

Gujarat Technological University

The END SEMESTER Evaluation Scheme for Design Engineering – 1A (2130005) (3rd Semester-Regular Students)

BE II – All branches

PROPER CONDUCT of ALL THE PRACTICAL/ VIVA EXAMINATIONS – A.Y. 2015-16

(<http://www.gtu.ac.in/circulars/14May/05052014.pdf>)

To,

The Principals/ Directors of Colleges/ Institutes and the Heads of Departments:

At the ensuing third semester examinations, the work of the students in Design Engineering I (a) is to be evaluated and the evaluation is to be out of 80 marks.

PROCESS OF EVALUATION: A Viva-Voce examination will be conducted at the end of the semester by a team of two examiners, one of whom will be an internal Faculty Member, who may have taught the subject. The other will be an external examiner to be appointed by the University.

(Please note that all the other practical and viva voce examinations at the end of the 3rd semester will be conducted internally by the College/ Institute.)

EVALUATION SCHEME:

Sr. No.	Particular	Sub-Head Weightage
1.	Understanding of Design Thinking methodology/ need ✓ Importance of various Learning tools of Design Thinking	15
2.	Observation towards Empathy ✓ Field Activity/observation and outcome ✓ Mind Mapping-Summarization and data analysis ✓ Observation Technique (AEIOU Summary)	20
3.	Log book exercise/preparation	10
4.	Understanding of canvases ✓ Empathy mapping ✓ Ideation Canvas ✓ Product development	15
5.	Problem Definition ✓ Secondary research/ Prior art search ✓ Diachronic and Synchronic analysis	10
6.	Compilation of work report (process report), Future action plan, Question and Answer, Communication Skill	10

Note:

- ✓ Total Marks for the subject: 80
- ✓ Minimum passing marks: 40/80
- ✓ Ratio of evaluation by internal/external examiner appointed: 50% in each sub-head
- ✓ For preparation of their report, students shall follow the format provided by GTU. However, depending on the case, the content may be modified as the case may be.
- ✓ Students need to explain all canvases prepared in hard copy to the panel of examiners (internal and external) along with the logbook prepared by them.
- ✓ Power point presentation is not mandatory but desirable.

Appendix:

Students deserve a proper practical/ viva/ project examination of the work that they have done over the semester (or over the final year for a 2-semester project.)

It is the responsibility of the University that all its examinations are conducted fairly, sincerely and with due diligence.

Please look into the following for

1. Please make proper arrangements so that all the examinations start in-time. If due to any reason, the exam should not start at the right time, please inform the examiners that they should take extra time. But in no case the viva/ practical exam be conducted in a hurry without giving sufficient time for evaluation of every student. If an exam is scheduled to be held over two days, please make the necessary arrangements.
2. The University expects the Deans (and or special teams headed by the Dean or his/ her nominee) to visit the Colleges during the practical/ viva examinations.
3. Please see that all the necessary help and information is provided. Please receive them so that they can do their job properly without wasting their time in searching for the place and in contacting the concerned examiners and students. If they should want to visit the laboratories/ workshops, please make the necessary arrangements.
4. Please inform the external examiner that he/ she must note down the best 3 Reports of the department and convey the details of such projects by uploading the details of the project or/ and the complete project report on the University's server.
5. In case Internet or the server should not work, please provide the technical help to the external examiner for preparing a CD of the reports of the best three projects of every

department and please make arrangements to deliver the CD to the examination department of the University.

References: For AY 2015-16

- Please refer the guideline at following link for more details:

http://gtu.ac.in/circulars/15June/19062015_01.pdf

- The format of the Report is attached.

Note: The following was published last year on the web-site. It is being given again below so that you may not have to search it out.

Evaluation Scheme for Design Engineering – 1A (2130005) (3rd Sem-Remedial Students)

PROPER CONDUCT of ALL THE PRACTICAL/ VIVA EXAMINATIONS

(<http://www.gtu.ac.in/circulars/14May/05052014.pdf>)

(Also refer: <http://files.gtu.ac.in/circulars/14DEC/06122014.pdf>)

To,

The Principals/ Directors of Colleges/ Institutes and the Heads of Departments:

Students deserve a proper practical/ viva/ project examination of the work that they have done over the semester (or over the final year for a 2-semester project.)

It is the responsibility of the University that all its examinations are conducted fairly, sincerely and with due diligence.

So please look into the following:

1. Please make proper arrangements so that all the examinations start in-time. If due to any reason, the exam should not start at the right time, please inform the examiners that they should take extra time. But in no case the viva/ practical exam be conducted in a hurry without giving sufficient time for evaluation of every student. If an exam is scheduled to be held over two days, please make the necessary arrangements.
2. The University expects the Deans (and or special teams headed by the Dean or his/ her nominee) to visit the Colleges during the practical/ viva examinations.

3. Please see that all the necessary help and information is provided. Please receive them so that they can do their job properly without wasting their time in searching for the place and in contacting the concerned examiners and students. If they should want to visit the laboratories/ workshops, please make the necessary arrangements.
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Appendix 1: The END SEMESTER Evaluation Scheme for

Design Engineering I (A) (2130005) (3rd Sem-Remedial Students)

BE II – all branches

At the ensuing third semester examinations, the work of the students in Design Engineering I (A) is to be evaluated and the evaluation is to be out of 80 marks.

PROCESS OF EVALUATION: A Viva-Voce examination will be conducted at the end of the semester by a team of two examiners, one of whom will be an internal Faculty Member, who may have taught the subject. The other will be an external examiner to be appointed by the University.

(Please note that all the other practical and viva voce examinations at the end of the 3rd semester will be conducted internally by the College/ Institute.)

EVALUATION SCHEME:

Sr. No.	Particular	Sub-Head Weightage
1.	Understanding of canvases – Empathy mapping, ideation, product development	30
2.	Question-Answers related to understanding of selected domain, Design thinking methodology including soft-skills of students	20
3.	Compilation of work (report) – problem definition, preparation of report, exploration of feasibility of the project, steps followed by student while development, list of documents referred	20

4.	Future action plan along with identification of detailed engineering aspects to be explored in future	10
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Note:

- ✓ Total Marks for the subject: 80
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- ✓ For preparation of their report, students shall follow the format provided by GTU. However, depending on the case, the content may be modified as the case may be.
- ✓ Students need to explain all canvases prepared in hard copy to the panel of examiners (internal and external).
- ✓ Power point presentation is not mandatory but desirable.

References: For AY 2014-15

- Design Engineering help Manual:
http://gtu.ac.in/circulars/15Apr/04042015_Designmaual_2.pdf
- Report Format:
http://files.gtu.ac.in/circulars/14DEC/06122014_Format.pdf