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=== *** ===

COMMENT OF GRADUATION THESIS

Project title:
Full name of student: student ID:
Class: Key:
Instructors:
Supervisor:

COMMENTS instructor

The teachers evaluate student projects on the following aspects:

- Tasks are assigned, urgency, scientific significance, practice, ...: (maximum 2/10) points
- The results achieved: (maximum 6/10) point
- Attitude to work: (maximum 2/10) points
- Conclusion:
- Total: (/10) points

Hanoi, day ... month ... year 20 ...
Reviewers
(Sign, write full name)

GENERAL PROVISIONS ON GRADUATION THESIS

I. Purpose

Students will apply the knowledge gained from the studied modules to solve technical problems in the fields of automotive industry, such as: proposed systems engineering solutions; design, calculation and setting up the manufacturing technologies of new products; setting up the process of maintenance, repairation of machinery in the field of transportation.

II. Request

- Grasp the scheme.
- Analysis of choosing the right technical solution.
- Analysis of the correct basis of calculation.
- Calculate the exact specifications of the project.
- Demonstration and drawing standards, reflecting the content of the project.

III. These specific provisions

3.1 Notes

- Around 50 to 80 pages typed single-sided on A4 paper with specifications as follows: font Times New Roman, font size 14, spacing 1.5, left margin 30mm, right margin 20mm margin on 20mm and bottom margin of 20mm.
- Content analysis notes include technical solutions and calculate the technical parameters of the project.
- Formally structured notes as follows:
 - + Cover is presented in the form
 - + Sheet tasked form graduation thesis
 - + Contents
 - + All contents of the calculation of the graduation thesis
 - + References

3.2. Drawing

- Each graduation thesis with minimum 05 A0 size drawing in which at least 02 structural drawing,
- The drawing must be presented in accordance with regulations, standards and technical drawings.

IV. Oral presentation jury

- The school supervisor
- The company supervisor

Communication teacher can be involved in the jury for report and oral form assessment.

Oral presentation evaluation

- * Form: 15%
 - Support quality (plan, paging slides, readability) 6%
 - Speech quality 6%
 - Respecting presentation time 3%
- * Substance: 15%
 - Presented contents with respect to the objectives 6%
 - Skills and mastering the subject 6%
 - Video or illustration 3%
- * Answers to questions: 70%
- * Total grade →
 - < 50%: not pass
 - ≥ 50%: pass

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF TRANSPORTATION ENGINEERING
Department of Automobile Engineering
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ENGINEER GRADUATION THESIS

**Inventor software application in the 3D design of
steering system of the 5-seat car**

Supervisor: Dr. Trinh Minh Hoang

Student: Vu Tuan Anh

Student ID: 20111029

Class: Transportation Engineering K57

HANOI - 2017

GRADUATION THESIS ASSIGNMENT

Student's name: **Vu Tuan Anh**

Student ID: 20111029

Course: K57

Academic Field: Transportation Engineering

Major: Automobile Engineering

- 1. Thesis title:** Inventor software application in the 3D design of steering system of the 5-seat car
- 2. Initial data:**
Refer to Toyota Vios
- 3. Content of design calculation work and thesis outlines:**
 - Chapter 1: Overview
 - Chapter 2: Analysis the design options and calculate the steering system design
 - Chapter 3: Inventor software application in the 3D design of steering system of a 5-seat car
 - Chapter 4: Assembly, maintenance and repair of the steering system
- 4. Technical drawings and infographs:**
 - Drawing 1: General layout on an A0-size drawing;
 - Drawing 2: Structure of the steering and auxiliary structure on an A0-size drawing;
 - Drawing 3: layout options on an A0-size drawing;
 - Drawing 4: Principles of helper operation on an A0-size drawing;
 - Drawings 5: Drawings of some details on an A0-size drawing;
 - Drawing 6: 3D drawing of the steering system on an A0-size drawing;

- Drawing 7: 3D drawing of assembly of steering system on an A0-size drawing.

5. Supervisor:

Dr. Trinh Minh Hoang

Department: Automobile Engineering

School of Transportation Engineering

6. Date of assignment received: 8/2015.

7. Date of thesis completion: 1/2016.

Supervisor
(Signed)

Dr. Trinh Minh Hoang

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