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| **HCMC UNIVERSITY OF TECHNOLOGY** | SOCIAL REPUBLIC OF VIETNAM |
| Faculty of Transportation Engineering | Independence - Freedom - Happiness  **------------------------------------** |

# THESIS ASSIGNMENT

**Student’s full name :** Hồ Bình Minh **Student’s ID :** 1852169

**Training program :** Automotive Engineering **Class :** CC19OTO1

1. **Thesis/Project title**: Modeling and simulation the resistance torque for specific wheel alignment in the Electric Power Steering system by using Matlab/Simulink and its application.
2. **Requested content :**

\_ Find out how wheel alignment can affect the resistance torque in the steering mechanism especially in the EPS system.

\_ Fully understanding knowledge about the resistance torque between the tire force and road surface in steering mechanism especially in the EPS system.

\_ Build the complete model of the resistance torque between the tire forces and road by using Matlab/Simulink.

1. **Requested products :**

⌧ Full report ⌧ Poster ◻ Scientific paper

◻ Software ◻ Firmware ⌧ Simulation model

◻ General layout drawings ◻ Detailed drawings ◻ Assembly drawings

◻ Others:

1. **Date of assignment** *(dd/mm/yyyy)* **: 23//12/2022**
2. **Date of accomplishment** *(dd/mm/yyyy)* **: 22/05/2023**

**The Thesis assignment is approved by the Department of Automotive Engineering.**

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| *Date (dd/mm/yyyy) :* …………………..  **Head of Department** | *Date (dd/mm/yyyy) :* …………………..  **Thesis Advisor** |