Create health metrics api		
	29/03/24	-/-		
9	1/04/24	Setup comments controller	Setup comments controller	
	2/04/24	Setup comments controller		




COLLEGE OF SCIENCE & COMMERCE

Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student: Kunal Kavathekar
 Project Title: Health & Fitness
 Company Name: Soft the Next
 Company Mentor: Mrs. Gayatri Rajole

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	21/02/24	Start creating website using React (Dummy)	Create a website of Health & Fitness (Frontend)	
	to			
	28/02/24			
2	3/04/24	Setup goal controllers	Setup goal & health metrics controllers	
	4/04/24	Setup health metric controllers		
	5/04/24	Setup health metric controllers.		
3	8/04/24	Setup profile controllers.	Setup profile controllers	
		Setup profile controllers.		
	9/04/24	Setup profile controllers.		




COLLEGE OF SCIENCE & COMMERCE


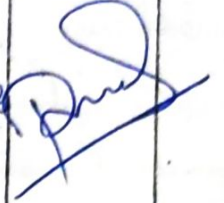

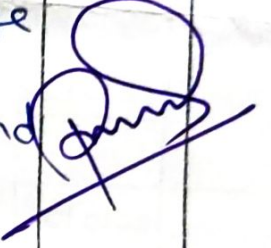
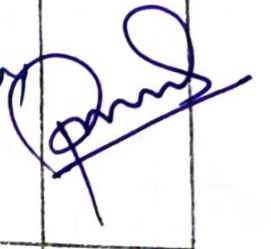

Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student:	<u>Dhanashree Sangale</u>
Project Title:	<u>Online Jewellery Store website</u>
Company Name:	<u>Saish Technologies Pvt. Ltd</u>
Company Mentor:	<u>Mr. Yash Mallaya</u>

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	20/2/24	Introduction to company & staff, info about working	Project Planning and software development related training	
	21/2/24	Personal development & skill development training		
	22/2/24	Interview skill develop ^{ment} training		
	23/2/24	Presentation skill and client interaction training		
2	26/2/24	Type of project developed previously & what platform used	Introduction to Project (name of project, technology, duration etc) & developing Project Plan	
	27/2/24	Project planning related training. Intro to project		
	28/2/24	Planning and essential steps involved in project plan		
	29/2/24	Study and analysis of previously done		
	1/2/24	Project / existing system		
3	4/3/24	Project introduction & task distribution between team	UML Diagrams and Database creation	
	5/3/24	Project planning		
	6/3/24			

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
4	11/3/24	} Project related research and requirement	1) Java JDK, Tomcat, eclipse Installation & configuration. 2) start with front end designing	
	12/3/24			
	13/3/24			
	14/3/24	} UML Diagrams		
	15/3/24			
5	18/3/24	Installation .	continue with frontend webpage and desig Programming	
	19/3/24	} Basic start of front end designing .		
	20/3/24			
	21/3/24			
6	26/3/24	} front end design Sign-up Page	continue with frontend webpage and Programming	
	27/3/24			
	28/3/24			
7	1/4/24	} designing web page for different Jewellery collection (Diamond)	design webpage for different types of diamond collection .	
	2/4/24			
	3/4/24			
	4/4/24			
8	8/4/24	} webpage for diff. diamond Jewellery (necklace, ring, bracelets, earring)	Similar to diamond Jewellery designing web page for Platinum	
	9/4/24			
	12/4/24			
9	15/4/24	Designing of Platinum webpage of Jewellery collection like (necklace, rings, brackets etc)	Designing Payment webpage .	
	16/4/24			
	18/4/24			
	19/4/24			




Pune Vidyarthi Griha's
COLLEGE OF SCIENCE & COMMERCE


Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
S.Y.M.Sc. (Computer Applications)

Name of student:	<u>Dhanashree Sangale</u>
Project Title:	<u>Online Jewellery store website</u>
Company Name:	<u>Saich Technologies Pvt. Ltd</u>
Company Mentor:	<u>Mr. Yash Mallaya.</u>

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1	22/4/24	} Payment webpage designing and solving errors	So designing code for search option and sorting according to jewellery collection	
	23/4/24			
	24/4/24			
	25/4/24			
	26/4/24			
2	1/5/24	} creating, sorting code to sort product to price	checking website and modifying according to Project mentor	
	2/5/24			
	3/5/24			
3	6/5/24	} Presenting website to mentor & modifying according to requirement & database creation.	continuing database creation using MySQL	
	7/5/24			
	8/5/24			
	9/5/24			

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
4	13/5/24	} creating database and connectivity using JDBC	Database creation and connectivity.	
	14/5/24			
	15/5/24			
	16/5/24			
	17/5/24			
5				
6				
7				
8				
9				

Proser Digital Solutions

Private & Confidential

23 Jan 2024

OFFER LETTER

Dear Siddharth Avinash Warule,

We are pleased to offer internship to you with ProSer Digital Solutions.

Your Cost to the Company (CTC) per annum is mentioned in Annexure-I. The components of your salary are provided in Annexure-I and would be governed by the company policy.

You will be on a probation period of 6 months, which may be extended by the management at its discretion. Based on your performance your services will be confirmed with the company in writing.

The organization will be investing an immense amount of effort, time, and money in your process of selection, inductions, training, skill enhancements and grooming to help you build a strong foundation for your professional career. This will be done through regular interactions/interventions with Leaders / Senior managers / Managers. Additionally, you will have access to Confidential Company / Client information & data and in some cases the business strategies. Hence to form a good basis for a better relationship between you & the organization and set an idea about expectations from each other we would expect you to be working with us for minimum period of 1 (one) year with the Company. During this period, if you do not continue your employment with the company, then you shall, on demand, pay the company a sum of Rs. 2,00,000/-. If anytime during this period, you do not show expected performance or remain absent without prior permission or misbehave, your service can be terminated by the Company by giving immediate notice.

Your appointment will be effective on or before **mentioned in Annexure-I**. Your initial place of work shall be **Pune**.

This offer is contingent upon the successful completion of your background check, which includes verification of documents as per **Annexure II**. This offer can be revoked anytime in case of any discrepancies found during the background check process based on the information /documents shared at the time of making an offer /joining.

Kindly sign and return a copy of this letter duly countersigned by you. We take great pleasure in welcoming you to our organization and sincerely hope that your period of service with us will be long, pleasant and of mutual benefit.

Yours sincerely,



Authorized Signatory

ANNEXURE - I

Date of Appointment : 18th Jan 2024

Name	Siddharth Avinash Warule	
Designation	Intern	
Workgroup	Technology	
CTC Break-up	Per Month(Rs)	Per Annum(Rs)
Basic	2,000	24,000
HRA	1,000	12,000
Project incentive	5,000	60,000
TOTAL GROSS (A)	8,000	96,000
TOTAL CTC		96,000

1. The annual appraisal cycle is Jan to Dec; eligibility is based on having completed a minimum of six months as of 1st Jan
2. Statutory Bonus (if applicable) is payable as per company policies and will be paid on a monthly basis.
3. Variable Performance Pay component/incentive (if applicable) is an indicative amount and is paid on achievement of objectives set in the form of KRAs and company performance & policies and prevailing market conditions.
 - Project incentives start after successfully clearing the client project interview.
4. Variable pay/Incentives/Bonus will be paid subject to you being on the rolls of the company on the date of disbursement & not serving a notice period.



Authorized Signatory

ANNEXURE II

DOCUMENTS REQUIRED AT THE TIME OF JOINING

- An updated resume
- Previous Employer's appointment letter, recent appraisal/Increment letter*
- Last three months' Pay Slip*
- Relieving Certificate from last Employer*
- 10th & 12th Mark sheets (Xerox Copies)
- Professional Certificates (Xerox copies)
- 4 recent Passport size Photographs
- 2 Copies Aadhar Card & PAN Card
- Cancelled Cheque/Account number
- Full contact details of 2 references

**Not mandatory in case you are joining as a fresher.*

Please note that this offer is contingent upon the successful completion of any background checks or other pre-employment requirements that may be applicable in your jurisdiction.

We are excited about the prospect of you joining our team and contributing your skills to our organization. At ProSer Digital Solutions, our mission is to revolutionize the way businesses harness the power of technology.

If you have any questions or require any further information, please do not hesitate to contact at hr@proserindustries.com.

Once again, congratulations on your offer of employment! We look forward to your positive response and welcoming you to the ProSer Digital Solutions family.

Javank



Aarush Quality Services

- 202 Chanakya Nagari Sinhgad Road, Pune 411 051
- 020 24486463, 24356243
- + 91 9168150406 / + 91 9765401320

Date : 17/04/2023

Offer Letter

To,

Mr. Parth Kotawadekar

Flat # 19, SNo 14/3/2 Ahire Gate, Shivane Pune

Further to your application and subsequent interview and your acceptance to the job, we are pleased to appoint you the position of **Trainee Developer and Data Analyst** our organization.

Your salary structure is as below

Gross salary - ₹ 12000/-p.m.

Incentives - ₹ 3000/- p.m. as per your performance (KPI).

Please give your confirmation of this offer letter in acceptance and join the duty from 24/4/2023.

Wishing you all the best.

Thanks and Regards,



Mrs. Smita H. Natu

Aarush Quality Services

Head Office : Flat No. 202, Chanakya Nagari, Sinhghad Road, Pune Maharashtra - 411051
Branch Office : Flat No 13, Krishana Kunj Apartmednt, Yado Gopal Peth, Satara Maharashtra-415002



CodSoft

Code.Create.Succeed

INTERNSHIP OFFER LETTER

Date : 21/08/2023

ID:CS07PB4240

Dear,

Kartavya Balasaheb Patankar

We would like to congratulate you on being selected for the "Java Programming" internship position with "CodSoft". We at CodSoft are excited that you will join our team.

The duration of the internship will be of **4 weeks**, starting from **25 August 2023 to 25 September 2023**. The internship is an educational opportunity for you hence the primary focus is on learning and developing new skills and gaining hands-on knowledge. We believe that you will perform all your tasks/projects.

As an intern, we expect you to perform all assigned tasks to the best of your ability and follow any lawful and reasonable instructions provided to you.

We are confident that this internship will be a valuable experience for you, we look forward to working with you and helping you achieve your career goals.

Best of Luck!

Thank You!

Founder (CodSoft)



MSME
MICRO, SMALL & MEDIUM ENTERPRISE
सूक्ष्म, लघु एवं मध्यम उद्यम

MSME Registered

www.codsoft.in
contact@codsoft.in



CERTIFICATE

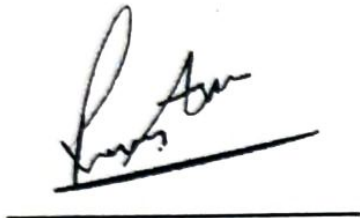
OF COMPLETION
PROUDLY PRESENTED TO

Kartavya Balasaheb Patankar

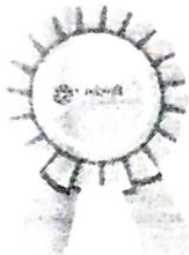
has successfully completed 4 weeks of a virtual internship program in
Java Programming

with wonderful remarks at **CODSOFT** from 25/08/2023 to 25/09/2023.

We were truly amazed by his/her showcased skills and invaluable contributions to
the tasks and projects throughout the internship.



Founder



Offer Letter

29 March 2024

Congratulations Kartavya Balasaheb Patankar !!

We would like to congratulate you on being selected for the "Java Developer Intern" Internship position with **LetsGrowMore**, effective from "1 April 2024". All of us at **LetsGrowMore** are excited that you will be joining our team! We hope you are elevated to start this innovational journey with us.

This Internship is viewed by **LetsGrowMore** as being an educational opportunity for you. As such, your internship will include orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in class. And, you will find yourself adjoining with numerous opportunities to refine and flaunt your skills.

Upon performing the internship, you acknowledge your obligation to perform all work allocated to you to the best of your ability and comply with all lawful and reasonable directions and instructions given to you. We look forward to an abiding and fruitful association with you and are sure that you will look back at your engagement with us as a gratifying experience.

Wishing you all the best!

Best Regards,
Team LetsGrowMore ❤️



Verify Here

CID- LGMVIPADWL0012032

Offer Letter

Issued on: 29 Jan 2024

Dear Sakshi Ganesh Sanas,

We are pleased to inform you that you have been selected for **Free Training & Placements**. Your online reporting schedule will be conveyed to you on your registered email id.

For verification purpose, you are requested to please send us the following through Email,

- 2 Passport size photo
- Scan copy of your College ID Card
- Pdf copy of this Offer letter
- 1 Govt ID proof. (Driving License / PAN card / AADHAR card)

ExcelR email id: e-cap@excelr.com

Following are the details for Job Profile

For:

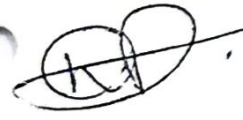
QA Automation (Selenium) / Manual Tester

Job Location : **PAN India**

Job Description

Job Profile: Jr.QA Engineer / QA Engineer
Position: QA Automation Tester (Selenium) / Manual Tester
Location: PAN India
Duration: 2 months of training and 100% Placement Assistance
Package*: 2.8LPA to 5LPA

Best Regards,


Shyam Narayan

Director



*Note : This offer is valid only when you satisfy all the criteria of the training and placement process.
Final Package depends on the interview performance.



OASIS INFOBYTE

INTERNSHIP OFFER LETTER

OIB/D1/IP6146

Dear Ajaypal Rajendrapal Tiwari

12/1/2023

We are delighted to welcome you for the internship of **Java Development** in our fellowship. This internship is observed by **Oasis Infobyte** as being a learning opportunity for you, spanning a duration of 1 month..

In essence, your internship will embrace orientation and give emphasis on learning new skills with a deeper understanding of concepts through hands-on application of the knowledge you gained as an intern. Our team is confident that you will acknowledge your obligation to perform all work allocated to you to the best of your ability within lawful and reasonable direction given to you.

We look forward to a worthwhile and fruitful association which will make you equipped for future projects. wishing you the most enjoyable and truly meaningful internship program experience.

Thank you
Team Oasis Infobyte



Ajush Chaudhary

Program Coordinator

 contact@oasisinfobyte.in

 www.oasisinfobyte.com





CodSoft

Code.Create.Succeed

INTERNSHIP OFFER LETTER

Date : 07/03/2024

ID:CS07PB16252

Dear,

Ankit Amon Dhillpe

We would like to congratulate you on being selected for the " **Web Development**" virtual internship position with " **CodSoft**". We at **CodSoft** are excited that you will join our team.

The duration of the internship will be of **4 weeks**, starting from **10 March 2024 to 10 April 2024**. The internship is an educational opportunity for you hence the primary focus is on learning and developing new skills and gaining hands-on knowledge. We believe that you will perform all your tasks/projects.

As an intern, we expect you to perform all assigned tasks to the best of your ability and follow any lawful and reasonable instructions provided to you.

We are confident that this internship will be a valuable experience for you, we look forward to working with you and helping you achieve your career goals.

By accepting this offer, you commit to executing assigned tasks diligently and ensuring excellence in all aspects of your work.

Best of Luck!

Thank You!

Founder (CodSoft)



MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सत्यं तपु एव मयम जगम

MSME Registered

 www.codsoft.in
 contact@codsoft.in



Offer Letter

25/11/2022

Mr. Amod Kulkarni

Dear Amod,

This has reference to your application dated 14/11/2022 and subsequent interview you had with us, for the position of "Full Stack Developer".

Location: Pune

Office Hours: 10:00 AM to 07:00 PM

Weekly off: Sunday

We are pleased to confirm the offer letter of employment for the above position on terms and conditions mutually discussed and agreed.

Your Joining Date will be in 25th November 2022 and your salary is 15,000/- per month. You will be given an additional support and facilities as and when required.

You are required to bring copy of the following

1. Latest passport size 4 photograph.
2. Service certificates of your previous jobs. (Appointment Letter, Experience Letter,)
3. Educational Qualification certificates (10th, 12th, Diploma, Graduation & Post Graduation mark sheet.)
4. Photo proof / ID Proof (PAN card / Driving License / voter ID)
5. Residence proof (Electric Bill ,Rent Agreement)

For
Maestro Intellect



Signature



Name - Rutik Ramesh Suryawanshi

Date - 28/01/2024

EMPLOYEE PROBATION LETTER

Dear Mr. Rutik Ramesh Suryawanshi,

We are pleased that you have chosen to accept our offer of employment for L1 Linux Administrator, and look forward to your first day of work on 01/02/2024. We believe you will find working at DevOps Services to be a rewarding experience.

DevOps Services uses a [180] day probation time frame for new employees. This time frame lets you assess your readiness for the position as well as allows us to determine your ability to do the job. You will be provided with an employee handbook, documentation, training and performance feedback during that time frame as part of your onboarding.

At the end of the probationary period, if we have confirmed that you are able to meet all job requirements, you will be eligible to receive all normal and customary benefits offered to regular employees as outlined below,

Job Location	: Thane (Mumbai)
Job Title	: L1 Linux Administrator
Job Type	: Consultant
Probation Duration	: 180 Working Days
Working Hours	: 9 hours in rotating shift
Monthly Salary after probation period	: Based on performance during probation period

We wish you great success in your new position.

Yours Sincerely,
DevOps Services

A handwritten signature in black ink, appearing to read 'Rutik', with a horizontal line underneath.

Designation: (Proprietor)

Date: 28/01/2024

I, **Rutik Ramesh Suryawanshi**, hereby acknowledge receipt of this letter.



www.devops.to



hr@devops.to



C/o, Awfis, Heerapanna
Business Center, Powai,
Mumbai- 400 076.



APPOINTMENT LETTER

Jan 15th, 2024

Mr. Gaurav Katawate

Address : A/P - Hajarmachi, Tal - Karad,

Dist - Satara, Maharashtra - 415105

Dear Gaurav,


Congratulations! Subsequent to the discussions we had with you recently, we are pleased to offer you an appointment in our organization. Please find the details below:

- Position:** Associate Software Engineer
- Date of Joining:** On or before Jan 15th, 2024
- Compensation:** Gross Compensation of Rs. 1,41,000/- (Rupees One Lakh and Forty One Thousand only) per year.
- Notice Period:** In case you resign from the service of Agasti Technologies Pvt Ltd, you will have to serve a notice period of two month before leaving the Organization. If you do not serve two month notice period, you will have to pay to the Company your two-month salary in lieu thereof.
- Probation Period:** Your probation period will be for six months starting from the date of your joining. However, this period can be cut short or extended based on the individual's performance and at the discretion of the management. If performance is not satisfactory or you get involved in unprofessional ethics, then Agasti Technology management will have full rights to terminate your services without notice or compensation.

If you choose to accept this job offer and comply with the terms and existing policies which are modified from time to time, we request you to confirm your acceptance by signing a copy of this letter and sending it across to us within 5 days, failing which this offer of employment is liable to be invalid.

Note: Please find the details of the terms & conditions of this offer attached. The details of which are strictly confidential and should not be shared with anyone.

We congratulate you on your appointment and wish you a long and successful career with Agasti Technologies Pvt. Ltd.

Sincerely,

(Director - ATPL)





CODTECH IT SOLUTIONS

INTERNSHIP OFFER LETTER

DATE :22/2/24

ID:COD3772

Dear Atharva Takawale

We would like to congratulate you on being selected for the "JAVA PROGRAMMING" internship position with "CODTECH IT SOLUTIONS". We at CODTECH IT SOLUTIONS are excited that you will join our team. The duration of the internship will be of 4 weeks[Remote, Unpaid] starting from "25th February 2024 to 25th March 2024".The internship is an educational opportunity for you hence the primary focus is on learning and developing new skills and gaining hands on knowledge.

We believe that you will perform all your tasks/projects. As an intern, we expect you to perform all assigned tasks to the best of your ability and follow any lawful and reasonable instructions provided to you.

We are confident that this internship will be a valuable experience for you, we look forward to working with you and helping you achieve your career goals.

Best of Luck!,

Thank You!



MSME
MICRO, SMALL & MEDIUM ENTERPRISES
LINKAGE TO THE FUTURE

G. Sravani

G.SRAVANI
Academic Head
CODTECH IT SOLUTIONS



AiVariant

Certificate

— of Internship —

This Certificate is Presented to

Kamlesh Ramchandra Jadhav

for successfully completing the internship
project through **Data Analytics**

from 04th Dec 2023 to 04th Mar 2024

Code: AIV/23-24/Q1/03/7636

05th Mar 2024

Date

C. S. Jadhav

Program Director





OASIS INFOBYTE

INTERNSHIP OFFER LETTER

OIB/M1/IP8254

1/3/2024

Dear ROHIT DEVENDRA PUJARI

We are delighted to welcome you for the internship of **Python Programming** in our fellowship. This internship is observed by **Oasis Infobyte** as being a learning opportunity for you, spanning a duration of 1 month..

In essence, your internship will embrace orientation and give emphasis on learning new skills with a deeper understanding of concepts through hands-on application of the knowledge you gained as an intern. Our team is confident that you will acknowledge your obligation to perform all work allocated to you to the best of your ability within lawful and reasonable direction given to you.

We look forward to a worthwhile and fruitful association which will make you equipped for future projects. Wishing you the most enjoyable and truly meaningful internship program experience.

Thank you
Team Oasis Infobyte

Ayush Chaudhary
Program Coordinator



contact@oasisinfobyte.in



www.oasisinfobyte.com





Date: 5th Dec '23

☎ +91 92260 27587
✉ mountainhighsolutionsofficial@gmail.com
🌐 www.MountainHighSolutions.com
📍 Gauri Bunglow Colony No.13, Sr.No. 37,
Kaleborate Nagar, Hadapsar, Pune 411028

Rutuja Palekar
Orlen Vill Society Lane no1,
Gadital Hadapsar,
Pune -412308

Dear Rutuja Palekar,

Subject: Appointment Letter

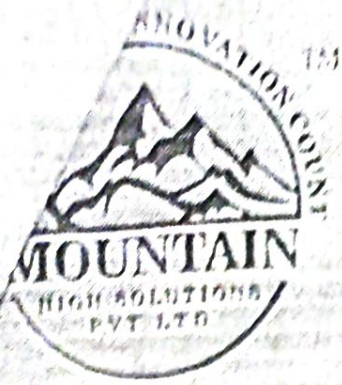
We are excited to offer you the position of **Software Developer** at MountainHigh Solution Pvt.Ltd, starting on 05th Dec'23

Your role will primarily involve below responsibilities

- Design, code, test, and maintain mobile applications, ensuring high performance, responsiveness, and reliability.
- Proficient in HTML, CSS, JavaScript.
- Work closely with cross-functional teams, including UI/UX designers, product managers, and quality assurance, to deliver high-quality software.
- Participate in and conduct regular code reviews to maintain code quality and ensure adherence to best practices.
- Troubleshoot, debug, and optimize code to resolve issues and improve application performance.

Keep abreast of industry trends, emerging technologies, and best practices to ensure our applications remain innovative and competitive.

Maintain comprehensive documentation for all code and projects, facilitating knowledge transfer and future development.



☎ +91 92269 27587

✉ mountainhighsolutionsofficial@gmail.com

🌐 www.MountainHighSolutions.com

📍 Gauri Bungalow Colony No.13, S21 No.37,
Kaleborate Nagar, Hadapsar, Pune 411028

- Develop and execute unit tests, Integration tests, and user acceptance tests to ensure the software meets specified requirements.
- Implement security best practices throughout the development process to safeguard user data and application integrity.
- Contribute to the development of scalable and maintainable software architecture.

Work closely with the management team to set and/or implement policies, procedures, and systems and to follow through with implementation. You will be working 9 Hrs at our office located at Park Vihar, Gauri Bangalow Hadapsar.

Your starting salary will be ₹20,000, along with standard company benefits.

Please note, there is a probation period of 3 Months.

We request you to confirm your acceptance of this offer by 07th Dec'23

We look forward to having you on our team!

Sincerely,

Anand Mardikar

COO

MountainHigh Solution Pvt Ltd



+91 92260 27587
mountainhighsolutionsofficial@gmail.com
www.MountainHighSolutions.com
Gauri Bunglow Colony No.13, Sr.No. 37,
Kaleborate Nagar, Hadapsar, Pune 411028

Annexure A: Salary Slip for ₹20,000 Salary
Employee Name: Miss Rutuja Palekar
Employee ID: MHS1116
Position: Software Developer
Department: Coding

Earnings	Amount (₹)	Deductions	Amount (₹)
Basic Pay	10000	Professional Tax	200
House Rent Allowance (HRA)	4000		
Conveyance Allowance	1600		
Medical Allowance	1,250		
Special Allowance	3,150		
Gross Earnings	20000	Total Deductions	200

Net Pay
19800

Acceptance:

I hereby acknowledge the receipt of the above salary slip and confirm that the information is accurate.

Candidate's Signature: Rutuja Palekar
Date: 06/12/2023

For MountainHigh Solutions Pvt.Ltd

COO's Signature: [Signature]
Date: 5th Dec '23



Pune Vidyarthi Griha's

COLLEGE OF SCIENCE & COMMERCE

(Accredited by NAAC)

(Affiliated to Savitribai Phule Pune University & Approved by Govt. of Maharashtra)

S.No.44, Vidyanagari, Parvati, Pune- 411009

Telephone: (020) 2422 1484, Website: www.pvgcsc.ac.in

NAAC - CYCLE 2 - SSR

M.Sc. (Computer Application) Project work / Internship details

**Faculty of Science & Technology
Savitribai Phule Pune University,
Pune**



**Syllabus for
FY M. SC. (Computer Applications)
(2023 Pattern)**

(With effect from A. Y. 2023-24)

STRUCTURE FOR M. Sc. (Computer Applications) 2023 Pattern AS PER NEP GUIDELINES

Abbreviations

TH: Theory
CE: Continuous Evaluation
CA: Computer Applications
ME: Mandatory Elective
OJT/FP: On-job Training / Field Project

PR: Practical
EE: End Semester Examination
MC: Mandatory Core
RM: Research Methodology
RP: Research Project

SEMESTER I

Level	Course Type	Course Code	Course Name	Teaching Scheme		Exam Scheme			Credits			
				TH	PR	CE	EE	Total	TH	PR	Total	
6.0	MC	CA 501 MJ	Database Systems and SQL	04	--	30	70	100	04	--	04	
		CA 502 MJ	Python Programming and Data Structures	04	--	30	70	100	04	--	04	
		CA 503 MJ	Operating Systems	02	--	15	35	50	02	--	02	
		CA 504 MJP	Lab course Based on CA 501 MJ & CA 503 MJ	--	04	15	35	50	--	02	02	
		CA 505 MJP	Lab course based on CA 502 MJ	--	04	15	35	50	--	02	02	
	ME	CA 510A MJ	Java Programming	02	--	15	35	50	02	--	02	
		CA 511 MJP	Lab Course based on CA 510A	--	04	15	35	50	--	02	02	
		OR										
		CA 512B MJ	Cloud Computing	02	--	15	35	50	02	--	02	
		CA 513B MJP	Lab Course based on CA 512B	--	04	15	35	50	--	02	02	
	RM	CA 531 RM	Research Methodology	04	--	30	70	100	04	--	04	
	Total				16	12	165	385	550	16	06	22

SEMESTER II

Level	Course Type	Course Code	Course Name	Teaching Scheme		Exam Scheme			Credits			
				TH	PR	CE	EE	Total	TH	PR	Total	
6.0	MC	CA 551 MJ	Web Technologies	04	--	30	70	100	04	--	04	
		CA 552 MJ	Introduction to Data Science	04	--	30	70	100	04	--	04	
		CA 553 MJ	Computer Networks	02	--	15	35	50	02	--	02	
		CA 554 MJP	Lab course based on CA 551	--	04	15	35	50	--	02	02	
		CA 555 MJP	Lab course based on CA 552	--	04	15	35	50	--	02	02	
	ME	CA 560A MJ	Advance Java Programming	02	--	15	35	50	02	--	02	
		CA 561A MJP	Lab Course on based on CA 560A MJ	--	04	15	35	50	--	02	02	
		OR										
		CA 562B MJ	C# .NET	02	--	15	35	50	02	--	02	
		CA 563B MJP	Lab Course on based on CA 562B	--	04	15	35	50	--	02	02	
	OJT/FP	CA 581 OJT/FP	Industry Internship/Field Project	--	--	30	70	100	--	04	04	
Total				12	12	165	385	550	12	10	22	

Savitribai Phule Pune University
First Year of Master of Computer Applications (2023 Course)

CA581 OJT/FP: Industry Internship / Field Project (FP)

Credits
04

Examination Scheme:
Continuous Evaluation: 30 Marks
End-Semester : 70 Marks

Course Objectives

- To provide students with an experience in working on projects or working within industry
- To inculcate Problem solving skills and work culture of the industry
- To foster team spirit
- To expose students with documentation used in industry

Course Outcomes

On Completion of this course, student will be able to –

- CO1: Make Use of tools used in industry
- CO2: Solve complex problems
- CO3: Effectively communicate and collaborate with team members and mentors.
- CO4: Demonstrate the ability to prepare documentation needed in the SDLC

Guidelines for Conduction of Industry Internship / Field Project

1. Faculty advisors / mentors shall decide whether a student shall work on industry internship or on a field project as per his/her plan/inclination at the beginning of the semester-II or earlier. The OJT may be carried out in physical or online form at the chosen industry.
2. Field Project should be strictly carried out under the guidance of the assigned faculty advisor / mentor. The assigned Faculty advisor / mentor shall monitor and track the OJT/FP
3. Internship / Field Project of 120 Hrs to be undertaken immediately after the end of SEM II examination and should be completed before the commencement of Semester III. However, Field Project may be undertaken during the semester II itself.
4. At the end of the industry internship / Field Project the student shall submit the report based on work undertaken during internship / Field Project as per prescribed format.
5. Student shall submit progress report on a periodic basis to Faculty advisor/ Mentor. Faculty advisor / mentor shall evaluate the work carried out by the student during internship / Field Project on a continuous basis for 30 marks.
6. The panel of examiners appointed shall evaluate the internship / Field Project based on submitted report and documentation for 70 marks.

**Front Page
College Certificate
Company Certificate
Index**

OJT Report Details:

1) Learning objectives

Every OJT comes with learning objectives, something you want to gain and acquire from that company. Hence, listing down the knowledge and skills will allow the employers/directors to know if you've accomplished your learning objectives upon finishing the OJT

2) Company information

B.I.G Media (Groww Valley) was founded in year 2022 with the vision to Groww big and conquer the market. The company's mission is to achieve all the targets. B.I.G Media (Groww Valley) plays an important role in the Influencer Marketing industry. I chose to OJT in this organization because I want to contribute to their mission which is aligned and relevant to my career goals.

3) OJT description

My role at B.I.G Media (Groww Valley) was to analyze data & operations. I worked directly with the data analysis and operation analysis in ensuring market, data & business intelligence responsibilities.

4) Position and OJT responsibilities / Assignments done

5) Learning, challenges, and skills while doing OJT

6) Overview of OJT experience

During my OJT with B.I.G Media (Groww Valley), I was able to experience working first-hand with the raw & delicate data, and through that, I'm able to develop my communication, well-versed in statistics, handle preprocessing with programming languages, work with data & navigation database, extract information data & turn it into insights, getting better at data mining and data quality. I found out that my Skills are useful in solving issues related to data & operation analysis. Although I am considered to be less experienced with issues you've faced, I'm able to solve the problems with the help of my team by describing how you apply the skills you've acquired.

7) Outgoing consideration

While I've gained many experiences and skills at the B.I.G Media (Groww Valley), I feel that I'm still lacking the confidence to solve statistical tasks. If I'm allowed more time to learn and participate at the aspects of the Data analyst, I would be able to polish my skills more in solving the tasks.

8) Observation & Findings

- a. Front end tool used
- b. Back end tools used
- c. Tools used other than curriculum
- d. Code of conduct
- e. Employment process
- f. Appraisal process

- g. Areas where you need improvement**
- h. What is your leaning / outcome of OJT.**



Index No.	Title	Page No.
1.	Learning Objectives	
2.	Company Information	
3.	OJT Description	
4.	Position and OJT Responsibilities / Assignments Done	
5.	Learning, Challenges, and Skills while doing OJT	
6.	Overview of OJT Experience	
7.	Outgoing Consideration	
8.	Observation & Findings	




Year	Names of students	
F.Y. M.Sc. (CA) Total = 41	RISHABH MAHADEV GAWADE	WADKAR RUTHVIK SURESH
	KAUSTUBH SURESH PALLOD	AKSHADA RAMDAS KAHADANE
	BANGALE VAISHNAVI ASHOK	TIVAREKAR JANHAVI PRAVEEN
	LAVANYA SUNIL CHAUDHARY	GHADAGE AMRUTA SANTOSH
	MUTHA KHUSHI ATUL	CHAVAN PRAJVAL UMESH
	ROHIT SATISH THEURKAR	BHOME ATHARV VISHNU
	KOMAL RAMCHANDRA DHUMAL	NAVALE BHAGYASHRI RAJU
	PALAVAKAR SHAILESH RAJENDRA	JADHAV SAYALI DINESH
	PATIL VIRAJ SANDESH	JAGTAP VISHWAJIT RAJKUMAR
	PATHAN WAHID MUNNA	KELKAR ATHARVA ABHIJIT
	POTEKAR YASH ANKUR	GOSAVI CHETAN GAJENDRA
	JADHAV NIKHIL SAMEER	DNYANESH SANDIP AGARKAR
	POL SAKSHI RAJU	DHOLE RAJ SHIVAJI
	BARGE AYUSH ABHIJEET	AWALE SEJAL SANJAY
	GANI SHAHFAISAL IJAINABI	YADAV GAURI KIRAN
	BORKAR RUTUJA RAJENDRA	MAHURKAR VAIBHAVI DEEPAK
	UPARE YOGESH MADHUKAR	GUJARATHI YASH PRASANNA
	SAWANT SHUBHAM SHANKAR	KUTWAD ADITYA RAHUL
	SURYAWANSHI ROHIT VASANT	ADHAV PALAVI MANOHAR
	KHIRSAGAR TANVI PRASAD	CHAVAN PREM NARAYAN
GAVALI CHINMAYEE CHETAN		

7. PROFORMAS/FORMATS FOR INTERNSHIP PROGRAMME

7.1 INTERNSHIP UNDERTAKING

1. Student Name:	Rohit Vasant suryawanshi
2. Current Address	501, Swastik Paradise Shivane, Pune
3. Residence Address	
4. Email id	rohitsuryawanshi2710@gmail.com
5. Mobile Nos.	9168737652
6. Aadhar	7017 8713 0739
7. PAN	LNDPS 1957 D
8. Overall GPA	
9. Internship /Area (Company/Institute)	Craita Technologies Pvt. Ltd.

I confirm that I agree with the terms, conditions, and requirements of the Internship Policy

Student Signature: 

Date 14/06/2024

I confirm that the student has attended the internship orientation and has met all paperwork and process requirements to participate in the internship program, and has received approval from his/her mentor.


14/06/24
Sign of Department Faculty Coordinator

Date :

7.3 STUDENTS DIARY/ ACTIVITY LOG

Week	Task Assigned	Activities Performed	Key Learnings	Additional Remarks
1	Wireframing	Created wireframes for homepage	Importance of user experience in navigation	Need to gather feedback from potential users
2	UI Design	Designed layout for main webpage	Importance of visual hierarchy	Consider incorporating pilgrimage imagery
3	Navigation Implementation	Implemented navigation menu	Importance of responsive design principles	Menu design needs refinement for smaller screens
4	Content Integration	Integrated text content for homepage	Importance of storytelling in engaging users	Content review needed for accuracy and relevance
5	Multimedia Integration	Added images and videos to webpage	Importance of multimedia in enhancing experience	Ensure media files are optimized for web
6	Responsive Design Testing	Tested website on various devices	Importance of cross-device compatibility	Addressed layout issues on mobile devices
7	Accessibility Check	Conducted accessibility audit	Importance of inclusivity	Addressed accessibility issues for improved
8	Performance Optimization	Optimized website loading speed	Importance of page load times for user retention	Considered caching and image compression techniques
9	Feedback Gathering	Collected feedback from users	Importance of user input in iterative design process	Identified areas for improvement based on user feedback
10	Iterative Design Updates	Implemented changes based on feedback	Importance of continuous improvement	Ready for another round of user testing
11	SEO Optimization	Optimized website for search engines	Importance of visibility in search results	Implemented metadata and structured data
12	Cross-Browser Testing	Tested website on different browsers	Importance of compatibility across browsers	Addressed compatibility issues for major browsers
13	Final Design Refinement	Fine-tuned design elements	Importance of attention to detail	Ready for final review before deployment
14	Performance Monitoring	Monitored website performance	Importance of ongoing performance optimization	Implemented tools for continuous monitoring

15	User Acceptance Testing	Conducted user acceptance testing	Importance of ensuring usability and satisfaction	Addressed usability issues identified during testing
16	Documentation	Documented front-end development	Importance of maintaining clear documentation	Documented design decisions and implementation details
17	Final Review	Reviewed website for final approval	Importance of meeting project requirements	Ready for handover to back-end development team
18	Handover	Handed over front-end to back-end team	Importance of collaboration between teams	Provided necessary documentation and support
19	Integration Testing	Tested front-end and back-end integration	Importance of seamless interaction between components	Addressed any compatibility issues between systems
20	Bug Fixing	Fixed bugs identified during testing	Importance of thorough testing	Ensured website functionality across all
21	Performance Optimization (continued)	Further optimized website performance	Importance of ongoing performance improvements	Implemented caching and minification strategies
22	Security Review	Conducted security audit	Importance of safeguarding user data	Addressed security vulnerabilities and implemented fixes
23	Final Testing	Conducted comprehensive testing	Importance of ensuring quality before deployment	Ready for deployment after final approval
24	Deployment	Deployed website to production	Importance of a smooth deployment process	Monitored website post-deployment for any issues



SIGNATURE OF INDUSTRY SUPERVISOR

7.4 ATTENDANCE SHEET

Name and Address of the Company/ Institute/organization:

Name of the Student	Rohit Vasant Suryawanshi
Roll Number	1125
Name of Course	Java Fullstack
Date of Commencement of Training	01/11/2023
Date of Completion of Training	30/04/2024

MONTH AND YEAR:

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	P	P	P	A	P	P
2	P	P	P	P	P	P
3	P	P	P	P	P	P
4	P	P	P	P	P	P
5	P	A	P	P	P	P
6	P	P	P	P	P	P
7	P	P	P	P	P	P
8	P	P	P	P	P	P
9	P	P	P	P	P	P
10	P	P	P	P	P	P
11	A	P	P	P	P	P
12	P	P	P	P	P	P
13	P	P	A	P	P	P
14	P	P	P	A	P	A
15	P	P	P	P	P	P
16	P	P	P	P	P	P
17	P	P	P	P	P	P
18	P	P	P	P	P	P
19	P	P	P	P	P	P
20	P	P	P	A	P	P
21	P	P	P	P	P	P
22	P	P	P	P	A	P

10	P	P	P	P	P	P
11	P	P	P	P	P	P

- Absences should be marked in Red ink in attendance column. Absent should be marked as 'A' in Red ink.

[Handwritten signature]

Name and Signature with Date of Issuance Supervisor _____

7.5 SUPERVISOR EVALUATION FORMAT (ON ORGANIZATION LETTER HEAD)

Student's name:	Rohit Vasant Suryawanshi	
Name of the Supervisor:	Vaihhav Barde	
Internship Duration:	From: 1/11/2023	To: 30/04/2024

Please evaluate intern by indicating the frequency with which you observed the following parameters: (Note: Below mentioned parameters may be changed at the department/faculty wise depending upon the requirement of the subject or the discipline.)


Parameters	Needs Improvement	Satisfactory	Good	Excellent
Behavior			✓	
Performs in a dependable manner				✓
Cooperates with co-workers and supervisors			✓	
Shows interest in work				✓
Learns quickly			✓	
Shows initiative			✓	
Produces high quality work			✓	
Accepts responsibility			✓	
Accepts criticism			✓	
Demonstrates organizational skills			✓	
Uses technical knowledge and expertise			✓	
Shows good judgment			✓	
Demonstrates creativity/originality		✓		
Analyzes problems effectively			✓	

Is self-reliant			✓	
Communicates well				✓
Writes effectively			✓	
Has a professional attitude			✓	
Gives a professional appearance			✓	
Is punctual			✓	
Uses time effectively			✓	

Overall performance of student intern (circle one):

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any:

Signature of Industry supervisor/ Institutional Head 

7.0 PROFORMA FOR EVALUATION BY THE INSTITUTE

SUPERVISOR INFORMATION	
Name:	Job Title
Organization's name	Contact Number
	Email
INTERNSHIP INFORMATION	
Student Name	Department
Starting Date:	Completion Date:

S.no.	Particular	Grade
1	Quality and effectiveness of presentation	A
2	Depth of knowledge and demonstrated skills	B
3	Variety and relevance of learning experience	A
4	Practical applications and relationships with concepts taught	B
5	Internship Report	A
6	Attendance record, student log, supervisor evaluation	B

Overall Grade: A

Additional Comment



Signature of faculty mentor



Signature of OJT Coordinator

June 13, 2024

Internship Certificate

This is to certify that **Mr. Rohit Vasant Suryawanshi**, a student of **Pune Vidhyarthi Griha College** was assigned a Project **Online Pilgrimage** in **Java** domain from **November 01, 2023 To April 30, 2024** has partially completed his Project with us.

He was involved in Software Development and Analysis as Team Member. During the period of project work with us, we found him sincere, obedient and hard-working.

We wish him all the best in his future endeavors.

For Cravita Technologies India Private Limited



Authorized Signatory



7. PROFORMAS/FORMATS FOR INTERNSHIP PROGRAMME

7.1 INTERNSHIP UNDERTAKING

1. Student Name:	Patil Viraj Sandesh
2. Current Address	Lane no.3, Anand Nagar, Hadapsar
3. Residence Address	
4. Email id	vp270401@gmail.com
5. Mobile Nos.	7219372019
6. Aadhar	5261 3379 9850
7. PAN	FZQPP5888D
8. Overall GPA	
9. Internship /Area (Company/Institute)	Cravita Technologies Pvt. Ltd.
I confirm that I agree with the terms, conditions, and requirements of the Internship Policy	
Student Signature: 	
Date <u>14/06/2024</u>	
I confirm that the student has attended the internship orientation and has met all paperwork and process requirements to participate in the internship program, and has received approval from his/her mentor.	
	
Sign of Department Faculty Coordinator	
Date :	

7.3 STUDENTS DIARY/ ACTIVITY LOG

Week	Task Assigned	Activities Performed	Key Learnings	Additional Remarks
1	Requirements Gathering	Conducted meetings with stakeholders	Importance of understanding user needs	Documented requirements for future reference
2	Database Design	Designed database schema	Importance of data organization and relationships	Considered scalability and data integrity constraints
3	User Management	Implemented user authentication system	Importance of user security and access control	Explored different authentication methods and protocols
4	Role-Based Access Control	Implemented role-based access control	Importance of granular control over user permissions	Defined roles and permissions based on user requirements
5	Dashboard Design	Designed admin dashboard layout	Importance of clear and intuitive user interfaces	Incorporated data visualization for better insights
6	Dashboard Development	Developed backend logic for dashboard	Importance of backend functionality for data retrieval	Integrated APIs for fetching and processing data
7	Data Management	Implemented CRUD operations for pilgrimage data	Importance of data consistency and integrity	Handled edge cases for data manipulation and validation
8	Reporting Module	Developed reporting module	Importance of analytics for decision-making	Created customizable reports for different user requirements
9	Email Notifications	Integrated email notification system	Importance of communication with users	Implemented email templates for various system events
10	Error Handling	Implemented error handling mechanisms	Importance of graceful error recovery	Logged errors for analysis and troubleshooting
11	Audit Logging	Implemented audit logging for actions	Importance of tracking user activity for accountability	Stored logs securely for compliance and auditing purposes
12	Performance Optimization	Optimized backend performance	Importance of efficient data processing	Utilized indexing and caching for faster query execution

13	Integration Testing	Tested admin module integration	Importance of seamless interaction with frontend	Ensured compatibility with frontend APIs and functionality
14	Security Enhancements	Implemented security patches	Importance of safeguarding against vulnerabilities	Conducted security scans and addressed identified issues
15	Documentation	Documented admin module functionalities	Importance of clear documentation for users and devs	Created user manuals and developer guides for reference
16	User Feedback Collection	Gathered feedback from admin users	Importance of user input for iterative improvements	Addressed usability issues based on user feedback
17	Continuous Monitoring	Implemented system monitoring mechanisms	Importance of proactive system maintenance	Set up alerts for system health and performance metrics
18	Scalability Planning	Developed scalability strategies	Importance of accommodating future growth	Prepared for increased user load and data volume
19	Bug Fixing	Resolved reported bugs	Importance of maintaining system stability	Prioritized and addressed critical bugs for immediate resolution
20	Feature Enhancement	Implemented additional features	Importance of evolving system functionality	Incorporated new requirements based on user feedback
21	Performance Tuning	Optimized system performance	Importance of ongoing performance improvements	Conducted load testing to identify and mitigate bottlenecks
22	Backup and Recovery	Implemented backup and recovery procedures	Importance of data protection and disaster recovery	Scheduled regular backups and tested recovery procedures
23	Final Testing	Conducted comprehensive testing	Importance of ensuring quality before deployment	Ready for deployment after final approval
24	Deployment	Deployed admin module to production	Importance of a smooth deployment process	Monitored system post-deployment for any issues



SIGNATURE OF INDUSTRY SUPERVISOR

7.4 ATTENDANCE SHEET

Name and Address of the Company/ Institute/organization:

Name of the Student	Patil Viraj Sandesh
Roll Number	1120
Name of Course	Fullstack developer
Date of Commencement of Training	01-11-2023
Date of Completion of Training	30-04-2024

MONTH AND YEAR:

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	P	P	P	A	P	P
2	P	P	P	P	P	P
3	P	P	P	P	P	P
4	P	P	P	P	P	P
5	P	A	P	P	P	P
6	P	P	P	P	P	P
7	P	P	P	P	P	P
8	P	P	P	P	P	P
9	P	P	P	P	P	P
10	P	P	P	P	P	P
11	A	P	P	P	P	P
12	P	P	P	P	P	P
13	P	P	A	P	P	P
14	P	P	P	A	P	P
15	P	P	P	P	P	A
16	P	P	P	P	P	P
17	P	P	P	P	P	P
18	P	P	P	P	P	P
19	P	P	P	P	P	P
20	P	P	P	A	P	P
21	P	P	P	P	P	P
22	P	P	P	P	A	P

17	P	P	P	A	P	P
18	P	P	P	P	P	P

- Children should be marked as Absent in attendance column. Absent should be marked as A in Roll
18.

Handwritten signature

Name and Signature with Date of Issuance Supervision _____

7.5 SUPERVISOR EVALUATION FORMAT (ON ORGANIZATION LETTER HEAD)

Student's name:	Patil Viraj Sandesh	
Name of the Supervisor:	Vaibhav Borde	
Internship Duration:	From: 01-11-2023	To: 30-04-2024

Please evaluate intern by indicating the frequency with which you observed the following parameters: (Note: Below mentioned parameters may be changed at the department/faculty wise depending upon the requirement of the subject or the discipline.)

Parameters	Needs Improvement	Satisfactory	Good	Excellent
Behavior			✓	
Performs in a dependable manner				✓
Cooperates with co-workers and supervisors			✓	
Shows interest in work				✓
Learns quickly			✓	
Shows initiative			✓	
Produces high quality work			✓	
Accepts responsibility			✓	
Accepts criticism			✓	
Demonstrates organizational skills			✓	
Uses technical knowledge and expertise			✓	
Shows good judgment			✓	
Demonstrates creativity/originality			✓	
Analyzes problems effectively			✓	

Is self-reliant			✓	
Communicates well				✓
Writes effectively			✓	
Has a professional attitude			✓	
Gives a professional appearance			✓	
Is punctual			✓	
Uses time effectively			✓	

Overall performance of student intern (circle one):

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any:

Signature of Industry supervisor/ Institutional Head _____



7.6 PROFORMA FOR EVALUATION BY THE INSTITUTE

SUPERVISOR INFORMATION	
Name:	Job Title
Organization's name	Contact Number
	Email
INTERNSHIP INFORMATION	
Student Name	Department
Starting Date:	Completion Date:

S.no.	Particular	Grade
1	Quality and effectiveness of presentation	A
2	Depth of knowledge and demonstrated skills	B
3	Variety and relevance of learning experience	A
4	Practical applications and relationships with concepts taught	B
5	Internship Report	A
6	Attendance record, student log, supervisor evaluation	B

Overall Grade: A

Additional Comment



Signature of faculty mentor



Signature of OJT Coordinator

7.7 INTERNSHIP COMPLETION CERTIFICATE FOR REPORT

The student should attach internship completion certificate, duly signed by the industry supervisor to his/her report. A representative format for the internship completion certificate is as given below:

June 13, 2024

Internship Certificate

This is to certify that **Mr. Viraj Sandesh Patil**, a student of **Pune Vidhyarthi Griha College** was assigned a Project **Online Pilgrimage** in **Java** domain from **November 01, 2023 To April 30, 2024** has partially completed his Project with us.

He was involved in Software Development and Analysis as Team Member. During the period of project work with us, we found him sincere, obedient and hard-working.

We wish him all the best in his future endeavors.

For Cravita Technologies India Private Limited

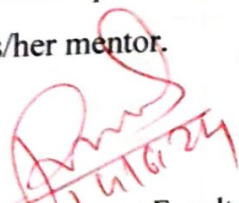


Authorized Signatory



7. PROFORMAS/FORMATS FOR INTERNSHIP PROGRAMME

7.1 INTERNSHIP UNDERTAKING

1. Student Name:	Tivarekar Janhavi Pravin
2. Current Address	Flat 8, New Era society, Marketyard
3. Residence Address	
4. Email id	jantivarekar040302@gmail.com
5. Mobile Nos.	7350356919
6. Aadhar	5487 5633 9410
7. PAN	CILPT3770R
8. Overall GPA	
9. Internship /Area (Company/Institute)	Cravita Technologies Pvt. Ltd.
I confirm that I agree with the terms, conditions, and requirements of the Internship Policy	
Student Signature: <u>Janhavi</u>	
Date <u>14/06/2024</u>	
I confirm that the student has attended the internship orientation and has met all paperwork and process requirements to participate in the internship program, and has received approval from his/her mentor.	
	
Sign of Department Faculty Coordinator	
Date :	

7.3 STUDENTS DIARY/ ACTIVITY LOG

Week	Task Assigned	Activities Performed	Key Learnings	Additional Remarks
1	Requirements Gathering	Conducted meetings with stakeholders	Importance of understanding user needs	Documented requirements for future reference
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4	Role-Based Access Control	Implemented role-based access control	Importance of granular control over user permissions	Defined roles and permissions based on user requirements
5	Dashboard Design	Designed admin dashboard layout	Importance of clear and intuitive user interfaces	Incorporated data visualization for better insights
6	Dashboard Development	Developed backend logic for dashboard	Importance of backend functionality for data retrieval	Integrated APIs for fetching and processing data
7	Data Management	Implemented CRUD operations for pilgrimage data	Importance of data consistency and integrity	Handled edge cases for data manipulation and validation
8	Reporting Module	Developed reporting module	Importance of analytics for decision-making	Created customizable reports for different user requirements
9	Email Notifications	Integrated email notification system	Importance of communication with users	Implemented email templates for various system events
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16	User Feedback Collection	Gathered feedback from admin users	Importance of user input for iterative improvements	Addressed usability issues based on user feedback
17	Continuous Monitoring	Implemented system monitoring mechanisms	Importance of proactive system maintenance	Set up alerts for system health and performance metrics
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19	Bug Fixing	Resolved reported bugs	Importance of maintaining system stability	Prioritized and addressed critical bugs for immediate resolution
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21	Performance Tuning	Optimized system performance	Importance of ongoing performance improvements	Conducted load testing to identify and mitigate bottlenecks
22	Backup and Recovery	Implemented backup and recovery procedures	Importance of data protection and disaster recovery	Scheduled regular backups and tested recovery procedures
23	Final Testing	Conducted comprehensive testing	Importance of ensuring quality before deployment	Ready for deployment after final approval
24	Deployment	Deployed admin module to production	Importance of a smooth deployment process	Monitored system post-deployment for any issues



SIGNATURE OF INDUSTRY SUPERVISOR

7.4 ATTENDANCE SHEET

Name and Address of the Company/ Institute/organization:

Name of the Student	Tivarekar Janhavi Pravin
Roll Number	1126
Name of Course	Fullstack Developer
Date of Commencement of Training	01-11-2023
Date of Completion of Training	30-04-2024

MONTH AND YEAR:

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	P	P	P	A	P	P
2	P	P	P	P	P	P
3	P	P	P	P	P	P
4	P	P	P	P	P	P
5	P		P	P	P	P
6	P	P	P	P	P	P
7	P	P	P	P	P	P
8	P	P	P	P	P	P
9	P	P	P	P	P	P
10	P	P	P	P	P	P
11	A	P	P	P	P	P
12	P	P	P	P	P	P
13	P	P	A	P	P	P
14	P	P	P	A	P	P
15	P	P	P	P	P	A
16	P	P	P	P	P	P
17	P	P	P	P	P	P
18	P	P	P	P	P	P
19	P	P	P	P	P	P
20	P	P	P	A	P	P
21	P	P	P	P	P	P
22	P	P	P	P	A	P

23	P	P	P	A	P	P
24	P	P	P	P	P	P

- Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.



Name and Signature with date of Internship Supervisor _____

7.5 SUPERVISOR EVALUATION FORMAT (ON ORGANIZATION LETTER HEAD)

Student's name:	Tivarekar Janhavi Pravin	
Name of the Supervisor:	Vaibhav Borde	
Internship Duration:	From: 01-11-2023	To: 30-04-2024

Please evaluate intern by indicating the frequency with which you observed the following parameters: (Note: Below mentioned parameters may be changed at the department/faculty wise depending upon the requirement of the subject or the discipline.)

Parameters	Needs Improvement	Satisfactory	Good	Excellent
Behavior			✓	
Performs in a dependable manner				✓
Cooperates with co-workers and supervisors			✓	
Shows interest in work				✓
Learns quickly			✓	
Shows initiative			✓	
Produces high quality work			✓	
Accepts responsibility			✓	
Accepts criticism			✓	
Demonstrates organizational skills			✓	
Uses technical knowledge and expertise			✓	
Shows good judgment			✓	
Demonstrates creativity/originality			✓	
Analyzes problems effectively			✓	

Is self-reliant			✓	
Communicates well				✓
Writes effectively			✓	
Has a professional attitude			✓	
Gives a professional appearance			✓	
Is punctual			✓	
Uses time effectively			✓	

Overall performance of student intern (circle one):

(Needs improvement / Satisfactory / Good / Excellent)

Additional comments, if any:

Signature of Industry supervisor/ Institutional Head _____

7.6 PROFORMA FOR EVALUATION BY THE INSTITUTE

SUPERVISOR INFORMATION	
Name:	Job Title
Organization's name	Contact Number
	Email
INTERNSHIP INFORMATION	
Student Name	Department
Starting Date:	Completion Date:

S.no.	Particular	Grade
1	Quality and effectiveness of presentation	A
2	Depth of knowledge and demonstrated skills	B
3	Variety and relevance of learning experience	A
4	Practical applications and relationships with concepts taught	B
5	Internship Report	A
6	Attendance record, student log, supervisor evaluation	B

Overall Grade: A

Additional Comment



Signature of faculty mentor



Signature of OJT Coordinator



Cravita Technologies India Private Limited
B-1, 2nd Floor, Abhinav Apartment, Beside Congress Bhavan,
Shivajinagar, Pune - 411005 | Contact No: +91 - 7083777567
Web: www.cravitaIndia.com

June 13, 2024

Internship Certificate

This is to certify that **Ms Janhavi Praveen Tivarekar**, a student of **Pune Vidhyarthi Griha College** was assigned a Project **Online Pilgrimage** in **Java** domain from **November 01, 2023 To April 30, 2024** has partially completed his Project with us.

He was involved in Software Development and Analysis as Team Member. During the period of project work with us, we found him sincere, obedient and hard-working.

We wish him all the best in his future endeavors.

For Cravita Technologies India Private Limited

Authorized Signatory



OJT REPORT



P.V.G's COLLEGE OF SCIENCE & COMMERCE, PUNE.
Department of Computer Science

ON-JOB TRAINING CERTIFICATE

This is to certify that LAVANYA SUNIL CHAUDHARY of
F.Y.M.Sc. (Computer Application), Semester-II has
satisfactorily completed the On-Job Training/Field Project
under the course CA-581, in the academic year 2023-
2024, as prescribed by Savitribai Phule Pune University.

The title of the project is

“Package App Development Assoc”

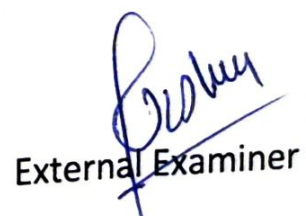

19/16/24

OJT Guide & Internal Examiner




HOD


Industry Expert


External Examiner

- **Contents of the Report :**

1. OJT certificate (College).
2. Learning objectives.
3. Company information.
4. OJT description.
5. Position and OJT responsibilities and assignments done.
6. Skills acquired.
7. Overview of OJT.

Company Information

Accenture is a leading global professional services company that helps the world's leading businesses, governments and other organizations build their digital core, optimize their operations, accelerate revenue growth and enhance citizen services—creating tangible value at speed and scale. We are a talent- and innovation-led company with approximately 742,000 people serving clients in more than 120 countries. Technology is at the core of change today, and we are one of the world's leaders in helping drive that change, with strong ecosystem relationships. We combine our strength in technology and leadership in cloud, data and AI with unmatched industry experience, functional expertise and global delivery capability. We are uniquely able to deliver tangible outcomes because of our broad range of services, solutions and assets across Strategy & Consulting, Technology, Operations, Industry X and Song. These capabilities, together with our culture of shared success and commitment to creating 360° value, enable us to help our clients reinvent and build trusted, lasting relationships. We measure our success by the 360° value we create for our clients, each other, our shareholders, partners and communities.

OJT Description

During my OJT, I had the opportunity to learn several interpersonal and programming skills that enhanced my experience in the field of PADA.

- Soft-skills, communication and listening skills.
- Email and message writing, Telephonic communication skills.
- AWS Sysops.
- Python.
- Oracle administration.
- DevOps Essentials.
- Virtualization.
- Storage basics.
- Linux Administration.

Position and OJT responsibilities / Assignments done

❖ Position : Package App Development Associate.

- Learnt professional Email writing and message writing.
- Designed a prototype of Website and app for Online grocery store.
- Gained theory and practical knowledge of AWS Sysops.
- Gained theory and practical knowledge of Python.
- Gained theory and practical knowledge of Oracle administration.
- Gained theory and practical knowledge of DevOps essentials.
- Gained theory and practical knowledge of Virtualization.
- Gained theory and practical knowledge of Storage Basics.
- Gained theory and practical knowledge of Linux Administration.

Domain	Training	Duration in days	Start Date	End Date
Datacenter - Linux & Cloud	AWS Sysops	3	8-May-24	10-May-24
Datacenter - Linux & Cloud	Python	3	13th May	15th May
Datacenter - Linux & Cloud	Oracle Administration	5	16th May	23rd May
Datacenter - Linux & Cloud	MCQ1 (Python+AWS Sysops+Oracle administration)		27th May	27th May
Datacenter - Linux & Cloud	DevOps Essentials	2	28th May	29th May
Datacenter - Linux & Cloud	Virtualization	3	31st May	4th June
Datacenter - Linux & Cloud	Storage Basics	2	5th June	6th June
Datacenter - Linux & Cloud	Linux Administration	5	7th June	13th June
Datacenter - Linux & Cloud	MCQ2 (Linux+Virtualization+Storage Basics + Devops Essentials)		17th June	17th June
Datacenter - Linux & Cloud	ASA Assessment (MCQ+Viva)		18th June	18th June

Certificate of Completion

This certificate shows that you have satisfied the completion requirements for this training. You may capture a screenshot or print this certificate for an additional record of your completion.



Course: When Harrie Met Will Part II || 50 First Takes
Name: Sunil Chaudhary, Lavanya
Date: 03/29/2024

QR Code (for myLearning administrative use only)

Your completion has been sent to myLearning. Please allow 24-48 hours for your completion to be processed. You may now close this window.

RESTART **EXIT**

Course: COBE Course 2: Leading with integrity

Name: Sunil Chaudhary, Lavanya

Date: 2024/3/29

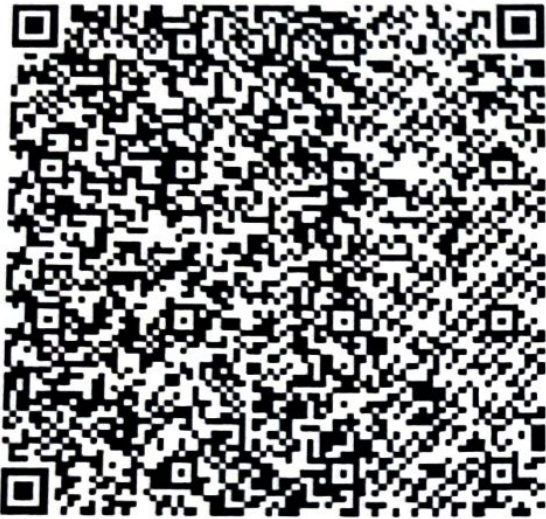
Print certificate

**You have completed your training. You may close the course.
Check your myLearning training history to confirm completion status.**

Note: Please allow 24 hours for a translated version of the course to record as complete in the myLearning Ethics & Compliance section.

Certificate of Completion

This certificate shows that you have satisfied the completion requirements for this training. You may capture a screen shot or print this certificate for an additional record of your completion.



Course: The Hacker Games

Name: Sunil Chaudhary, Lavanya

Date: 3/29/2024 11:12 AM

QR code (for myLearning administrative use only).

Your completion has been sent to myLearning.

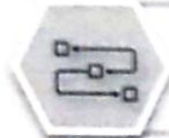
Software Development Life Cycle (SDLC) Models



Waterfall: linear and sequential



Iterative (Incremental): somewhat cyclical



Spiral: top-down and bottom-up



V-shaped: early testing



Agile: most popular and includes several iterations

SDLC Model Comparison

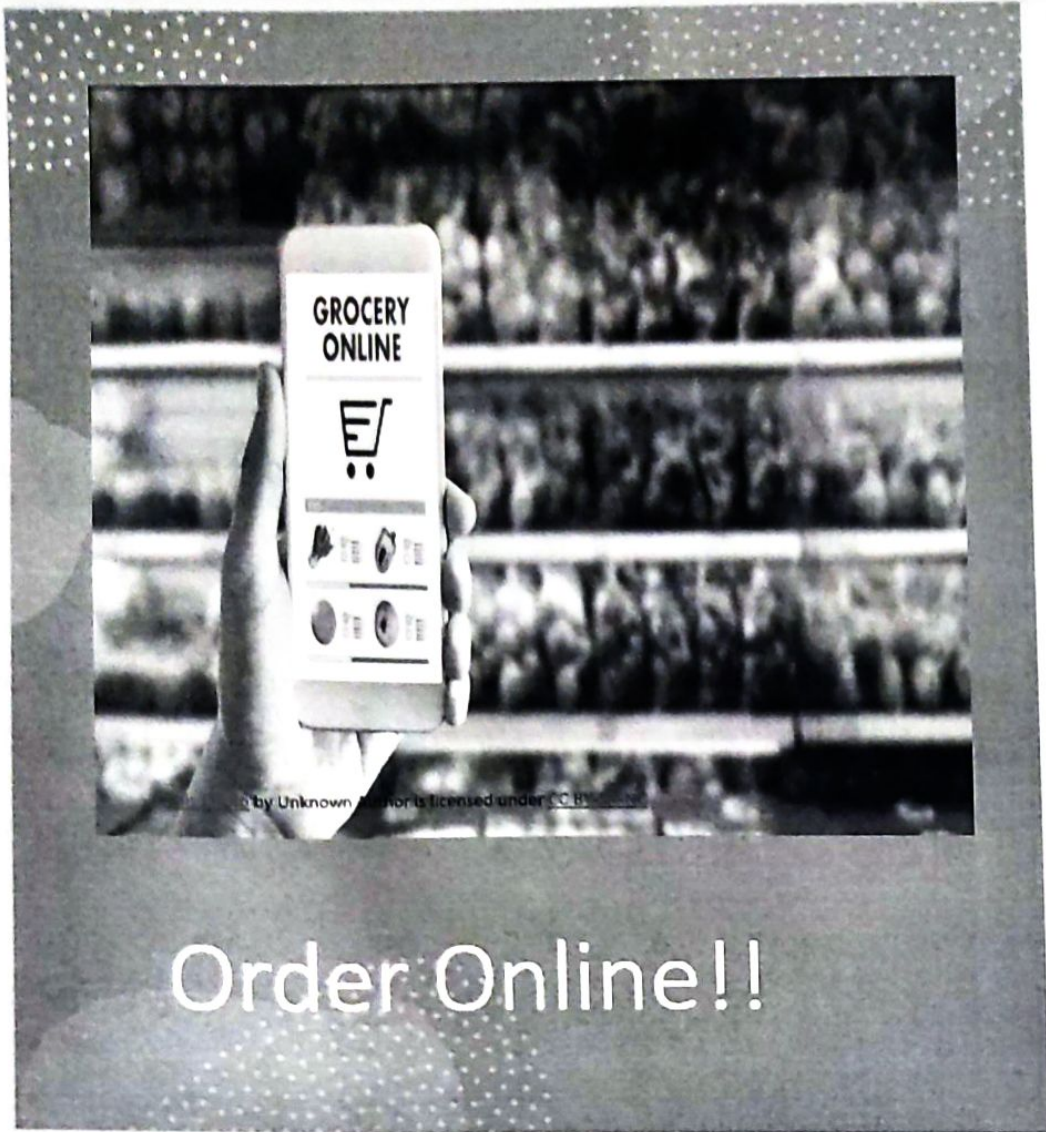
Parameter	Waterfall	V-model	Spiral	Iterative	Agile
Clear requirements	Start of project	Start of project	Start of project and beyond	Possible throughout the project	Incrementally
User feedback	Start of project	Start of project	No	No	Yes
Time frame	Long	Depends on project size	Long	Very long	Shorter than other models
Foresee risk	Start of project	Start of project and possibly beyond	Yes	No	Yes
Early implementation	No	No	Possible	Not really	Definitely
Predictability, guarantee of success	Low	Medium	Medium	Medium	High

WHAT IS PROJECT SCOPE?

Scope refers to the detailed set of deliverables or features of a project. These deliverables are derived from a project's requirements.

Product scope is defined as the functions and features that characterize a product or a service.

Project Scope: "The work that needs to be accomplished to deliver a product, service, or result with the specified features and functions." - PMBOK®



Order Online!!

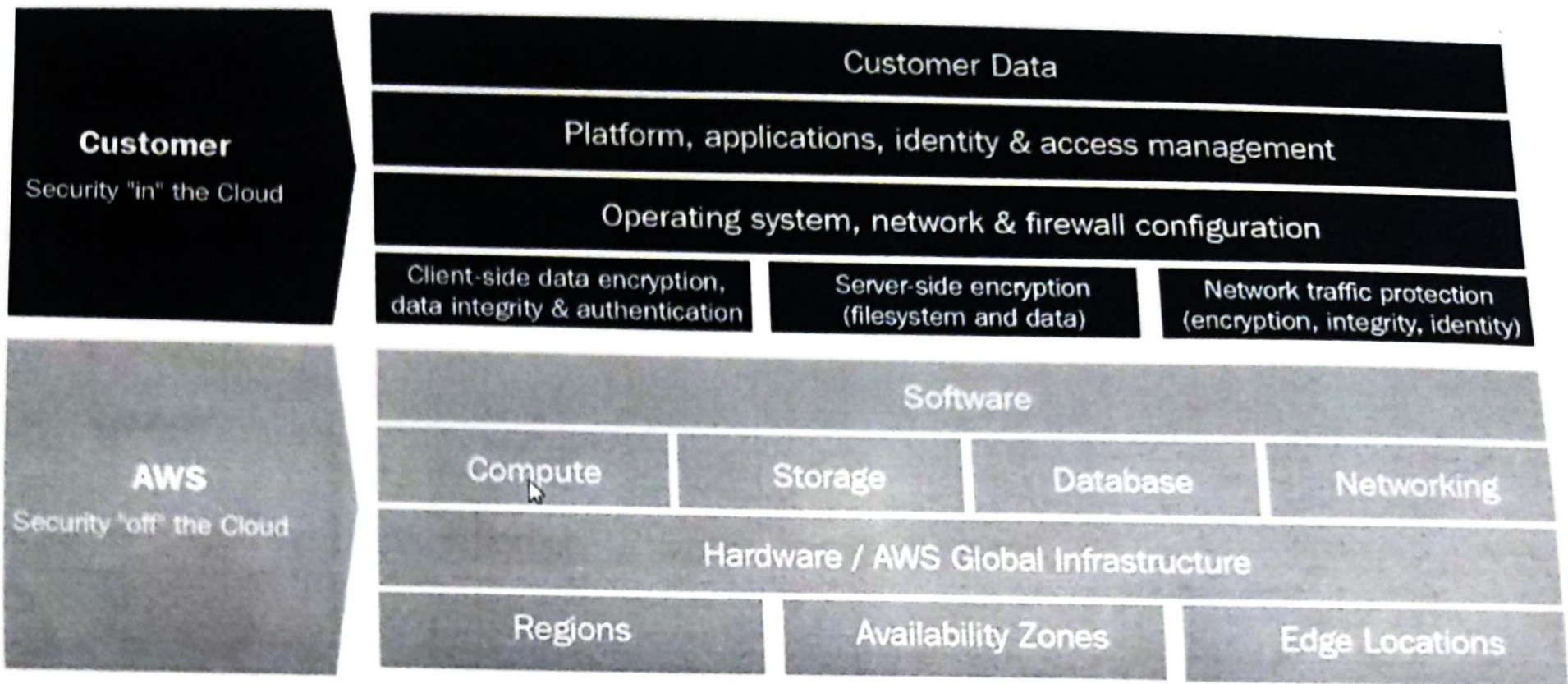
Login ID:

Password:

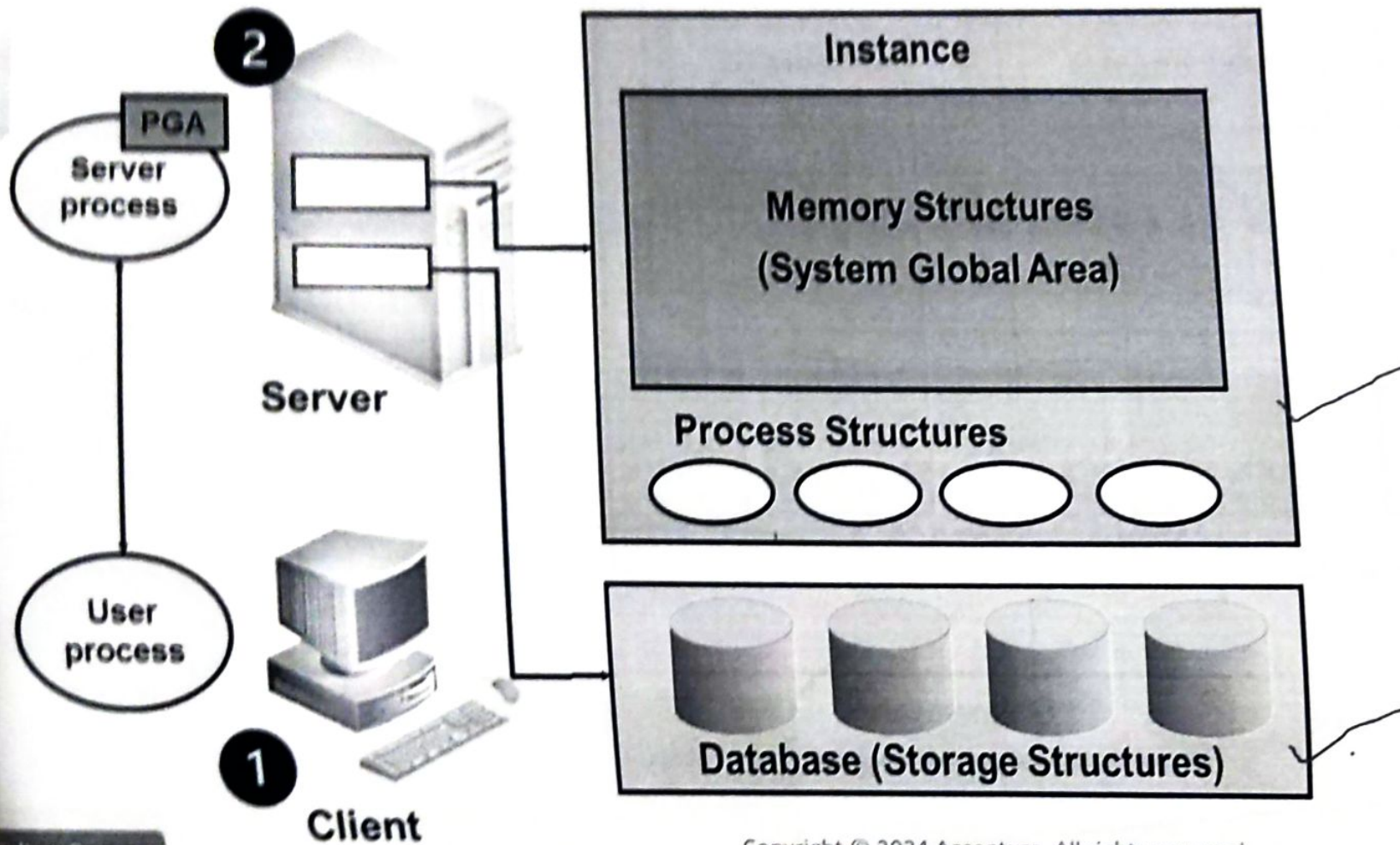
[LOGIN](#)

[Forgot Password?](#)

Shared Responsibility Model



Oracle Database Server Architecture: Overview



Skills acquired

1. Technical Proficiency:

- Gained expertise in programming languages and development tools.
- Enhanced skills in database management and software development methodologies.

2. Problem-Solving:

- Developed strong analytical abilities to understand and address business requirements.
- Improved troubleshooting skills to resolve complex technical issues.

3. Quality Assurance:

- Learned to conduct thorough testing and debugging to ensure application reliability.
- Adopted best practices for software quality and performance.

4. Integration Techniques:

- Gained experience in integrating packaged applications with various systems.
- Ensured seamless data flow and system compatibility.

5. Documentation Skills:

- Developed the ability to create comprehensive technical and user documentation.
- Improved clarity and detail in written communications.

6. Collaboration:

- Enhanced teamwork and communication skills by working with cross-functional teams.
- Learned to effectively convey technical information to non-technical stakeholders.

7. Adaptability:

Overview of OJT

During my OJT with Accenture, I had the valuable opportunity to immerse myself in various tasks. I found that my newfound skills were instrumental in solving challenges encountered during the development process. I leveraged my problem-solving abilities and Java proficiency to identify and rectify issues efficiently. I was able to overcome the hurdles faced during the tasks by collaborating with my team and applying the techniques I had learned.

Although I may have been less experienced in certain areas initially, such as handling complex user interactions and managing larger codebases, I leveraged my communication skills and willingness to learn to seek guidance from my colleagues. By actively engaging with my team and seeking mentorship, I was able to navigate through these challenges effectively and contribute meaningfully to the projects.

Overall, my OJT experience has been immensely rewarding, allowing me to apply theoretical knowledge to real-world scenarios, develop practical skills, and collaborate effectively within a team environment. I am grateful for the opportunity to learn and grow professionally during my time at Accenture.

Savitribai Phule Pune University

Second Year
M.Sc. (Computer Applications)

(Choice based Credit and Semester based Syllabus for affiliated colleges to be implemented from Academic Year 2020-21)

Semester IV

Savitribai Phule Pune University M.Sc (Computer Applications) Industrial Training/on-campus Projects		
Teaching Scheme: 2 Hrs/Week	Credit 20	Examination Scheme: Practical: IE -150 Marks UE -350 Marks

IE: Internal Evaluation **UE:** External Evaluation **CA:** M. Sc. (Computer Applications)

General Information:

- I. Each credit will be equivalent to 15 clock hours of teaching
- II. 75% of the credits (60) is compulsory from the core subject and 25% i.e. 20 credits from any other department than the one where he/she is registered. In case student wishes to take all courses from the department he/ she can also do so.
- III. Credits: It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- IV. Refer detailed rules and regulations for credit and semester system in postgraduate department/centers of the university with effect from academic year 2018-19 which is displayed on the website of the university.
- V. CA-CCUP-Core Compulsory University Project: Students must undergo full time industrial training/Institute-level project.
- VI. According to university guidelines any Science, Technology, and Engineering graduates is eligible to take admission for M.Sc. (Computer Application). However, by considering the eligibility of the M.Sc. (Computer Application) course it is necessary to complete the bridge course to become familiar with technology concepts more clearly. Specifically, Non-IT graduates who are not familiar with programming languages, Database Technology need to undergo the bridge course to learn the various courses of M.Sc. (Computer Application).
- VII. Each student will have attend lectures/laboratory sessions and appear for examinations for mandatory courses in Human rights, Cyber Security/Information security and skill development courses arranged by the Institution and earn required credits in each such courses. The grades obtained by the students will be communicated by the respective Institute to the University. However, these grades will not be considered for CGPA calculations. A degree will be only awarded to the students by the University only after completion of all such courses in addition to the courses mentioned for all the semesters.
- VIII. For Industrial training in semester IV, One faculty member will be assigned maximum 05 students

Semester IV

Savitribai Phule Pune University
M.Sc (Computer Applications)
Industrial Training/on-campus
Projects

Teaching Scheme:

02 Hrs/Week

Credit
20

Examination Scheme:

Practical:
IE -150 Marks
UE -350 Marks

Course Objectives:

- To develop skills in the application of theory to practical work situations
- To provide students the opportunity to test their interest in a particular career
- To expose students to real work environment experience, gain knowledge in writing report in technical works/projects.
- To build strength, teamwork spirits and self-confidence in student.

Course Outcomes:

On completion of the Industrial Training Period, student will be able to–

- Apply fundamental principles of the subjects to solve real world problems.
- Become master in at least one specialized area
- Able to communicate efficiently
- Ability to identify, formulate and model problems and find solutions .

Guidelines

- Each student will take up either training at an industry/research institute or will work on campus on a project idea.
- The institute will appoint faculty members to work as coordinators/mentors to supervise this activity. **However, One faculty member will be assigned maximum 05 students**
- Students will meet the coordinator/mentor at least once in a week and will also submit synopsis and 2 copies of reports during the period of Industrial training (ITP) to the faculty mentor
- Continuous assessment will be carried out by the faculty mentor for 150 marks on the basis of weekly attendance, performance, progress, report, presentations given by the student.
- After Completion of the ITP, a student will have to submit the project completion certificate from the respective industry/research institute.
- A student will produce two hard copies (Hard Black Bound with Golden Embossing -one student copy and one Department copy) and a soft copy of the report in the format given below.
- End semester examination will be of 300 marks and will be conducted by three examiners: faculty mentor, expert from industry (appointed by the college) and one external examiner from affiliated college appointed by the University.
- Students are advised to take online foreign language courses during the period

5.Index for Project Report

Sr.No	Index Name	Page No.
I.	Abstract	
II.	Acknowledgement	
III.	Completion Certificate	
IV.	College Certificate	
	Report	
1.	Introduction I. Existing System II. Need for New System	
2.	Problem Definition	
3.	Proposed System: I. Explanation II. Methodology used	
4.	Scope of the System	
5.	Hardware and Software Requirement	
6.	Fact Finding Techniques	
7.	Feasibility Study I. Operational II. Technical III. Economical	
8.	Diagrams: I. System Flow Diagram II. E-R Diagram III.UML Diagrams	
9.	Data Dictionary	
10.	Database Designing	
11.	Screen Designing A. I/O Screen Designing B. Output Formats	
12.	Test Cases Design	
13.	Conclusions & Future Enhancements	
14.	Bibliography, References and Published work (Paper/Book Chapter/Copyright/Patent etc)	



Pune Vidyarthi Griha's

COLLEGE OF SCIENCE & COMMERCE

(Accredited by NAAC)

(Affiliated to Savitribai Phule Pune University & Approved by Govt. of Maharashtra)

S.No.44, Vidyanagari, Parvati, Pune- 411009

Telephone: (020) 2422 1484, Website: www.pvgcsc.ac.in

Date: 24/01/2024

NOTIFICATION

This is to inform all **S.Y.M.Sc. (Computer Science) & S.Y.M.Sc. (Computer Applications)** students that, as per SPPU guidelines and as a part of curriculum, each student must individually complete **minimum 5 months** full time Industrial training / Institutional project in the 4th semester (worth 20 credits) for the award of M.Sc. (Computer Science) & M.Sc. (Computer Applications) degree.

The students are required to go through detailed guidelines of Internal Evaluation (Continuous Assessment) & University Evaluation, that are given in the syllabus, which is available on SPPU website as well as College website (under Admissions tab).

IA (150 marks)				
Weekly Attendance	Weekly Reports	First Presentation	Second Presentation	Documentation
20	40	20	40	30

UE (350 marks)		
Mentor	IT Expert	External Examiner
100	125	125

As a part of Internal Evaluation, students **MUST** record their weekly attendance and submit weekly report in the college to the assigned mentor. Your Internal Evaluation will commence from Saturday 27/01/2024.

The students have to submit a valid offer letter and collect Weekly Report Format in the first week of Internal Evaluation (27/01/2024 to 03/02/2024 between 10.00 am & 4.00 pm). Irrespective of whether the students have started their internship or not, they have to report in the college once in a week.

The mentors will be assigned in the 2nd week of Internal Evaluation. Further instructions will be given by respective mentors.

Year	Name of the students	
2023-24 S.Y. M.Sc. (CA) Total = 57	NAGTILAK MEERA KALIDAS	MANE AKASH ARJUN
	DHAINJE REVATI VIJAY	VAGAT SANSKRUTI MANOJ
	KARANDE SMITA VITTHAL	TIKHE HARSHAL ARUN
	JADHAV DIPTI VILAS	KAMBLE NINAD RAJENDRA
	ALEGAONKAR RANI VIJAY	MANALI BAJIRAO WAGHMARE
	WABALE SIDDHI PARESH	DESHMUKH ROHINI SHIVAJI
	WAD ANUPAMA SANJAY	UNDIRKAR SHWETALI VIJAY MANISHA
	GOKHALE AISHWARYA ANAY	BELLALE GANESH DILIPRAO
	SHINDE ADARSH ASHISH	SARWADE SUGAT BHIMRAJ
	ABHISHEK SURESH PATIL	TERNI ADITI ARUN
	NEELI SANKET SAIBABU	MAGAR JAYASHREE DATTU
	CHAUDHARI CHETAN SATISH	BICKAR ATHARVA DHANANJAY
	PALWE POOJA MANGESH	BHORADE SHRADDHA VITTHAL
	DAVE VINAY PRAVIN	BHOSALE SHIVENDRA DHAIRYASHEEL
	NAVAID NISAR SAYYED	VAISHNAVI LAXMAN KARNE
	DALVI SOURABH SACHIN	GHODKE PRATIK BHAUSAHEB
	VIVEK DEVIDAS THAKAR	RASPAYLE ANJALI SURENDRA
	WALAMBE SHRUTI SACHIN	TODKAR PRASAD SHRIRANG
	PARDESHI ISHA DEEPAK	JADHAV NIMESH SHANKAR
	SHINDE RUTUJA JAYSING	KULKARNI NIKHIL SANTOSH
	KAMBLE PRADNYA NAMDEV	LADDHA KRISHNA RAJENDRA
	GARDE SANCHITA SATISH	KATE PRATHAMESH SANTOSH
	JAIN SHWETA SANMATI	
	SAGAR MARUTI PAWAR	
	ADAGALE SIMRAN RAJU	
	GIRI MANISHA SANJAY	
	YADAV ANIKET PRAKASH	
	SALUNKHE SOHAN VIJAY	
	CHOUDHARI ATHARVA MOHAN	
VIPUL BHARGAV DESAI		
MAHAMUNI AKSHATA VISHWANATH		
MANDHARE ADITYA UMESH		
GOKHALE SAYLI SATISH		

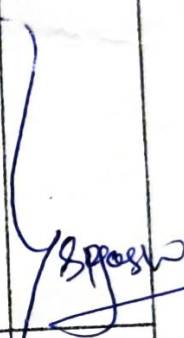
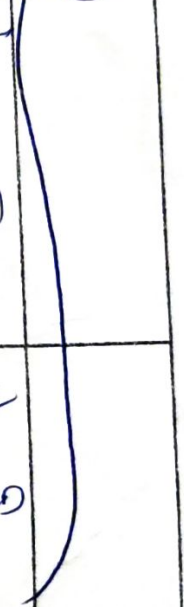
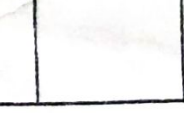
Pune Vidyarthi Griha's
COLLEGE OF SCIENCE & COMMERCE


Academic Year: 2023-24 Semester: IV

Class: S.Y.M.Sc. (Computer Science) /
 S.Y.M.Sc. (Computer Applications)

Name of student: Bhairav Ganesh Diliprao
 Project Title: e-store
 Company Name: Velocity Corporate Training center
 Company Mentor: Rahul Kasbe

Weekly Report

Sr. No.	Date	Daily activity	proposed work for next week	Signature of College mentor
1		Conduct research on e-commerce platform architecture and framework.	Begin designing the Data base Schema for the e-store portal and implement framework Bakery	
	1 Jan			
	2 Jan			
2		Design the Database schema for product and user authentication	Start implementing Database schema and user authentication using Spring attributes	
	22 Jan			
	2024			
3		Setup project environment and initialize Bakery structure using Spring Boot	Continue Bakery and developer implementation and operation.	
	5 Feb			
	2024			

Sr. No.	Date	Daily activity	propose.d work for next week	Signature of College mentor
4	19 Feb 2024	implemnet basic	basic formated development Backend for dynamic user interface	
		server operation		
		for product		
		and integrate with Database		
5	18 March 2024	Armanystated format	Complex form and develop and start entire system Backend and incl	
		developing a new		
		feature on page		
		Listing and detail page		
6	18 March 2024	Consume testing	perform inter Backend and Front end improvement.	
		on back end API and fixed bugs		
7		Consume		
8				
9				

3rd July, 2023

To,
Sourabh Dalvi,

Subject: Internship Offer Letter

Congratulation on being selected for the 6 Months Internship (Programming & GUI Development) at ArrayGen Technologies Pvt Ltd.

We believe this experiential learning internship program is a great opportunity for you to extend your fresh academic knowledge to the industry and at the same time learn from the company's subject matter experts by being professionally associated with them. We trust your commitment towards excellence and your willingness to leverage this opportunity extended, and will further definitely help you shape your career.

Please take a look on below terms:

- You will be having a Contract of 6 months with the organization from 3rd of July 2023 to 30th of December 2023. You will be receiving INR 7000 as Stipend after completion of 3 months on 15th of the month.
- Candidate needs to submit his marksheet xerox SLC (10th), 12th, Graduation Certificate, MSc admission certificate.
- You will be under training & need to perform Java / python/ R works related script development as well as Algorithm development/ GUI Development/Guiding to clients/Training/client interaction and all other works for company
- We will evaluate after 6 months and based on your performance company can give you employment in our organization. However, the employment will be completely the decision from the board of director.
- In the 6 months internship we will provide you one project and guide you the same as well as you will be working on any task assigned by the company.
- you will get 1 sick and 1 paid leave every month you complete as well as general leave as per company rule. If we found irregularities in the attendance, we may ask you to leave the company immediately.
- The office working will be from 9:15 am to 6 pm and you need to complete 9 hrs of working including 1 hrs break for lunch and 15 min break for tea. The working will be from Monday to Friday and you have to contribute two Saturdays i.e **2nd Saturday and 4th Saturday**.

Looking forward to welcoming


you. Yours sincerely,

ArrayGen Technologies Pvt Ltd.

For the candidate:

I acknowledge that by signing this document, I am accepting the offer.

Date:


SOURABH DALVI
Candidate name & sign

Date: 10th May, 2024

To Whom So Ever It May Concern

This is to certify that Sourabh Dalvi has completed Ten months and eight days of employment as an employee of ArrayGen Technologies Private Limited. Sourabh joined our organization as a Software Developer Intern on 3rd July 2023, and his tenure concluded on 10th May 2024. During his time with us, Sourabh exhibited exemplary performance and dedication. He primarily contributed to the TCGA Database project and the development of our company website. His role involved backend development in PHP and front-end development using HTML, CSS, and JavaScript. Sourabh demonstrated proficiency in handling complex tasks related to project work, showcasing his skills and commitment to excellence.

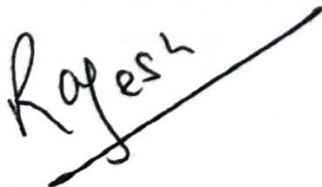
During this period, his work was satisfactory in carrying out the job duties. His responsibilities were to:

- Proficient in developing robust and scalable web applications using PHP. Django.
- Skilled in designing and implementing webpages using HTML, CSS, and JavaScript to ensure seamless integration with front-end applications.
- Experienced in collaborating with team members to analyze requirements, plan solutions, and troubleshoot issues effectively.
- Utilizes MySQL database for efficient database operations and management.
- Implements security measures to safeguard sensitive data and mitigate potential vulnerabilities.
- Demonstrates expertise in writing clean, maintainable, and well-documented code following best practices and coding standards.

Sourabh consistently met project deadlines and delivered work of exceptional quality. His remarkable ability to adapt to new challenges and learn quickly was commendable. Furthermore, Sourabh demonstrated excellent teamwork and communication skills, effectively collaborating with team members to achieve project goals. His contributions greatly enhanced the overall success of our projects.

We wish him all the best in his future endeavors.

Yours sincerely,



Rajesh Kumar Mahato (Founder & CEO)
ArrayGen Technologies Pvt. Ltd.
Mobile: +91-9673625446





Allscripts (India) LLP, ultimately a subsidiary of Altera Digital Health Inc., a LLP incorporated under the provisions of the Limited Liability Act, 2008, hereinafter referred to as the "Altera India"

Ref: AI / REQ881/2024

March 29 , 2024 Ms.Akshata Vishwanath Mahamuni

Sr No. 31 ,
Sidheshwar Path Sanstha ,
First Floor, Gulab nagar Dhankawadi Pune ,
Maharashtra - 411043 ,

Sub: Your Offer of Employment as MS Associate Services Consultant

Dear Akshata,

With reference to your application and subsequent interviews you had with us, we are very pleased to confirm our offer of employment to join Allscripts (India) LLP ("Altera India"). We value your abilities and believe that you will find our work environment to be challenging as well as fulfilling.

Your title will be **MS Associate Services Consultant** which would be used for communication within and outside Altera and feature in our records, applications, databases and visiting/business cards.

Your date of joining will be **April 18, 2024** following your acceptance of this letter and you are required to report to work at **11:00 AM** on your start date.

Your initial **Total Fixed Compensation** would be **520000 (Rupees Five Lakh Twenty Thousand Only) per annum** which will be paid pursuant to Altera payroll policies and will be subject to applicable deductions. A detailed break-up is provided in the **Compensation Break-up Sheet**, at the end of this letter. Your compensation structure could change from time to time. This is to notify you that the salary information is **strictly confidential** and hence you will not disclose the same to any other employee of Altera or to the employees of any of the group companies in Altera except to the extent required by the **HR Department** of Altera.

In addition to the above, you will be eligible for the Company's **retention** and **benefits program**, in force, as per the specified policy guidelines. The highlights of these programs are provided in the **Compensation Break-up Sheet**.

You are required to comply with all the policies of the company issued from time to time. On the question of interpretation of any of the terms and conditions, the decision of the Company Management shall be final and binding on you. Your initial place of posting is **Remote Pune-Baroda, India**. However, your services are liable to be transferred, at the discretion of the company, from one location to another in India or outside India. In case, you are deputed onsite by the company for any training, you will have to execute an agreement as per the rules and regulations of the company.

Allscripts (India) LLP

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"This offer letter is subject to you complying with the following: -
PAN card and Passport copy is mandatory for all the candidates. In case you do not have passport or PAN card, you are expected to apply immediately and produce the receipt as proof of application before joining. You are expected to complete the process at the earliest but no later than 1 month from date of joining. Please note that your employment can be terminated in case these documents are not furnished within 1 month of joining."

Employment Clause:

1. Your employment with the Company is subject to termination on:
 - a. 60 days prior notice by either side
2. The Company reserves the right to, at its sole discretion, substitute the notice period by paying you salary in lieu of the notice period.
3. For abundant caution, it is hereby clarified that you cannot waive the notice period requirement in the event you wish to terminate your employment with the Company, and that your termination/resignation letter (by whatever name it is called) will be accepted by the Company only on your satisfying the mandatory 60 days' notice period. Further, till such time as the Company accepts your resignation letter, you will be deemed to be an employee of the Company and the terms and conditions of your employment will still continue to bind you. You agree to indemnify and keep the Company indemnified against all the costs, charges, expenses, losses and damages suffered by the Company as a result of your failure to serve the mandatory notice period of 60 days. Further, in case of termination/resignation by you, Company shall be entitled to release you at any time during the notice period and in such event, you will be entitled to remuneration till the date of your release by the Company.
4. The Company shall have the right to terminate your employment immediately without notice or payment in lieu of notice if:
 - a. You neglect, refuse, fail to perform any of your duties or for any reason you are unable to perform any of your duties or comply with the Company policies and code of conduct; or
 - b. You are guilty of any misconduct whether or not in the performance of your duties (including but not limited to being an un-discharged insolvent, being convicted by any criminal court, being involved in fraudulent acts, etc.) or commit any act which in the opinion of the Company is likely to bring the Company any disrepute whether or not such act is directly related to the affairs of the Company; or
 - c. You commit any breach of any of your duties or obligations under your terms of employment or the policies of the Company.
 - d. There is a discrepancy in the copies of the documents/certificates given by you as a proof in support of the information provided by you. In the event of termination under Clause 'b' above, you shall not be entitled to any benefits whatsoever.

The **New Hire Information Sheet** attached to this letter as **Exhibit I** and made a part of this letter, your NonDisclosure Agreement/Proprietary Interest Protection Agreement (PIPA) and any written supplement to this letter that references this letter (collectively, the "**New Hire Letter**") state the entire understanding between you and Altera

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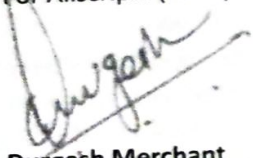
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and supersede and replace all prior and contemporaneous, oral and written, agreements, understandings, negotiations and discussions concerning your offer of employment with Altera. Your signature below confirms that nothing has been represented or promised to you except as specifically set forth in this New Hire Letter.

Akshata, it is a pleasure to extend this offer to you and we look forward to having you join the Altera team. We appreciate the time you have spent with us throughout the recruiting process and ask that you respond to our offer no later than **March 31, 2024**; after that date this offer will no longer be valid. If you accept our offer on the terms set forth in this letter and Exhibit I, please sign this letter, the New Hire Information Sheet attached as Exhibit I, and the electronic Non-Disclosure Agreement/Proprietary Interest Protection Agreement in the spaces provided and return to the **HR Department** at our **Remote Pune-Baroda, India** office. The file copies are for your records. The execution and return of this letter, including agreement to the terms of Exhibit I and the Non-Disclosure Agreement/Proprietary Interest Protection Agreement, and completion of the New Hire Information Sheet are conditions precedent to your employment. When you have returned these documents to us, it will govern your employment with Altera. We advise/suggest you to clarify as many doubts before making your decision regarding the offer. We also suggest that you discuss other opportunities inside your current company and with other companies that you may be interested in. After you have all the inputs and offers, we would be delighted if you decide to accept our offer and confirm your intent to join on the specified date.

It is mandatory to submit the relieving letter from your current/latest employer within one month of your joining, if not submitted on the start date. You will be issued with a detailed Appointment Letter on your joining. You are requested to sign the duplicate copy of this Offer Letter as a token of your acceptance of the same and return it to **the HR Department on your start date**. If you need assistance, or have any questions, please contact your **HR Representative**. We heartily welcome you to Altera and look forward to a long and meaningful association with our Company. We anticipate your co-operation, contribution, support and commitment and encourage you to be a vital part of creating and fostering a workplace that is characterized by fun, success and progress of the Company.

Thanking you,
For Allscripts (India) LLP


Durgesh Merchant
Director HR Optimization

Please feel free to write to durgesh.merchant@alterahealth.com for any feedback on the interview/onboarding process.

Enclosure(s):

- Compensation Break-up Sheet
- Exhibit 1 – New Hire Information Sheet
- Copy of Non-Disclosure Agreement (PIPA - Proprietary Interest Protection Agreement)
- Relocation Policy (if applicable)

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Important Contacts: Please feel free to reach out to us on the below mentioned numbers or write to us on the mail IDs for any queries:

India-Talent Acquisition Team: altera-india-talentacquisition@alterahealth.com

OR

Durgesh Merchant
 Director HR Optimization
 Email Id: durgesh.merchant@alterahealth.com
 Contact Number: +91-909 994 1606 (C)

Compensation Break-Up Sheet - Strictly Confidential (for your consumption only)

Name:	Akshata Vishwanath Mahamuni		Location:	Remote Pune-Baroda, India
Job Level:	P1		Job Title:	MS Associate Services Consultant
Salary Components/ Pay Elements	Current per month (INR)	Current per annum (INR)	Percentage of Distribution & Description Salary Components/ Pay Elements	
Basic Salary	17333	208000	40%	of total Fixed Compensation
House Rent Allowance (HRA)	8667	104000	50%	of the Basic Salary
Advance against statutory bonus / Ex-Gratia	3500	42000		Advance against statutory bonus / ex-gratia
Provident Fund (Employer's contribution)	2080	24960	12%	of Basic Salary and an equal amount of the employee's contribution each month, would be deducted during payroll calculations - i.e. Company contributes same amount and deposits with PF Commissioner on your behalf. Out of the Company contribution, 8.33% of basic or INR 1,250/- (whichever is lower) goes into Employee Pension Scheme (EPS) and balance in Provident Fund (PF) account
Leave Travel Assistance (LTA) - Tax break on submission of bills	3611	43333		2.5 months of monthly basic subject to limit of INR1,00,000/- per annum. Tax free on 2 occasions in a block of 4 years to the extent of amounts spent on travel fare. Travel documentation as per guidelines would need to be furnished
Personal Pay	8142	97707		Personal pay can be split by utilizing flexi basket options as outlined in the table below. Personal Pay cannot be less than zero
FIXED COMPENSATION	43333	520000		
Group Mediciam Insurance, Personal Accident Insurance and Term Life Insurance Premium		29397		<p>Group Mediciam Insurance hospitalization cover is provided by the company for self + 3 persons (spouse and maximum two children up to the age of 21). If an employee is unmarried, only s/he will be covered by the company under the scheme. General coverage is INR 300,000/- per annum per family. Additional coverage of INR 250,000/- is available for certain critical illnesses. Additional corporate buffer is available up to INR 200,000/- at the discretion of management and surplus buffer available. Therefore, total coverage amount can be as high as INR 750,000/- per annum per family. Group Personal Accident policy coverage is only for self, up to an amount equivalent to 3 times annual fixed compensation.</p> <p>Group Term Life Insurance is only for self, up to an amount equivalent to 3 times annual fixed compensation.</p>

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Private & Confidential

Date: 31/05/2023, 2:30:32.448 pm IST

Akshata Vishwanath Mahamuni
S no 31 sidheshwar path sanstha first floor Dhankwadi
Pune Maharashtra 411043
India

APPOINTMENT LETTER

Dear Akshata Vishwanath Mahamuni,

Subsequent to the meetings between Convergys India Services Private Limited (hereinafter, 'Company') and you, we are pleased to make an offer of employment on the following terms and conditions. Your compensation and benefits are detailed in the included Annexure.

1. Appointment

1.1 You shall be appointed to the position of Sr. Representative, Operations in Comp Grade 11. This would be your Social Job Title and your Job Profile, would be Advisor II, Technical Support. Any change in your Social Job Title / Job Profile will be at the discretion of the Company, depending upon the work assigned to you. Job Profile must be used for all internal communication and in your e-mail signature. Social job title can be used for business cards and LinkedIn. You may use your Job Profile for social purposes as well.

1.2 Your initial place of work shall be Pune.

However, your services are transferable to any other role, competency, place or office of the Company or to any subsidiary or associate company, whether now existing or still to be formed. Such transfer/deputation will be in accordance with the Company's rules being in force at the time. On transfer or assignment, you will be governed by the Rules, Regulations and Conditions of Service applicable to that location or role. Refusal to accept such transfer or assignment may lead to disciplinary action including but not limited to termination of your employment.

1.3 Your appointment will be effective from 5/06/2023 or at an earlier date as mutually agreed, subject to your completing the on boarding formalities. You are required to submit all the documents (as per the Mandatory Document Checklist) before 02/06/2023 failing which the Company reserves the right to withdraw this offer letter and/or cancel your appointment. If this date is not suitable, please contact us immediately at Mayank.Verma11@concentrix.com to seek an alternative date on which to submit all required documents.

Please note that the offer will be withdrawn at the Onboarding date if you do not notify us of your acceptance or we are unable to agree to an alternate joining date.



Please sign the copy of this offer letter and return it to us as an indication of your interest in joining us on the given date.

Please note that your employment stands confirmed only after you complete your joining formalities on the reporting date.

This offer is liable to be withdrawn based on business requirements at any time prior thereto.

The terms of this offer are strictly confidential between you and the Company.

Yours sincerely,
Convergys India Services Private Limited

Name of Talent Acquisition Leader - India:	Yogesh Rustagi
Date:	31/05/2023, 2:30:32.448 pm IST
Signature:	

Name of Candidate:	Akshata Vishwanath Mahamuni
Date:	{{Dte_es_:_signer1:date:format(date,dd-mm-yyyy)}}
Signature of Candidate:	{{digsig1_es_:_signer1:digitalsignature}}

tAyanS

tAyan Solutions

3rd Floor Lolage Corner, Karve Nagar Pune 411 052

Date:29/JAN/24
Name: Chetan Satish Chaudhari
Pvg's College of Science, Parvati, Pune-411009

Internship Offer Letter

Dear Chetan Satish Chaudhari,

tAyan Solutions is pleased to offer you internship and this letter confirms the terms of your Internship with tAyan Solutions for the position of Trainee.

Period: from 1st February 2024 for next 4 months

A letter approving the internship at tAyan Solutions (or No-Objection-Certificate) from the Institute where you are currently pursuing the academic course should be submitted within two weeks. This offer is for internship experience only.

tAyan Solutions is not bound to further commitment of employment with the company after internship period ends which is mentioned in the letter.

You will also be subject to the Company's standard terms, rules and regulations.

You further represent and warrant that, during the training period with the

Company, you will not utilize or disclose any confidential information including proprietary Software and Design in any form which may harm the interest of tAyan Solutions.

This confirmation letter represents the entire understanding, practice and agreement (whether written or oral) between you and the Company with respect to the terms of your training. No money trade is involved in the format of stipend and asks for project fee from both entities. You are requested to sign this letter confirming your agreement to the terms outlined above.

We sincerely hope that this training will turn out to be a great learning & working experience! Again, congratulations and we look forward to working with you.

Yours sincerely,

for tAyan Solutions

(Director)

AGREED TO AND CONFIRMED:

Student Name: Chetan Satish Chaudhari

Signature:

Date: 29/Jan/2024

Place: Pune

tAyan Solutions

tAyanS

tAyan Solutions

3rd Floor Lolage Corner, Karve Nagar Pune 411 052

Date:29/JAN/24

Name: Sugatraj Sarawade

Pvg's College of Science, Parvati, Pune-411009

Internship Offer Letter

Dear Sugatraj Sarawade ,

tAyan Solutions is pleased to offer you internship and this letter confirms the terms of your Internship with tAyan Solutions for the position of Trainee.

Period: from 1st February 2024 for next 4 months

A letter approving the internship at tAyan Solutions (or No-Objection-Certificate) from the Institute where you are currently pursuing the academic course should be submitted within two weeks. This offer is for internship experience only.

tAyan Solutions is not bound to further commitment of employment with the company after internship period ends which is mentioned in the letter.

You will also be subject to the Company's standard terms, rules and regulations.

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Company, you will not utilize or disclose any confidential information including proprietary Software and Design in any form which may harm the interest of tAyan Solutions.

This confirmation letter represents the entire understanding, practice and agreement (whether written or oral) between you and the Company with respect to the terms of your training. No money trade is involved in the format of stipend and asks for project fee from both entities. You are requested to sign this letter confirming your agreement to the terms outlined above.

We sincerely hope that this training will turn out to be a great learning & working experience! Again, congratulations and we look forward to working with you.

Yours sincerely,

for tAyan Solutions

(Director)

AGREED TO AND CONFIRMED:

Student Name: Sugatraj Sarawade

Signature:

Date: 29/Jan/2024

Place: Pune



TrueEthos India LLP
14, Rokade Heights,
Kothrud, Pune- 411038

Mr Atharva Choudhari
Pune

23 March 2024

Subject: Appointment Letter for Software Development Intern

Dear Atharva,

We are delighted to extend this formal offer of internship for the position of **Software Development Intern** at TrueEthos India LLP (herein referred to as "organization", "we", "us").

1. Date of Joining

You shall join the organization on 15 February 2024, for the said role.

2. Duration

The duration of the said internship shall be six months, subject to fulfillment of all criterias herein.

3. Mode

You shall be required to work on-site, throughout your employment with us.

4. Remuneration

The said internship shall be unpaid. However, management may decide to make appropriate changes in this clause, upon their discretionary review.

5. Leave policy

a) You will be eligible for 6 paid leaves for the period of your internship.

b) The weekly off is on Sundays. Therefore, Sundays are considered non-working days for the purpose of leave calculations.

c) Any leaves taken in excess of the entitlement specified in this policy will lead to adjustments in end date of the said internship.

6. Notice period

The organization may terminate/suspend your contract, at its sole discretion, at any time, immediately upon written notice to you if it has been alleged and prima facie established through preliminary internal enquiry that you have committed (i) breach of the organizations code of conduct and policies (ii) any heinous criminal act or any offence involving moral turpitude, (iii) sexual harassment or (iv) other act that threatens or likely to damage organization's reputation.



TrueEthos India LLP
14, Rokade Heights,
Kothrud, Pune- 411038

7. Code of conduct and policies

- a) You shall at all times carry out such duties and responsibilities as may be assigned to you by the organization and shall faithfully and diligently perform these in compliance with established policies and procedures, endeavoring to the best of your ability to protect and promote the interests of the organization.
- b) You will be bound by the organization's Code of Conduct and all other rules, regulations, policies and orders issued by the organization from time to time in relation to your conduct, discipline and training condition such as leave, medical, IT policies, etc. as if these conduct rules, regulations, policies et al, were part of this contract of appointment.

8. Confidentiality

- a) Use of organization's name: You shall use the organization name, logos, trademarks or other identifiers strictly in the manner permitted by the organization's policies, or for the purposes of provision of Services delegated to you to the extent required. Upon termination/suspension/expiration of your role with the organization, you shall not use the organization's name, logo, trademark or other identifier in any manner other than what is already a matter of public knowledge, provided however you will not be in breach of this clause if you make reference to the organization's name solely to describe your former association with the organization subject to the confidentiality obligations which the organization might have undertaken in relation to any of its clients, vendors or other organization's personnel.
- b) Information: You shall always maintain the highest degree of confidentiality and keep as confidential the records, documents and other confidential information relating to the business of the organization which may be known to you or confided in you by the organization its representatives, authorized personnels, vendors, sub-contractors, clients etc. and by any means and you will use such records, documents and information only in a duly authorized manner in the interest of the organization. For the purposes of this clause 'Confidential Information' means information about the organization's business and that of its customers, subcontractors, business partners or agents which is not available to the general public and which may be learnt by you in the course of your role. This includes, but is not limited to, information relating to the organization, its customer lists, policies, personnel, and information about the organization's products, processes including ideas, concepts, projections, technology, manuals, drawing, designs, specifications, sales pitches, fees quotes, tender information, key personnel, customer contacts, thought leadership papers, and all papers, resumes, records and other documents containing such Confidential Information, whether such information was disclosed to or accessed by you prior to or after the date hereof. You shall at all times, whether during or after the termination/suspension/expiration of your role act with



TrueEthos India LLP
14, Rokade Heights,
Kothrud, Pune- 411038

- e) Privity of Contract: The terms of this Agreement may only be enforced by a party to this Agreement.
- f) Governing Law & Dispute Resolution: This Agreement, including all matters relating to its validity, construction, performance and enforcement, shall be governed by and construed in accordance with Indian law. The Courts at Pune will have exclusive Jurisdiction. In case of any dispute in relation to this agreement the decision of the management of the organization shall be final and binding.

Please signify your acceptance of these terms and conditions of role by signing the duplicate copy of this letter and returning the same to us for the Organization's records.

Yours Sincerely,
For TrueEthos India LLP

A handwritten signature in black ink, appearing to read 'Aishwarya Dalvi'.

Aishwarya Dalvi
Authorised Signatory

I hereby accept the terms and conditions of role offered.

Signature: _____

Atharva Choudhari

Date: 23 March 2024



WEBHUB TECHNOLOGY
Soft Solutions for the Hard Problems

Office Address: 04th floor, S. M. Tower, Above Jijamata bank, Karvenagar, Pune-411052.
E-mail: info@webhub.co.in Website: www.webhub.co.in

REF: INT-webhub290-2024

Date: 28/05/2024

TO WHOM IT MAY CONCERN

This is to certify that **Miss. Anjali Raspayle** student of MSC in Computer Application from **PVG'S College Of Science And Commerce, Pune** has successfully completed a project on "**Ranking Frauds in Mobile Application using user Opinions**" as a partial fulfillment of requirement towards 04th semester of her MSC in Computer Application program.

Duration- 25th January 2024 to 25th May 2024.

Technology- Python

During the period of internship with us she was found punctual, hardworking and inquisitive.

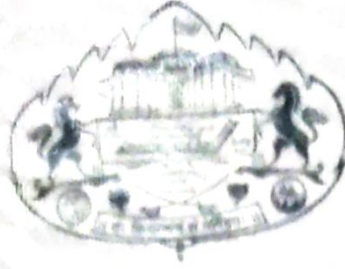
As abided by intellectual property and confidentiality policy of Webhub Technology Pune. She is unable to produce the source code of above mentioned project.

We wish her every success in life.




YOURS SINCERELY,

FOR WEBHUB TECHNOLOGY PUNE



Savitribai Phule Pune University

2023 – 2024

A Project Report On

“TrueFunds App”

For

TrueEthos India LLP, Pune

Submitted to

Savitribai Phule Pune University

For

MSc (Computer Application) Sem – IV

Submitted By

Atharva Mohan Choudhari

Under the Guidance of

Prof. Swati Joshi



P.V.G.'s College of Science and Commerce, Pune – 09

Department Of Computer Application



P.V. G'S COLLEGE OF SCIENCE AND COMMERCE, PUNE.
DEPARTMENT OF COMPUTER SCIENCE

Project Certificate

This is to certify that Atharva Mohan Choudhari of S. Y. M. Sc. (Computer Application) has satisfactorily completed the Industrial training (Internship) under the course CA-411, in the academic year 2023-2024, as required by Savitribai Phule Pune University.


The title of the project is **TrueFunds App**

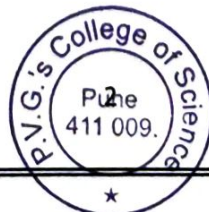

Project Guide

Principal


Internal Examiner


Industry Expert


External Examiner



Acknowledgement

We are grateful to the Department of MSc CA at PVG College of Science for providing us with the best possible facilities to complete our project. A successful project is the outcome of long-term labour that includes not just those who apply logic and hard work, but also those who lead them. I would like to take this opportunity to express my deep sense of gratitude and respect to my project guide, Prof. Swati Joshi, and the Head of the MSc Computer Application Department. It was a great privilege to benefit from their constant inspiration and guidance during my project work. I would also like to thank all those who have directly or indirectly helped me in the completion of this project.



Atharva Choudhari

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Offer Letter



TrueEthos India LLP
14, Rokade Heights,
Kothrud, Pune- 411038

Mr Atharva Choudhari
Pune

23 March 2024

Subject: Appointment Letter for Software Development Intern

Dear Atharva,

We are delighted to extend this formal offer of internship for the position of **Software Development Intern** at TrueEthos India LLP (herein referred to as "organization", "we", "us").

1. **Date of Joining**
You shall join the organization on 15 February 2024, for the said role.
2. **Duration**
The duration of the said internship shall be six months, subject to fulfillment of all criterias herein.
3. **Mode**
You shall be required to work on-site, throughout your employment with us.
4. **Remuneration**
The said internship shall be unpaid. However, management may decide to make appropriate changes in this clause, upon their discretionary review.
5. **Leave policy**
 - a) You will be eligible for 6 paid leaves for the period of your internship.
 - b) The weekly off is on Sundays. Therefore, Sundays are considered non-working days for the purpose of leave calculations.
 - c) Any leaves taken in excess of the entitlement specified in this policy will lead to adjustments in end date of the said internship.
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The organization may terminate/suspend your contract, at its sole discretion, at any time, immediately upon written notice to you if it has been alleged and prima facie established through preliminary internal enquiry that you have committed (i) breach of the organizations code of conduct and policies (ii) any heinous criminal act or any offence involving moral turpitude, (iii) sexual harassment or (iv) other act that threatens or likely to damage organization's reputation.



TrueEthos India LLP
14, Rokade Heights,
Kothrud, Pune- 411038

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- b) You will be bound by the organization's Code of Conduct and all other rules, regulations, policies and orders issued by the organization from time to time in relation to your conduct, discipline and training condition such as leave, medical, IT policies, etc. as if these conduct rules, regulations, policies et al, were part of this contract of appointment.

8. Confidentiality

- a) Use of organization's name: You shall use the organization name, logos, trademarks or other identifiers strictly in the manner permitted by the organization's policies, or for the purposes of provision of Services delegated to you to the extent required. Upon termination/suspension/expiration of your role with the organization, you shall not use the organization's name, logo, trademark or other identifier in any manner other than what is already a matter of public knowledge, provided however you will not be in breach of this clause if you make reference to the organization's name solely to describe your former association with the organization subject to the confidentiality obligations which the organization might have undertaken in relation to any of its clients, vendors or other organization's personnel.
- b) Information: You shall always maintain the highest degree of confidentiality and keep as confidential the records, documents and other confidential information relating to the business of the organization which may be known to you or confided in you by the organization its representatives, authorized personnels, vendors, sub-contractors, clients etc. and by any means and you will use such records, documents and information only in a duly authorized manner in the interest of the organization. For the purposes of this clause 'Confidential Information' means information about the organization's business and that of its customers, subcontractors, business partners or agents which is not available to the general public and which may be learnt by you in the course of your role. This includes, but is not limited to, information relating to the organization, its customer lists, policies, personnel, and information about the organization's products, processes including ideas, concepts, projections, technology, manuals, drawing, designs, specifications, sales pitches, fees quotes, tender information, key personnel, customer contacts, thought leadership papers, and all papers, resumes, records and other documents containing such Confidential Information, whether such information was disclosed to or accessed by you prior to or after the date hereof. You shall at all times, whether during or after the termination/suspension/expiration of your role act with



TrueEthos India LLP
14, Rokade Heights,
Kothrud, Pune- 411038

- e) Privity of Contract: The terms of this Agreement may only be enforced by a party to this Agreement.
- f) Governing Law & Dispute Resolution: This Agreement, including all matters relating to its validity, construction, performance and enforcement, shall be governed by and construed in accordance with Indian law. The Courts at Pune will have exclusive Jurisdiction. In case of any dispute in relation to this agreement the decision of the management of the organization shall be final and binding.

Please signify your acceptance of these terms and conditions of role by signing the duplicate copy of this letter and returning the same to us for the Organization's records.

Yours Sincerely,
For TrueEthos India LLP

Aishwarya Dalvi
Authorised Signatory

I hereby accept the terms and conditions of role offered.

Signature: _____

Atharva Choudhari

Date: 23 March 2024

Experience Letter



Software Development Internship Appointment Letter

15 May 2024

To: Atharva Choudhari

From: TrueEthos India LLP

Subject: Completion Letter - Software Development Internship

Dear Atharva,

On behalf of TrueFunds, we want to extend our sincerest gratitude and congratulations to you on the successful completion of your software development internship.

Your dedication, enthusiasm, and hard work throughout your internship have been truly commendable.

During your duration of internship (13th February 2024 to 15th May 2024), your contributions have undoubtedly made a significant impact on our projects, and your positive attitude has been an inspiration to everyone around you.

As you move forward in your journey, we have no doubt that you will continue to excel and achieve great success.

Sincerely,

A handwritten signature in black ink, appearing to read "Shantanu Darak", written over a horizontal line.

CA Shantanu Darak
Co-Founder, TrueEthos India LLP

Projects Overview

1. Qualitative Data Analysis and Web Scraping for Stock Market Analysis

Description: Designed and developed a webpage to analyze stock data sourced from the Bombay Stock Exchange (BSE). Conducted qualitative analysis on the data to identify trends and insights for investment decisions. Utilized Python and Streamlit for webpage development and web scraping.

Technologies Used: Python, Machine Learning, Streamlit

2. Stock Trend Prediction

Description: Explore stock trends interactively with Python and Streamlit. Fetch data, predict trends, and build a user-friendly web app effortlessly.

Technologies Used: Python, Machine Learning, Streamlit

3. Amazon Clone

Description: The Amazon Clone project is a robust e-commerce platform that mirrors Amazon's shopping experience. Project can be checked on my GitHub profile.

Technologies Used: HTML, CSS

4. API Integration Into Applications

Description: Developed various projects using API integration. Notably, designed "TrueFunds," available on both the Play Store and Apple App Store.

Technologies Used: APIs, Mobile Development

Domain knowledge

1. Qualitative Data Analysis and Web Scraping for Stock Market Analysis

Domain Knowledge: Financial Markets and Investment Strategies

- Understanding stock market mechanisms, financial metrics, and economic indicators.
- Knowledge of the Bombay Stock Exchange (BSE) operations and key financial data points relevant to investors.
- Insight into qualitative analysis techniques to interpret stock market trends and make informed investment decisions.

2. Stock Trend Prediction

Domain Knowledge: Financial Analysis and Predictive Modeling

- Familiarity with financial data, stock price movements, and market cycles.
- Understanding of machine learning algorithms suited for time series analysis and trend prediction.
- Insight into how predictive modeling can inform trading strategies and investment planning.

3. Amazon Clone

Domain Knowledge: E-commerce and Retail Operations

- Understanding e-commerce platforms' user experience and functionality.
- Knowledge of key features that drive online shopping, such as product listings, shopping carts, and secure checkout processes.
- Awareness of consumer behavior and market trends in online retail.

Existing system

1. Qualitative Data Analysis and Web Scraping for Stock Market Analysis

Existing Systems:

- **Manual Data Collection and Analysis:** Traditionally, investors and analysts manually collect stock data from various sources and perform qualitative analysis, which is time-consuming and prone to human error.
- **Basic Financial Websites:** Websites like Yahoo Finance or Google Finance provide stock data, but often lack advanced qualitative analysis tools tailored for specific stock exchanges like BSE.

Improvement:

- Your system automates data collection and analysis, offering more detailed insights and saving time for investors.

2. Stock Trend Prediction

Existing Systems:

- **Standard Financial Forecasting Tools:** Many financial tools offer basic trend analysis and forecasting, often with limited interactivity and customization options.
- **Historical Data Services:** Services that provide historical stock data without predictive capabilities or interactive user interfaces.

Improvement:

- Your project demonstrates the comprehensive integration of APIs, enhancing application functionality, and providing a richer user experience. Specifically, "TrueFunds" leverages API data for financial management, showcasing practical, real-world application of API integration.

Designing

1. Qualitative Data Analysis and Web Scraping for Stock Market Analysis

Designing:

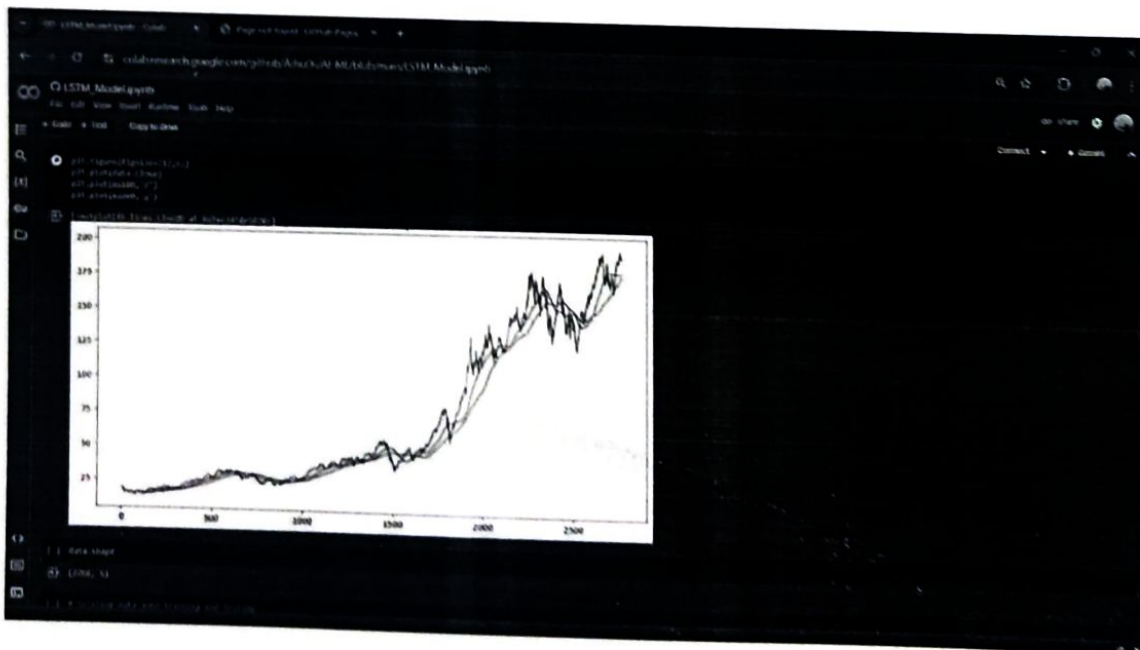
- User Interface Design: Create a clean and intuitive interface for the web scraping and analysis platform, focusing on ease of navigation and data visualization.
- Data Presentation: Design visually appealing charts, graphs, and tables to present the analyzed stock market data in a clear and understandable format.
- Interactive Elements: Incorporate interactive elements such as dropdown menus, sliders, and buttons to allow users to customize data views and analysis parameters.
- Color Scheme: Choose a color scheme that is professional and easy on the eyes, with contrasting colors to highlight important data points.
- Responsive Design: Ensure the platform is responsive and optimized for various screen sizes and devices, providing a consistent experience across desktop and mobile platforms.

Symbol	Company Name	Current Value	Change
500002	Adi India Limited	4,527	4,527.5
500003	Apco Logistics Ltd.	404.5	404.75
500008	Arora Paper Energy & Mobility Limited	816	814
500009	Arshak Sanathal Enterprise Ltd.	81.80	81.56
500012	Ashtree Infrastructures Ltd.	80.43	81.53
500014	ATIQUE ENTERPRISES LIMITED	8	8.29
500016	Arora Hotels Ltd.	14.95	14.27
500019	Bombay Spring & Mfg. Co. Ltd.	133.7	132.00
500023	Asian Metals (India) Limited	139	138.78
500027	Alia Limited	4,202.6	4,230.45

2. Stock Trend Prediction

Designing:

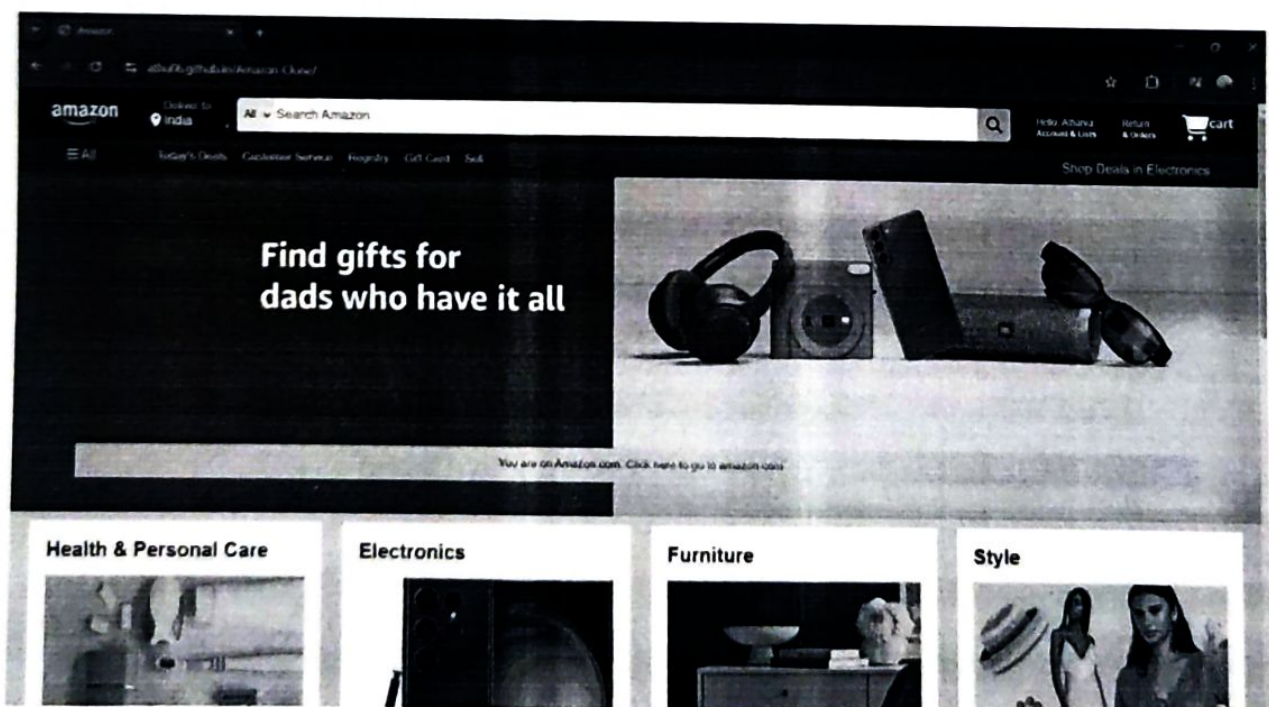
- **User Interface Design:** Develop a user-friendly interface for the interactive stock trend prediction tool, with intuitive controls and interactive visualizations.
- **Prediction Visualization:** Design charts, graphs, and diagrams to visualize predicted stock trends and historical data, helping users understand and interpret the predictions.
- **Customization Options:** Provide users with options to customize prediction parameters, such as timeframes, stock symbols, and prediction confidence levels.
- **Feedback Mechanisms:** Incorporate feedback mechanisms such as tooltips, hover effects, and explanatory text to provide users with context and guidance.
- **Accessibility:** Ensure the tool is accessible to users with disabilities by following accessibility best practices and guidelines.



3. Amazon Clone

Designing:

- **User Interface Design:** Design a visually appealing and intuitive interface for the e-commerce platform, with clear navigation, product listings, and shopping cart functionality.
- **Product Pages:** Create product pages with high-quality images, detailed descriptions, customer reviews, and related products to encourage purchasing decisions.
- **Checkout Process:** Design a streamlined checkout process with minimal steps and clear instructions, making it easy for users to complete their purchases.
- **Search Functionality:** Implement a robust search functionality with filters and sorting options to help users find products quickly and efficiently.
- **Responsive Design:** Ensure the platform is responsive and optimized for various devices and screen sizes, providing a seamless shopping experience across desktop and mobile platforms.



4. API Integration Into Applications

Designing:

- **User Interface Design:** Design user interfaces for mobile applications that are intuitive, visually appealing, and consistent with platform guidelines (e.g., Material Design for Android, Human Interface Guidelines for iOS).
- **API Integration:** Design UI components to display data retrieved from APIs in a clear and meaningful way, such as lists, cards, and detail views.
- **Error Handling:** Design error messages and handling mechanisms to communicate API errors or network issues to users effectively and guide them towards resolution.
- **Authentication:** Design authentication screens and flows for accessing secure APIs, including login screens, registration forms, and password recovery mechanisms.
- **Feedback Mechanisms:** Incorporate feedback mechanisms such as loading indicators, progress bars, and toast notifications to provide users with feedback on API requests and interactions.



TrueFunds APIs 1.0.0 (2023)

OpenAPI Spec
APIs exposed for TrueFunds Mobile Application

AuthSource

Application Version

POST /version/ Returns App Version

Authentication / Sign In

POST /login/ Login

Sign Up

POST /signup/check_existing_phone_number/ Check Existing Phone Number

POST /signup/check_existing_email_id/ Check Existing Email Id

POST /signup/ Create User

Reset Password

POST /reset_password/send_otp/ Create Password Reset Op

POST /reset_password/validate_otp/ Validate Password Reset Op

Implementation

1. Qualitative Data Analysis and Web Scraping for Stock Market Analysis

Implementation:

1. Web Scraping Module:

- Utilize Python libraries such as BeautifulSoup and Requests to scrape data from the Bombay Stock Exchange website.
- Develop functions to extract relevant stock market data, such as prices, volumes, and company information.

2. Data Analysis Module:

- Use Pandas and NumPy for data manipulation and analysis.
- Implement qualitative analysis algorithms to identify trends and insights from the scraped data.

3. User Interface Development:

- Use Streamlit to develop a user-friendly web interface for data visualization and analysis.
- Integrate interactive elements and data visualization libraries (e.g., Plotly, Matplotlib) to present analysis results.

4. Integration and Testing:

- Integrate the web scraping, data analysis, and user interface components into a cohesive application.
- Conduct thorough testing to ensure the application functions correctly and delivers accurate analysis results.

Testing

1. Qualitative Data Analysis and Web Scraping for Stock Market Analysis

Testing:

1. Unit Testing:

- Test individual components of the web scraping and data analysis modules to ensure they function correctly.
- Verify that data parsing, cleaning, and analysis algorithms produce accurate results.

2. Integration Testing:

- Test the integration between the web scraping, data analysis, and user interface components.
- Ensure that data is retrieved, processed, and displayed accurately in the web application.

3. User Interface Testing:

- Conduct usability testing to ensure the web interface is intuitive and user-friendly.
- Verify that interactive elements such as dropdown menus and charts function as expected.

4. Performance Testing:

- Test the application's performance under different loads and usage scenarios.
- Measure response times for data retrieval, analysis, and visualization to ensure optimal performance.

2. User Interface Testing:
 - Conduct usability testing to ensure the e-commerce platform is easy to navigate and visually appealing.
 - Verify that product images, descriptions, and reviews are displayed correctly and attractively.
3. Security Testing:
 - Perform security testing to identify and mitigate potential vulnerabilities such as SQL injection, cross-site scripting (XSS), and authentication bypass.
 - Ensure that user data, payment information, and transactions are protected from unauthorized access.
4. Compatibility Testing:
 - Test the platform across different web browsers, devices, and screen sizes to ensure compatibility and responsiveness.
 - Verify that the platform works consistently on desktops, laptops, tablets, and smartphones.

4. API Integration Into Applications

Testing:

1. API Testing:
 - Test API endpoints to ensure they return the expected responses for different requests.
 - Verify that authentication, authorization, and error handling mechanisms function correctly.
2. Integration Testing:
 - Test the integration between the mobile application and third-party APIs.
 - Verify that data is retrieved, processed, and displayed correctly in the application UI.
3. User Experience Testing:

Conclusion

- In conclusion, the projects outlined in this black book represent innovative solutions aimed at addressing various challenges and opportunities across different domains. From qualitative data analysis and stock market prediction to e-commerce platform development and API integration into mobile applications, each project offers unique insights and value propositions.
- While these projects hold significant potential for driving business growth, empowering users, and advancing technological capabilities, it's essential to recognize the limitations and challenges inherent in each endeavour. Factors such as data availability, model accuracy, market volatility, and security risks can impact the success and effectiveness of these projects.
- However, by leveraging appropriate methodologies, technologies, and best practices, these limitations can be mitigated, and the projects can be optimized for success. Through rigorous testing, continuous improvement, and stakeholder collaboration, these projects have the potential to deliver tangible benefits and positive outcomes for users, businesses, and society as a whole.
- As we embark on the journey of implementing these projects, let us remain mindful of the lessons learned, the challenges overcome, and the opportunities seized. By staying agile, adaptable, and committed to excellence, we can unlock the full potential of these projects and make meaningful contributions to our respective fields and industries.



PVG's, Pune-09

Department of Computer Application

Savitribai Phule Pune University, Pune

2023-2024

A

PROJECT REPORT

ON

Linux Administrator

Submitted to Savitribai Phule Pune University for

MSc (Computer Application) Sem-IV

Submitted by

Jayashree Dattu Magar

Under the guidance of

Prof. Mrs Swati Joshi

Company Letter



Offer: Computer Consultancy
Ref: TCSL/DT20218743036/Hyderabad
Date: 26/11/2021

Ms. Jayashree Dattu Magar
Gokul Nagar Flat No A-06, Tuljabhavani Nagar , Pimple Gurav Pimple Gurav,
Pimple Gurav,
Pune-411061,
Maharashtra.
Tel# 91-8329310956

Dear Jayashree Dattu Magar,

Sub: Letter of Offer

Thank you for exploring career opportunities with TATA Consultancy Services Limited (TCSL). You have successfully completed our initial selection process and we are pleased to make you an offer of employment.

This offer is based on your profile and performance in the selection process. You have been selected for the position of **Graduate Trainee** in Grade YG. Your gross salary including all benefits will be **₹1,90,926/-** per annum, as per the terms and conditions set out herein.

Kindly confirm your acceptance of this offer online through the option 'Accept Offer letter'. If not accepted within 7 Days, this offer is liable to lapse at the discretion of TCS this offer will be automatically withdrawn.

After you accept this offer, you will be given a joining letter indicating the details of your joining date and initial place of posting. The Joining letter will be issued to you only upon successful completion of your academic course and you meeting the TCS eligibility criteria.

You will also be issued a letter of appointment at the time of your joining after completing joining formalities as per company policy. Your offer is subject to a positive background check.

COMPENSATION AND BENEFITS

BASIC SALARY

You will be eligible for a basic salary of **₹7,950/-** per month.

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TATA CONSULTANCY SERVICES

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Jmagar

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Abstract

- Manage and maintain Linux-based systems and servers.
- Install, update, and patch software.
- Monitor and optimize system performance.
- Ensure system security through updates, firewalls, and access controls.
- Handle user management and account maintenance.
- Implement backup and recovery solutions.
- Configure and manage network services.
- Troubleshoot hardware and software issues.
- Use scripting languages for automation.
- Work with cloud platforms (e.g., AWS, Azure) and containerization tools (e.g., Docker, Kubernetes).
- Contribute to IT infrastructure stability, security, and efficiency.

Acknowledgement

I would like to express my special thanks of gratitude to **TATA CONSULTANCY SERVICES** who gave me this opportunity work on this project on the topic (**Linux Administrator**) which also helped me to do a lot of research and I came to know about so many things I'm very grateful to them.

Secondly, I would also like to thank my colleagues who also helped me a lot in finalizing this project within the limited time frame.

Company Profile

Name: Tata Consultancy Services (TCS)

Founded: 1968

Headquarters: Mumbai, Maharashtra, India

Industry: IT Services, Consulting, and Business Solutions

Linux-Based Services

Expertise:

- System Integration: Implementing Linux solutions for seamless operations.
- Application Development: Deploying applications on Linux for enhanced performance.
- Cloud Services: Managing Linux-based cloud environments (AWS, Google Cloud, OpenStack).
- Cybersecurity: Providing robust security solutions for Linux systems.
- Server Management: Ensuring high availability and performance of Linux servers.

Technologies Used:

- Red Hat Enterprise Linux (RHEL)
- Ubuntu
- CentOS
- SUSE Linux Enterprise Server (SLES)
- Debian

Leadership

CEO: K. Krithivasan

Chairman: Natarajan Chandrasekaran

Core Values

Integrity, responsibility, excellence, and pioneering.

Existing System & Need for system

1. **Server Management:** Oversee Linux servers, including web and database servers, and use virtualization technologies.
2. **Software Management:** Install, update, and maintain software packages and applications.
3. **System Monitoring:** Use tools like Nagios and Zabbix to monitor performance and resource usage.
4. **Security Management:** Apply security patches, manage firewalls, and control access permissions.
5. **User Management:** Handle user accounts and authentication systems like LDAP and SSO.
6. **Backup and Recovery:** Implement backup solutions and disaster recovery plans.
7. **Network Management:** Configure network services (DNS, DHCP, VPN) and ensure network security.
8. **Automation and Scripting:** Use automation tools (Ansible, Puppet) and scripting languages (Bash, Python) for task automation.
9. **Cloud Integration:** Manage cloud services (AWS, Azure) and containerization (Docker, Kubernetes).
10. **Documentation and Compliance:** Maintain system documentation and ensure compliance with regulations.

Proposed System

1. Centralized Management

- Unified dashboard for system monitoring and management.
- Automated alerts for issues and performance thresholds.

2. Advanced Security

- Multi-factor authentication (MFA).
- Regular security audits and vulnerability assessments.
- Advanced intrusion detection and prevention systems (IDPS).

3. Automated Configuration

- Use Ansible, Puppet, or Chef for automated configuration.
- Version control for configuration files.

4. Improved Backup and Recovery

- Incremental backup solutions.
- Automated disaster recovery processes.

5. Scalable Infrastructure

- Kubernetes for container orchestration.
- Integration with cloud platforms (AWS, Azure, Google Cloud).

6. Proactive Performance Monitoring

- Real-time analytics for system performance.
- Predictive maintenance to prevent failures.

7. Enhanced User Experience

- Self-service portals for common user tasks.
- Comprehensive and up-to-date documentation.

Learn Basic Commands of Linux

- **ls:** List directory contents

```
1. To show the files inside your current working directory:  
ls  
  
2. To show the files and directory inside a specific Directory:  
ls {Directory_Path}
```

Syntax:

```
ls [-OPTION] [DIRECTORY_PATH]
```

- **cd:** Change directory

<directory>: Change to the specified directory.

~: Change to the home directory.

- : Change to the previous directory.

```
1. Change the current working directory:  
cd <specified_directory_path>  
  
2. Change the current working directory to the home directory:  
cd ~
```

Syntax:

```
cd [OPTIONS] directory
```

- **pwd:** Display the present working directory.

The **pwd** stands for Print Working Directory. It prints the path of the current working directory, starting from the root.

The output would be your current directory:

```
/home/your_user/some_directory
```

Syntax:

```
pwd [OPTION]
```

- **mkdir:** Make directory

```
1. Make a directory named myfiles.  
$ mkdir myfiles  
  
2. Create a directory named myfiles at the home directory:  
$ mkdir ~/myfiles  
  
3. Create the mydir directory, and set its file mode (-m) so that all users (a) may read (r), write (w), and execute (x) it.  
$ mkdir -m a=rwx mydir
```

- cp: Copy files or directories

1. To copy the contents of the source file to the destination file.

```
cp sourcefile destfile
```

Syntax:

The general syntax for this command is as follows:

```
cp [OPTION]... SOURCE DESTINATION  
cp [OPTION]... SOURCE1 SOURCE2 SOURCE3... DESTINATION
```

2. To copy a file to another directory specify the absolute or the relative path to the destination directory.

```
cp sourceFile /folderName/destFile
```

3. To copy a directory, including all its files and subdirectories

```
cp -R folderName1 folderName2
```

- mv: Move or rename files or directories

1. To rename a file called old_name.txt:

```
mv old_name.txt new_name.txt
```

2. To move a file called essay.txt from the current directory to a directory called assignments and rename it essay1.txt:

```
mv essay.txt assignments/essay1.txt
```

Syntax:

```
mv [options] source (file or directory) destination
```

- rm: Remove files or directories

```
rm filename.txt
```

Syntax

```
rm [OPTION] [FILE|DIRECTORY]
```

- cat: Concatenate and print files

1. To display the content of a file in terminal:

```
cat <specified_file_name>
```

2. To display the content of multiple files in terminal:

```
cat file1 file2 ...
```

3. To create a file with the cat command:

```
cat > file_name
```

Syntax:

```
cat [OPTION] [FILE]...
```

- du: Display disk usage of files and directories

```
1. To show the estimated size of sub-directories in the current directory:
du

2. To show the estimated size of sub-directories inside a specified directory:
du (PATH_TO_DIRECTORY)
```

Syntax:

```
du [OPTION]... [FILE]...
du [OPTION]... --files0-from=F
```

- tar: Manipulate archive files

```
1. To create a tar file in abel directory:
tar -cvf file-14-09-12.tar /home/abel/

2. To un-tar a file in the current directory:
tar -xvf file-14-09-12.tar
```

Syntax:

```
tar [options] [archive-file] [file or directory to be archived]
```

- gzip: Compress files using the gzip algorithm

Command:

```
gzip file_name
```

- useradd: Add a new user account

```
To add a new user with the useradd command the syntax would be the following:
useradd NewUser

To add a new user with the useradd command and give a home directory path for this new user the syntax would be the following:
useradd -d /home/NewUser NewUser

To add a new user with the useradd command and give it a specific id the syntax would be the following:
useradd -u 1234 NewUser
```

Syntax:

```
useradd [OPTIONS] NameOfUser
```

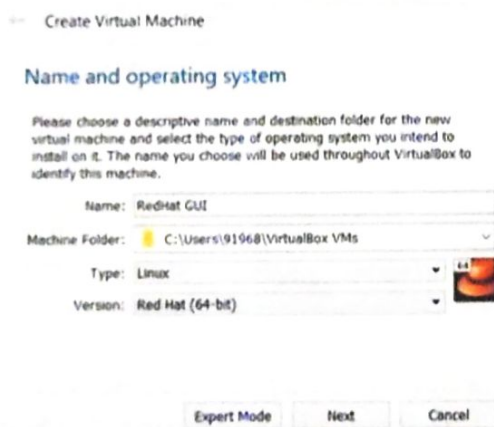
Install & Configure of VirtualBox

- **Step For Installation:**

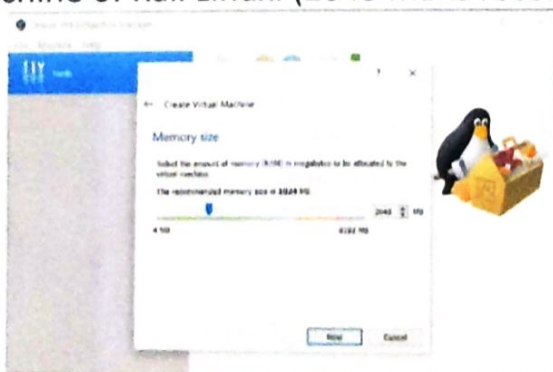
Step 1: Click on the **New** button.



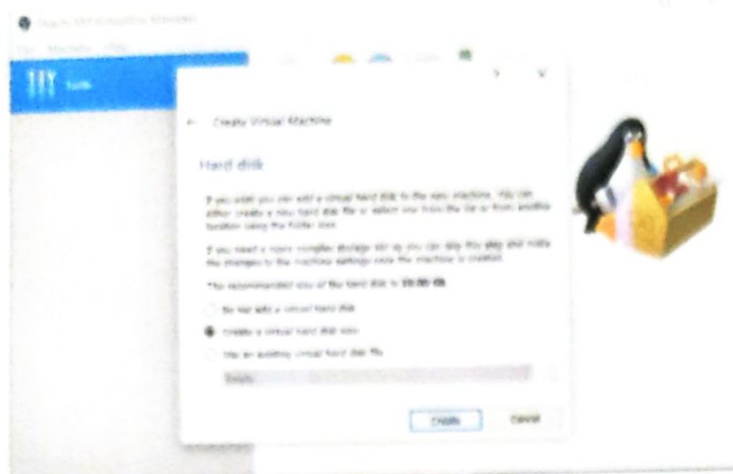
Step 2: Write the name of the virtual machine and select it to RHEL based 64bit Linux architecture.



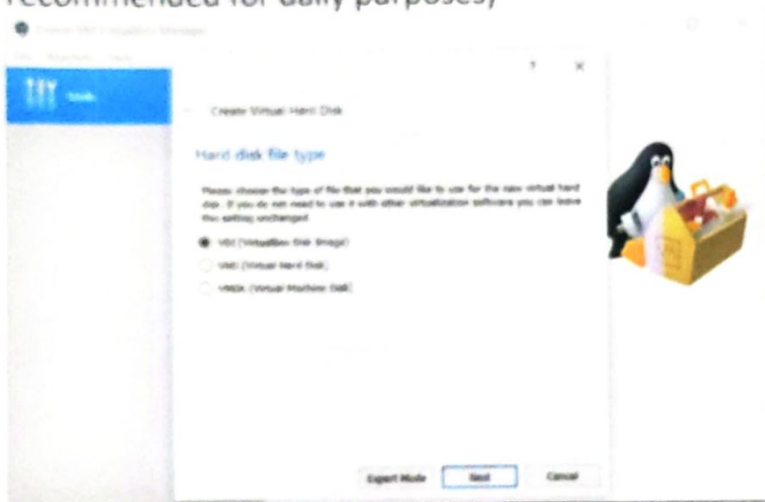
Step 3: Allot the size of RAM memory you want to allocate to the Virtual Machine of Kali Linux. (2048 MB is recommended for normal usage)



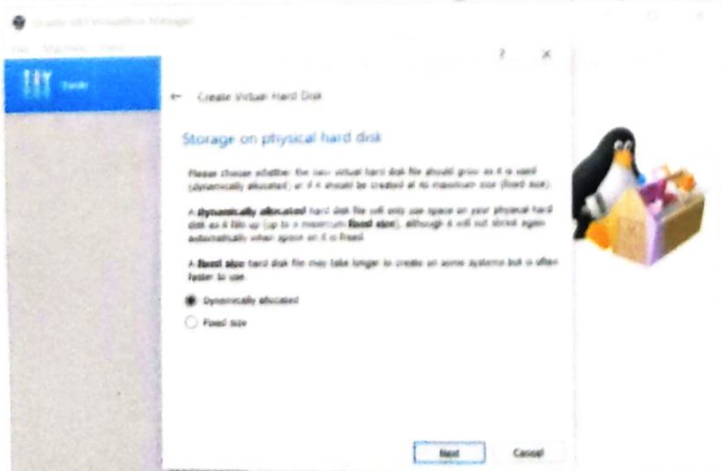
Step 4: Select the option to create a virtual hard disk now and then click on the create button



Step 5: Now, select the Hard Disk File type for Virtual Hard Disk. (VDI is recommended for daily purposes)



Step 6: Now select the type of Physical Hard Disk Storage. (Dynamically Allocated is recommended for general purposes)



Conclusion

As a Linux Administrator at Tata Consultancy Services (TCS), you play a crucial role in managing and optimizing Linux-based systems and solutions.

Your expertise ensures the reliability, security, and performance of these systems, which are integral to TCS's IT services and consulting operations.

By effectively deploying, maintaining, and securing Linux environments, you support the company's commitment to delivering high-quality, scalable, and innovative solutions to clients across various industries.

Your work is essential in enabling TCS to maintain its position as a leader in the global IT services market, ensuring seamless operations and contributing to the overall success and sustainability of the organization.