



GUJARAT TECHNOLOGICAL UNIVERSITY

Centre for Industrial Design (Open Design School)

DESIGN ENGINEERING

CONTINUOUS ASSESSMENT CARD

COLLEGE NAME: Government Engineering College, Modasa

COLLEGE CODE: 016

SUBJECT NAME: Design Engineering - II A

SUBJECT CODE: 3150001

SEMESTER: 5th

BRANCH: Computer Engineering

ACADEMIC YEAR: 2023-24

TEAM NAME: Student Helper TEAM ID: 443914

PROJECT TITLE/DOMAIN:

STUDENT HELPER

SR. NO.	TEAM MEMBER'S NAME	ENROLLMENT NO.
1	Patel Nakankumar Ashokbhai	210160107048
2	Mohit Rajendra Mahajan	210160107050
3	Shah Rudro Sunjaybhai	210160107041
4	Mandaviya Parth Kishorabhai	210160107060

INTERNAL GUIDE NAME: Ms. JODIYA ANIRUDDHSINGH KARSHANBHAI

INTERNAL GUIDE SIGN:

Head of Department

College Seal

MONTHLY ASSESSMENT - I (Observation, Empathy and Define Phase)

(DATE : 09/08/23)

1. Why students/team have taken above mentioned domain? (Please specify the reason)

(Note: For more content or information, one may attach additional pages to this card.)

As we observed many student are facing some issues related to their career, they are facing communication difficulties, So we overcome these such issues with our project.

2. How frequently student team has gone for observation on field, mention with date, place, time etc.? Which are the key observations that they have noticed?

We visit few schools and also take opinion of fellow colleges about their course and education system. 24th Sept. civil department GEC Modasa, We asked a student about his course as civil, he is disappointed to take it.

3. A. How many interactions/interviews team members have done?

We had made numerous interactions about our domain. our place for gathering is library in college campus.

- B. Who are the user and various stakeholders on domain? Describe their persona (Name, age, occupation/education, roles and responsibility etc.)

User → Student, Faculty, Principal, Freelancer, Motivational Speaker, Interviewer etc. Stakeholder → Data Administrator, Customer care, Developers, Marketing team, chartered Accountant etc.

- C. List out the questions asked by team while having observation and interview?

1) What was the purpose for taking this course?
2) Where you are wanting yourself in 5 years?
3) How frequently they are facing the communication issues.

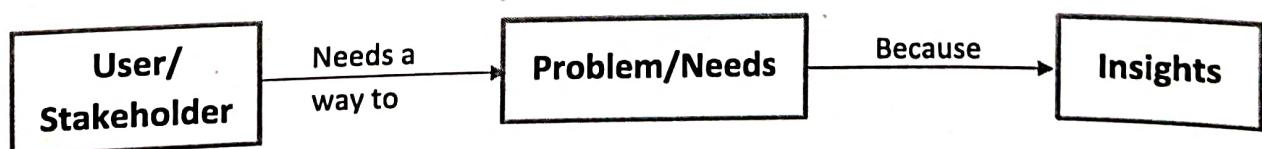
4. What is something special/random/unusual (i.e. activity, environment, interaction, object or user) team have observed at the domain? Please elaborate the conditions with photographs if available.

Our team observed that recently students are facing major difficulty in communication, presentation and choosing career path. As per observation 75-80% student are unhappy about their course or career. According to our team's observation we assumed that the stats will decrease to 40-50% by using our domain.

5. Enlist any five major problems observed by your team in the respective domain. Mention any one for which you have empathize user the most and which might become your problem statement. Give reasons of selection of particular problem/issue based on empathy.

1) Choosing career → They are facing major issues in their career due to choosing wrong course (2) Interaction → People face communication issues, they are unable to interact in front of large of public (3) Presentation issues → As a person face interaction (4) Interviews → Didn't have specific knowledge about the given domain within the discussion (5) Motivation → Due to low scoring marks and not able to make communication makes person demotivated.

6. Define your "PROBLEM DEFINITION" for the project as per below format. Which might be refine till end of Ideation phase if you wish.



SUGESTIONS BY INTERNAL GUIDE:

AEIOU CANVAS SUGGESTIONS:

EMPATHY CANVAS SUGGESTIONS:

MIND MAPPING SUGGESTIONS:

GENERAL SUGESTIONS:

Overall Mark (Out of 05):

GUIDE SIGNATURE:

Date:

MONTHLY ASSESSMENT – II (Ideation and Product Development Phase)

(DATE : 13/09/23)

1. Explain briefly Ideation thought process and efforts of your team to reach ideas for listed problems.

First of all we study or analysis the situation of our users, then we make each and every effort to solve their problems by taking interaction section with users, by providing skill development section, motivation section etc will solved the problems we noticed.

2. Enlist any five effective ideas to address the probable listed problems with reason.

1) Confusion in Stream selection : A student has recently completed board exam, and now trying to choose stream.
2) Poor Time Management ; Messy time management can cause a lot of problems
(3) Less attention on growth : The increasing number of students, this make a tough competition in education which affect growth.

3. Explain the most effective possible solution proposed for the problem.

1) Powerful database : We want speedy database with retrieving facility. When data is lost due to virus attack
(2) Availability of grievance redressal center : It is available to file complaints against any dissatisfaction you may have.

4. Explain the features, functions and working principles/technology/pattern of your proposed solution.

The features consist of powerful database system which retrieve data quickly, AI for keeping touch of constraint users etc. It is also consist of consultations to the users etc are the features. Functions consists the keeping touch on activities of the users, maintain growth of the users etc.

5. Enlist major advantages and disadvantages (atleast three) of the proposed solution.

Advantages: (1) User are able to maintain their growth rate track (2) It maintain fast access of the user data (3) Shape their career and improve the interactive skills.

Disadvantages: (1) It makes a complicated source code construction situation for the developer and programmer (2) Hard to maintain such type of complicated database system.

6. Briefly mention refinement on PDC based on User/Stakeholder's feedback on your concept.

As per the user/stakeholder's feedback, we are having a fascinated plan and they want us to create this project as soon as possible. As per their feedback out of 10, I want to create the project as soon as possible.

SUGESTIONS BY GUIDE:

IDEATION CANVAS SUGGESTIONS:

PRODUCT DEVELOPMENT CANVAS SUGGESTIONS:

LEARNING NEEDS MATRIX SUGGESTIONS (in case of 4th sem and onwards):

GENERAL SUGGESTIONS:

Overall Mark, considering assessment I (Out of 05):

GUIDE SIGNATURE:

Date:

MONTHLY ASSESSMENT -III (Detail Design, Prototype and Test phase)

(This assessment shall be done by another guide of department or

interdepartmentally along with guide)

(DATE : 18/10/23)

1. Which theoretical subjects/concepts are involved with your project? How it is useful to your project?

We are having study material section in our domain in which person will be provided a study material; Library, etc such thing. It make the user to have a specific knowledge about their interaction to make it interesting.

2. Which software/design tool/Skills you have learned/applied during the project? Explain the features of it. - Software:

1) VS Code: It is a IDE which is use to edit the code
2) Notepad++: It is a text and source code editor for use with MS windows
(3) PostgreSQL: It is used as the primary data store or data warehouse for many web, mobile, etc.

-Skills: 1) Python: It is used for the Backend of the domain
(2) Jsnode / JS: It is used to create dynamic and interactive web content
(3) HTML / SQL / CSS: SQL is for database system of domain, HTML / CSS is for frontend of domain

3. Explain the prototype/model prepared by the student/team.

Homepage consists of the updates and tests results and tracking system for their career. It consist options such as motivation career, interview, Skill development, Study-material, videos etc. We also consist a section for tests which will keep touch of the career of the user.

4. What are the materials, technology, things have utilized to make the prototype/model?
VScode, as a code editor, PostgreSQL as primary data store, Source code or data warehouse, Notepad++ to store the source code of the domain, Python used for backend, JS to create dynamic and interactive web content etc.
5. How many Iterations have you done to reach final solution? Explain modification/revised parameters/characteristics for each iteration.
We had made numerous interaction about the domain final solution. We also modified our domain repeatedly again and again. Few solution are not precise and as per we planned so we discussed about it and again modified it from base.
6. What is the scope of the project? How you are planning to implement it in future?
Our project is providing a perfect direction to the future of our human race. If we implement it in market we are planning to provide it freeware all over the globe for all kind of uses. As due to our project person can improve communication, career will get a direction, presentation skill will be improved etc.

SUGGESTIONS BY EVALUATOR:

PROTOTYPE/MODEL SUGGESTIONS:

GENERAL SUGGESTIONS:

Overall Mark, considering assessment I & II (Out of 10):

Department/Interdepartmental Evaluator name and sign:

Guide sign:

Date:

FINAL ASSESSMENT AT THE END OF SEMESTER

EVALUATOR MEMBERS DETAILS:

NAME	INSTITUTE & DEPARTMENT	SIGN.
1.		
2.		
3.		

ASSESSMENT SUMMARY:

CONTINUOUS ASSESSMENT SUMMARY:	MARKS OBTAINED
MONTHLY ASSESSMENT - I	
MONTHLY ASSESSMENT - II	
MONTHLY ASSESSMENT - III	
TOTAL (Out of 20)	
FINAL EVALUATION/VIVA MARKS (Out of 80)	
TOTAL (Out of 100)	

EXAMINER COMMENTS/SUGGESTIONS:

DATE:

INTERNAL GUIDE SIGN

HOD SIGN

COLLEGE SEAL