




GUJARAT TECHNOLOGICAL UNIVERSITY

Centre for Industrial Design (Open Design School)

DESIGN ENGINEERING

CONTINUOUS ASSESSMENT CARD

COLLEGE NAME: V.V.P Engineering College	
COLLEGE CODE: 047	
SUBJECT NAME: Design Engineering	
SUBJECT CODE: 3140005	SEMESTER: 4 th
BRANCH: Computer Engineering	ACADEMIC YEAR: 2019 - 20

TEAM NAME:		TEAM ID: 226163
PROJECT TITLE/DOMAIN: E - Census		
SR. NO.	TEAM MEMBER'S NAME	ENROLLMENT NO.
1	Dheev Vachhani	180470107059
2	Dilhem Makwana	180470107035
3	Shreyas Kotadia	180470107029
INTERNAL GUIDE NAME: Prof. Akshita Shah		
INTERNAL GUIDE SIGN: 		

Head of Department

College Seal

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

(DATE : 02/02/2020)

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.)

We have taken this domain to provide ease in management of information collected on the basis of census.

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 have done observation on 9th Jan, 2020 at Government Office and we noticed that all the census info was recorded on paper which was very messy.

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

We have done 2-3 interactions with teachers and with census officers to know what difficulty they are facing at present.

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

Government teachers, officers, census members, people, who are the users and non-tech staff, census committee are various stakeholders

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

- which fields are mandatory to fill in the census form?

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.

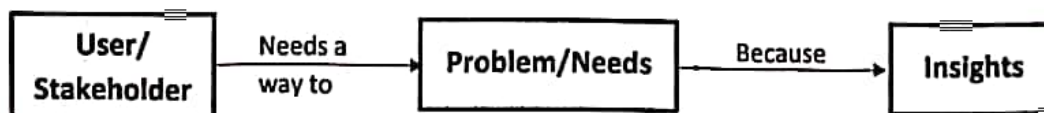
We have observed that data organization becomes very efficient and info of a particular person can be found easily as compared to the management of data on paper.

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.

- Messy & complex paperwork
- Tedious management of information
- Time consuming process. Work load of a person is more.

So, based on the above mentioned problems we have decided to develop a simple software which will solve these problems

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:

AS

MONTHLY ASSESSMENT – II (Ideation and Product Development Phase)

(DATE : 04/03/2020)

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

By observing and talking with an e-census members and census cell community members of India we have found solutions for listed problems.

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

- For dataloss we use to backup data regularly,
- technician to maintain system,
- we reduce work of many person how they work for the census of India in 2011.
- paperless work with secure data and easy access for govt.

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

The most effective possible solution for data is to go for paperless work and data lost problem is backup and recovery is best solution.

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

Overall report for higher authority to take any decisions.

Paperless work to reduce burden of government work.

Graph shows us our country growth rate with compare to others.

Regional language support for different religions in India.

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

working burden decrease,

working productivity increases,

work delayed due to server down, system failure & internet issues.

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

we got feedback for adding sms and E-mails alert for any changes in personal info. That option so that the user can get ~~also~~ alerted for any specific task or problems.

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 : 15/04/2020)

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

The main concepts of Database Management System (DBMS), SQL programming & for designing JavaScript, CSS etc and Java and Python for programming and Android Studio for app development.

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

- For database Oracle, MySQL and PL-SQL concepts
- Basis of Java programming Concepts
- Basis of Android Studio Concepts
- For designing and database connectivity we use PHP and JavaScript.

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

- User login in the system throo it unique id and pass no. and on home page we show new release updates and news related to census then if we are new user then first we fillup our information only one time then only we request it for change in it. we also show population growth and other things and for better view we give graphs for it. If you can't understand go to Help desk where all information provided to you regarding to Form. Also check Govt. new guidelines for any new added things in form.

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

Use of IDEs and technology to develop good responsive website, application and CRUTs and app development IDEs.

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

we have done many iterations to reach the final solution. some of the major modifications we have done on system are

- Added graphs, pie chart in population growth.
- Added pending task and reminders tabs on home screen for E-census members regular work.

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

In the era of technology it is efficient to use such software for small scale projects which help more in government work. The cost for census in India is much higher if we reduce it with technology then it helpful for government.

SUGESTIONS BY EVALUATOR:

PROTOTYPE/MODEL SUGGESTIONS:

GENERAL SUGESTIONS:

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

Department/Interdepartmental Evaluator name and sign:

Guide sign:

Date: