



# GUJARAT TECHNOLOGICAL UNIVERSITY

*Centre for Industrial Design (Open Design School)*

## DESIGN ENGINEERING

### CONTINUOUS ASSESSMENT CARD

COLLEGE NAME: V.V.P Engineering College , Rajkot	
COLLEGE CODE: 047	
SUBJECT NAME: Design Engineering 1A	
SUBJECT CODE: 3130008	SEMESTER: 3 <sup>rd</sup> (B.E. II)
BRANCH: Computer	ACADEMIC YEAR: 2019 - 20

TEAM NAME:		TEAM ID: 187053
PROJECT TITLE/DOMAIN: Data Analysis System for Enterprises		
SR. NO.	TEAM MEMBER'S NAME	ENROLLMENT NO.
1.	Vachhani Dhruv Hiteshbhai	180470107059
2.	Makwana Dishen Alpeshbhai	180470107035
3.	Koradia Sharvil Ashwinbhai	180470107029
INTERNAL GUIDE NAME: Prof. Maulik Ohamecha		
INTERNAL GUIDE SIGN:		

Head of Department

College Seal

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

(DATE : 13/07/19)

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 take this domain for providing  
ERP system for small scale enterprises  
for easy management.

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 observe in our office that some  
key points :- Managing papers and document  
are difficult, Difficult to find particular  
document. Monthly visited 15-July  
23-Aug

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

we have done 2-3 interactions with  
enterprise manager for getting  
designing overview.

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

Management staff, admin and head are user  
and non-tech staff, customer are  
indirect user.

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

we ask the following questions.  
- Attributes, features and  
data fields to be include in system

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.

objects

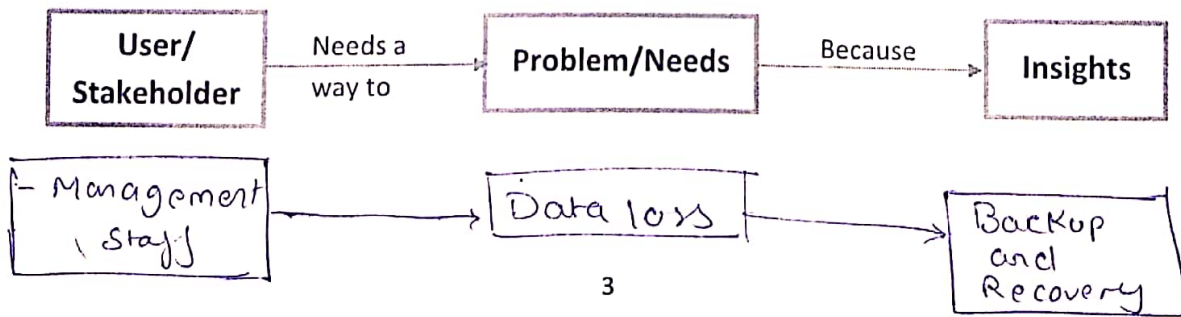
We have observed that data organisation  
becomes very efficient as there is  
almost no burden to maintain  
data on paper.

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.

Internet connectivity problem, data loss  
Server failure, System crash

for data loss problem we add the  
feature of regular backup.

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 : 17/08/19)

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

By observing and talking with an enterprise manager we have found solutions for listed problems

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

for data loss we use to backup data regularly,  
time to time maintenance of server,  
technician to maintain system,  
Good internet service provider.

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

The most effective possible solution for data loss problem is backup and recovery is best solution

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

Paperless work reduces burden,  
Monthly sales target to increase productivity  
and backup drive for recovery data

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

Working burden decreases,  
Working productivity increases,  
Work delayed due to server down  
and internet issue.

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

We got feedback for adding SMS and  
E-mail alert option so that the user  
can get alerted for any specific task.

**SUGESTIONS BY GUIDE:**

IDEATION CANVAS SUGGESTIONS:

PRODUCT DEVELOPMENT CANVAS SUGGESTIONS:

LEARNING NEEDS MATRIX SUGGESTIONS (in case of 4<sup>th</sup> 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 : 20 / 09 / 19)

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 and for designing python, Java, etc are used

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 @

- Basic C programming concepts

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

- user login(s) in the software system and in sales, yearly, monthly comparison, in Document tab we found soft copy of documents, in daily plan we found task to do list and reminders.

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

use of IDEs and technology to  
develop good responsive GUIs

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 are

- Added graphs, pie chart in sales report
- Added pending task and reminders tabs on home screen

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 enterprise.
- We will first try to implement this software in our families and try to improve it.

#### 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:



**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**