

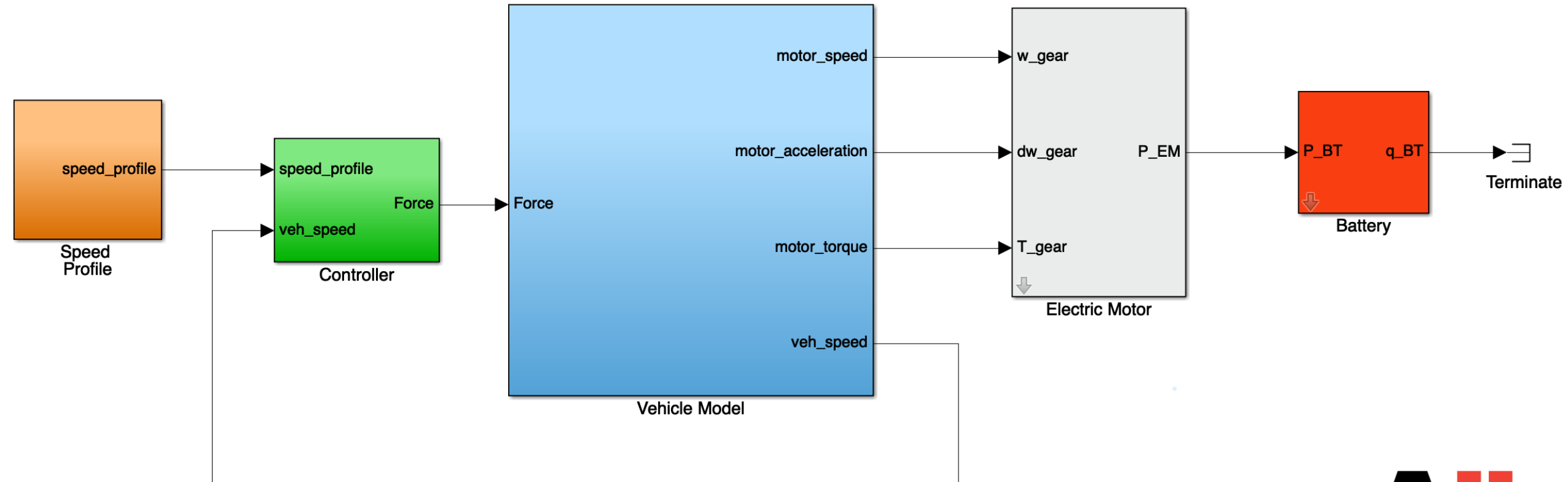
# **MEC-E5006**

# **Vehicle Mechatronics**

# **Project Work**

**Subhadyuti Sahoo**  
**Jesse Pirhonen**

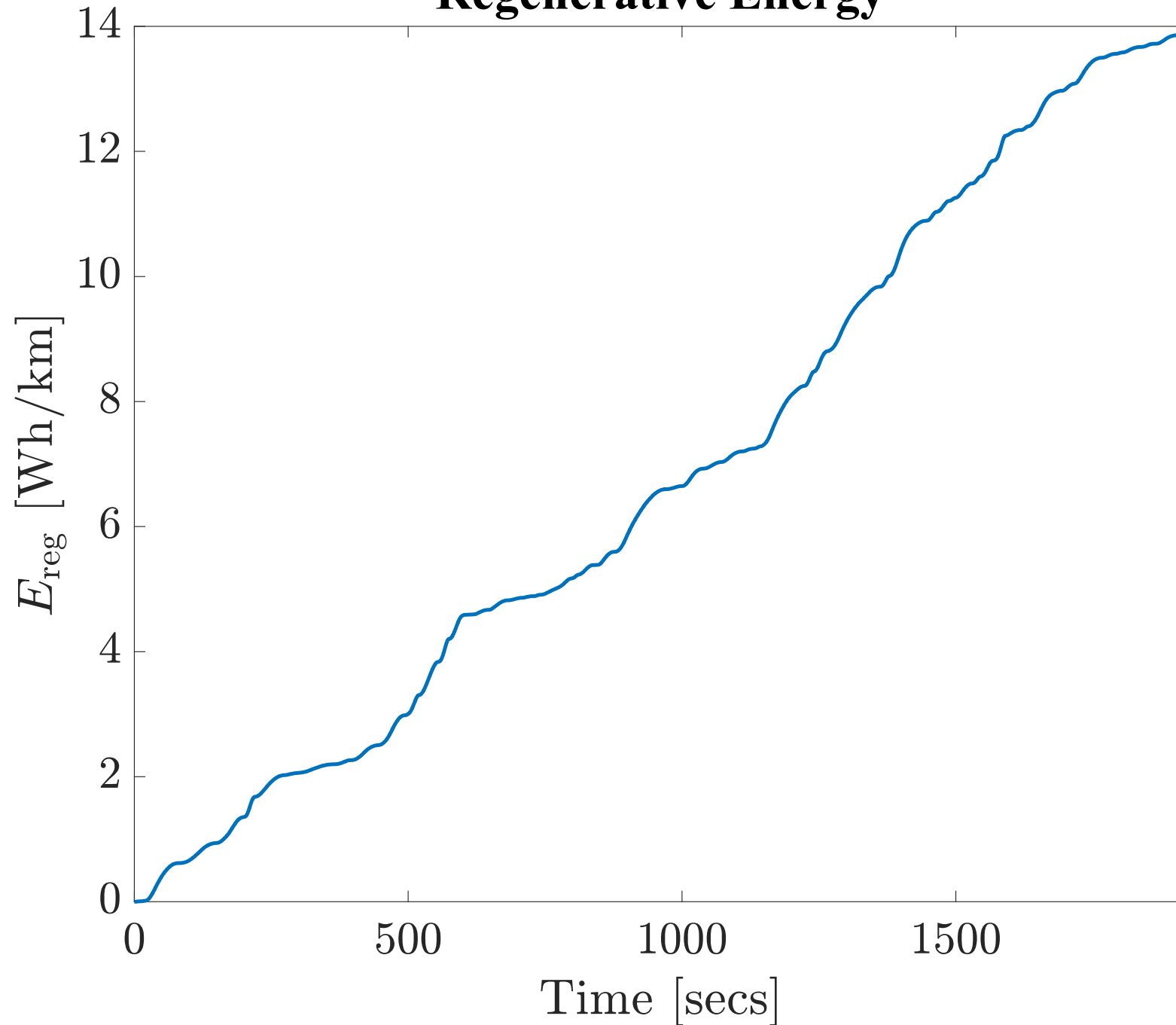
# Vehicle Model



# Regenerative Energy

- Powers coming from motor to battery
- In simulations, these are similar to those which are less than zero
- Energy computed from these power values is called regenerative energy
- Helps in charging the battery, hence range of the battery can be improved
- Energy is computed by integrating the negative power values

# Regenerative Energy



THANK  
YOU!

