



# GUJARAT TECHNOLOGICAL UNIVERSITY

*Centre for Industrial Design (Open Design School)*

## DESIGN ENGINEERING

### CONTINUOUS ASSESSMENT CARD

|               |                |
|---------------|----------------|
| COLLEGE NAME: |                |
| COLLEGE CODE: |                |
| SUBJECT NAME: |                |
| SUBJECT CODE: | SEMESTER:      |
| BRANCH:       | ACADEMIC YEAR: |

| TEAM NAME:            |                    | TEAM ID:       |
|-----------------------|--------------------|----------------|
| PROJECT TITLE/DOMAIN: |                    |                |
| SR. NO.               | TEAM MEMBER'S NAME | ENROLLMENT NO. |
|                       |                    |                |
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|                       |                    |                |
|                       |                    |                |
| INTERNAL GUIDE NAME:  |                    |                |
| 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.)

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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?

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

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

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

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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.

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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.

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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 : \_\_/\_\_/\_\_)**

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

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

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

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

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

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

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**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 :\_\_/\_/\_\_)**

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

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

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

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

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

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

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**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  |                |
| <b>TOTAL (Out of 20)</b>  |                |
| <b>FINAL EVALUATION/VIVA MARKS (Out of 80)</b>                                |                |
| <b>TOTAL (Out of 100)</b>   |                |
| <b>EXAMINER COMMENTS/SUGGESTIONS:</b><br><br><br><br><br><br><br><br><br><br> |                |

**DATE:**

**INTERNAL GUIDE SIGN**

**HOD SIGN**

**COLLEGE SEAL**