Høgskolen i Sørøst-Norge

University College of South East Norway

FMH606 Master's Thesis

Title: Development of Prototype for Registration of Road Data

TUC supervisor: Hans-Petter Halvorsen

External partner: Statens vegvesen (Norwegian Public Roads Administration)

Task description:

Analyze, design and development of a prototype for an application that can be used to register typical road data, e.g., detection and registration of objects (road signs, etc.) that are mounted on and along roads.

The system application needs to be able to communicate with the NVDB API for registration of data. NVDB (in Norwegian: "Nasjonal vegdatabank") is National road data bank (database) where all information about all Norwegian roads are stored.

Use of GPS location will also be of interest.

Some challenges may be: The system should be able work under all kind of weather conditions, accuracy of the GPS location is important and challenges with data communication along Norway's roads.

Task background:

The Norwegian Public Roads Administration (Norwegian: Statens vegvesen) is a Norwegian government agency responsible for the state and county public roads in the country. This includes planning, construction and operation of the state and county road networks, driver training and licensing, vehicle inspection and subsidies to car ferries.

Student category: SCE students

Practical arrangements: It is an advantage if the student can speak Norwegian

Signatures:

Supervisor (date and signature):

Students (date and signature):