GUJARAT TECHNOLOGICAL UNIVERSITY

Chandkheda, Ahmedabad

Affiliated

Institute Logo Here

(Name of Institute)

A Report On-

(TOPIC)

Under subject of
DESIGN ENGINEERING – 1B
B. E. II, Semester – IV
(XXXXXX Branch)

Submitted by:
Group:

Sr.	Name of student	Enrolment No.
1.		
2.		
3.		
4.		

CCCC DDDD EEEE
(Faculty Guide)

AAAA BBBBB CCCCC
Head of the Department

Academic year
(2015-2016)

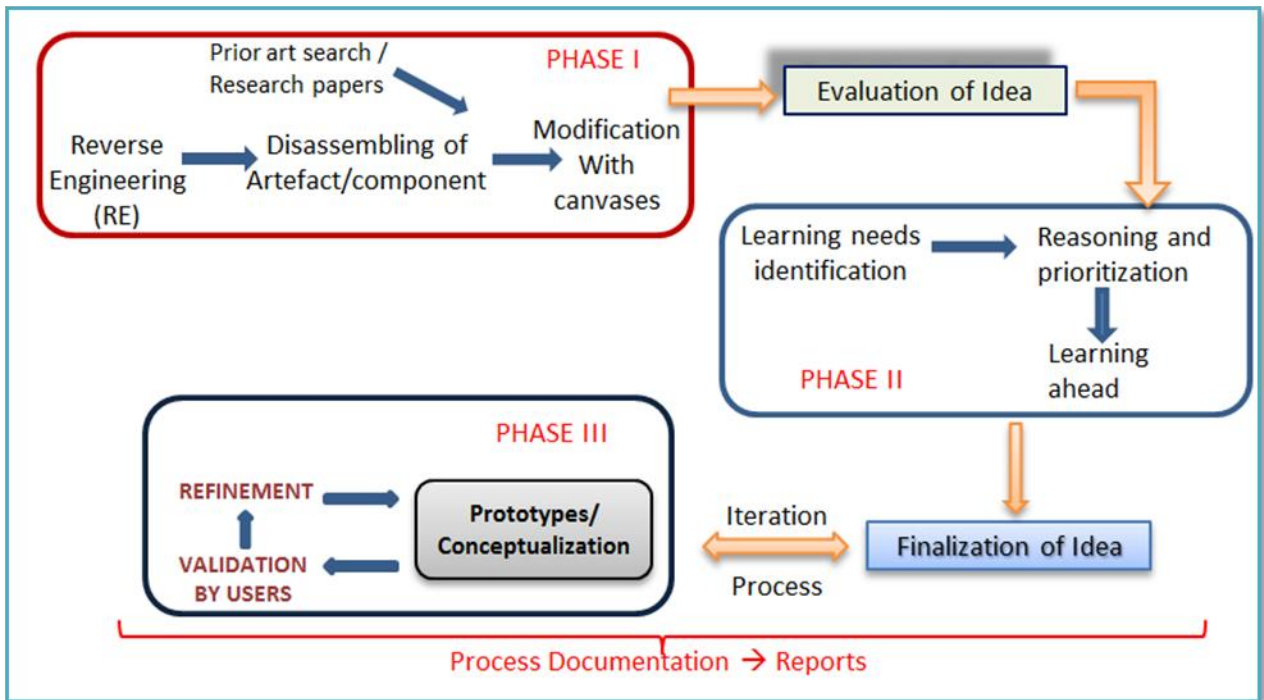## Common Instructions:

1) There is no need to repeat/ rewrite these instructions in your report document.

2) All below questions are to be attempted to best describe your thinking approaches. Questions may be answered in paragraph form. Avoid bullet unless to mention very specifically something.

3) There are no page limit/ word limit for the report, may be you can put in brief/ detail to best of your discretion. Your choice obviously. Student need to describe the process of learning during their semester work in the report along with the specific details of their projects.

4) You can also use pictures (in part or full size) of your canvas/frameworks/rough prototypes. Kindly make sure you reduce the size using compression (Format tab at top) with a resolution of 200 dpi. Teams can add picture of any part of canvases to explain particular thing in the report.

5) Sections are illustrative here. Students and faculty guide may decide their best way to express the THINKING APPROACH in the report.

6) The report can be spiral bound and team can keep one copy with them and they can give a copy to the department for record.

7) Examiner need to mail best 3 project reports to design@gtu.edu.in at the time of examination from each branch.

8) Teams will have to show the physical canvases, other frameworks and logbooks to the department/examiner during the practical examination and explain briefly.

9) After examination students team has to keep record of all the canvases, other frameworks and logbooks for their further reference or submit to the department. They need to safeguard all the canvases, other frameworks and logbooks for future references.

10) If you have carry forwarded the project from previous year/semester, examiner may ask for any previous documents related to your project in current semester, hence student need to carry all the previous documents with them to exam.

Contents:

Note: Content may vary as project to project basis and as per your branch.

During the 4th semester, the students are to follow phases, shown below:

4th semester Report would comprise:

1. **Introduction of your domain/project**

2. **Phase 1: Reverse Engineering – details of below elements**
   a. Selection and disassembling of branch specific artefact/component, study the technical aspects of it
   b. Preparation of canvases/framework (AEIOU, Mind Map, Empathy, Ideation and Product development) based on reverse engineering exercise
   c. Feedback analysis with the user shall be clearly included in the report
   d. Summary of findings of Prior Art Search on their purpose/project theme (2 summary papers per student)
   e. Modifications made in the Canvases after feedback analysis exercise if any
   f. Summary of the learning from Reverse Engineering activity

3. **Phase 2: Pre-Design (Learnings Need Matrix (LNM))**
   a. Summary on learning needs by students in the 4th Semester shall be included in report with allocation of learning requirements among the members of the group
   b. With timeline and semester specific learning by team members
   c. Basic Pre-design calculation which roughly decide size/shape/material requirement/manufacturing process/design specifications/applicable standards

4. **Phase 3: Rough Prototype model/Conceptual Plan-Layout for process related branches**

Reference guideline for DE-1B (4th semester):
http://files.gtu.ac.in/circulars/16JAN/22012016.pdf