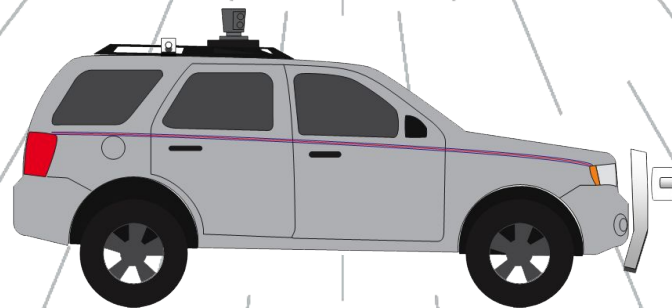# CAT VEHICLE REU 2019

Introduction to Linux

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Introduction

- Linux, developed by Linus Torvalds

- Free, open-source

- Many distributions: Ubuntu, Fedora, Opensuse, Debian, etc.

- Most popular ones: Ubuntu and Fedora

- Excellent for programming real time systems

- We will talk about Ubuntu

Topics to cover – I

- sudo and su - : Concept of root user

- Directory structure of Ubuntu

- Command line interface in Ubuntu

  - Creating directory, changing directory

  - Deleting directory

  - Creating files, deleting files

  - Concept of chown, chmod

  - Listing directories

  - Man page in the Linux

  - Vi Editor

Topics to cover – II

- date command
- find command
- grep command
- hidden files
- Navigating in settings
- ifconfig
- pwd

Command Line Interface

- https://tutorials.ubuntu.com/tutorial/command-line-for-beginners#0
- https://maker.pro/linux/tutorial/basic-linux-commands-for-beginners

Vi Editor

- https://www.tutorialspoint.com/unix/unix-vi-editor.htm
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Using apt to install softwares

- https://itsfoss.com/apt-get-linux-guide/
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