GUJARAT TECHNOLOGICAL UNIVERSITY

Centre for Industrial Design (Open Design School)

DESIGN ENGINEERING

CONTINUOUS ASSESSMENT CARD

COLLEGE NAME: L.D. College of Engineering	
COLLEGE CODE: 028	
SUBJECT NAME: DE-IB	
SUBJECT CODE: 3140005	SEMESTER: 4th
BRANCH: Computer	ACADEMIC YEAR: 2022-23

TEAM NAME:	TEAM ID:

PROJECT TITLE/DOMAIN:
DESIGN ENGINEERING PORTAL / EDUCATION.

SR. NO.	TEAM MEMBER'S NAME	ENROLLMENT NO.
	Jinanshi Shah	220283107032
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INTERNAL GUIDE NAME: Prof. Shraddha Modi

INTERNAL GUIDE SIGN:

Head of Department   College Seal

MONTHLY ASSESSMENT - I (Observation, Empathy and Define Phase)
(DATE :___/___/___)

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.)

   The Online Edu. has been the essential element of today's Era. Current Systems for it aren't Convenient to Operate & are full of flaws. Therefore, the platform Supporting it must also be easy to use for all users & errorless so that the student & all other users can take maximum benefit of them.

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?

   The observation has been done several times regarding the domain. Some of them are:

   30th March : LDCE premises @ 10:30 AM.

   31st March : LDCE premises @ 12:00 PM

   It was observed that many students as well as faculties are facing problems for Accessing & using the DE portal.

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

   Several Interactions have been done with various students as well as faculties regarding their experience while using the DE as well as other Online Education Portals.

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

   • USER: Faculties /Guides, Students, Chancellor, VC, Online Tutors, Media Persons, Edu. Dept.

   • STACKHOLDER: Faculties, Students, GTU Members, Print Media, Broadcast Media, Developers, DBA.

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

   1. Are you able to use existing System easily?

   2. Do you face any difficulties while Accessing the existing System?

   3. What Improvements would you like to see to Design engineering Portal?

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.

The existing portal doesn't open in mobile view as well as the login takes too much of time in processing. Frequently, the webpage also doesn't load at all. The navigation is also not easily understandable for a student.
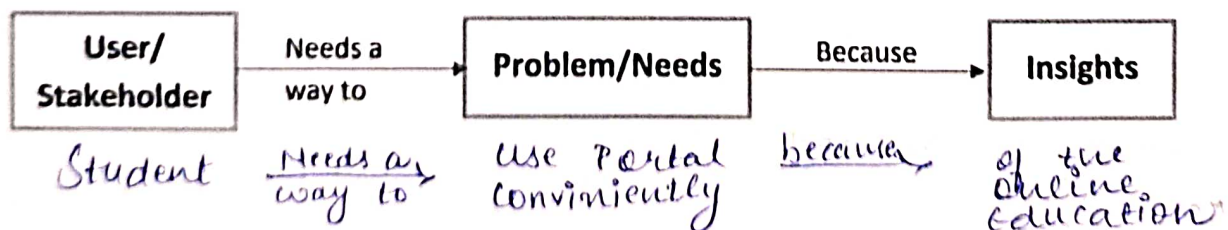
5. Enlist any five major problems observed by your team in the respective domain. Mention any one for which you have empathize user the most and which might become your problem statement. Give reasons of selection of particular problem/issue based on empathy.

1. The existing systems are very much vague.
2. Most of them doesn't support mobile friendly view
3. They're not rigid & full of flaws.
4. The existing systems are too slow to operate easily.

They doesn't support mobile friendly view is one for which we have empathized the user the most & aim at improving it.

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

User/ Stakeholder	Needs a way to	Problem/Needs	Because	Insights
Student	Needs a way to	Use Portal conviniently	because	of the online education

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SUGESTIONS BY INTERNAL GUIDE:

AEIOU CANVAS SUGGESTIONS: Do Necessary changes in environment
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 :___/___/___)

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

   Firstly, we did O/A sessions with many students & asked about their opinions on website usage. The results were briefly tested & experienced. Brainstorming was highly done in the process, then bifurcation of needs & changes were to be done which lead to many diff. ideas to recreate

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

   - Making website Mobile Friendly
   - Updating it with high end Web server
   - Giving timely e-mail Notifications
   - Low Response Time.
   - Upgrading Navigation for Easy Understandings

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

   Upgrading Navigation is the most effective solution as it mainly saves the time for students who all new enrolled & don't have Knowledge about accessing webpage. They barely have such know. & also due to low Response Time it makes more suitable for student to use webpage thus, making navigation more interactive & accessible can be most effective task as it can also increase no. of visitors

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

   Navigation will be placed accordingly for accessing ease. New Look & ful will give more User Interactions. Stu. who have lesser knowledge will also be able to access as Navigation pane will be giving much info of tabs. Navigations for the diff. tabs will also be Interconnected wherever needed so as the jumping to related content will also be easier.

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

ADV: • More user Interactions
  • students with less knowledge about website can also access it at ease.
  • It'll give more reciprocal exp.
  • Jumping will be effortless.

DISADV: • May diprioritize other Contents.
  • Cost Scalability.
  • Admin panel isn't single page
  • chances of getting distracted.

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

Support for Multiple languages is to be done. Homepage was made more responsive Along with E-mails, web Notifications were also enabled for more frequent atterations.

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:

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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 :___/___/___)

1. Which theoretical subjects/concepts are involved with your project? How it is useful to your project?
    - DBMS : used for Database & its Management.
    - Web development for website making
    - Software Engineering.
    - Data structures

2. Which software/design tool/Skills you have learned/applied during the project? Explain the features of it.
    - laravel
    - MYSQL
    - HTML / CSS / JS
    - JQuery
    - React
    - Bootstrap

3. Explain the prototype/model prepared by the student/team.
    The Prototype works on the basis of actual DE site however, with the more added functionalities it contains enhanced navigation for ease to site navigation Email Notifications so that the user don't miss any updates. It also has a very low response time. Also, update supports mobile view.

4. What are the materials, technology, things have utilized to make the prototype/model?

PC, VS code, Notepad++, Xampp, laravel, MySQL, HTML, CSS, JS, Internet, React, JQuery, Bootstrap were utilized / Implemented.

5. How many Iterations have you done to reach final solution? Explain modification/revise parameters/characteristics for each iteration.

○ 2 Iterations were done. (1) React was implemented in the 2nd Iteration to make it more user friendly.

6. What is the scope of the project? How you are planning to implement it in future?

In future, Students' & Guides' Info. can be fetched from the Univ. or Clg.'s database. Approval Notifications can be sent to the Students. Doc upload Notifi.

SUGESTIONS BY EVALUATOR: Can also be sent to Guides.

PROTOTYPE/MODEL SUGGESTIONS:
GENERAL SUGESTIONS:
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**