DORLE CONTROLS

Vehicle Control Systems For Everybody

Learn by doing...

Topic Outline

Vehicle Control Systems for Everybody or VCSE is 200 hours of task-based learning program for those interested in learning the fundamentals of system modelling, simulation, controls and analysis. The program starts on March 15 and ends on April 15.

WORK WITH OUR ENGINEERS

LEARN BY HELPING US SOLVE A PROBLEM

No classroom instructions

VCSE is a live research based program unlike typical classroom teaching programs. It provides you with a first hand experience of how a controls software engineering job is done in a company.

It's a mix of internship and a learning platform where you get to work with a live team and a mentor on a project that counts.

WORK ON THE LATEST AREAS

Powertrain

Design and development of feature software, controls, calibration, testing, research and analysis of engine, motor, battery systems.

Transmission

Development of controls and software for a variety of transmission control systems including CVT, DCT, PGT, AMT, Manual and AT

Autonomy

We are developing model-based controls software for ADAS features, generating test scenarios, verifying and validating the software in CV, SLAM, OD, SF areas.

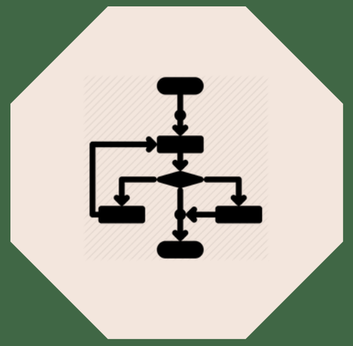
Integration

Integration of software and hardware, supervisory controls, interface management system and application layer generation and testing.

What you'll work on?

TENTATIVE TOPICS

MATLAB SIMULINK practice



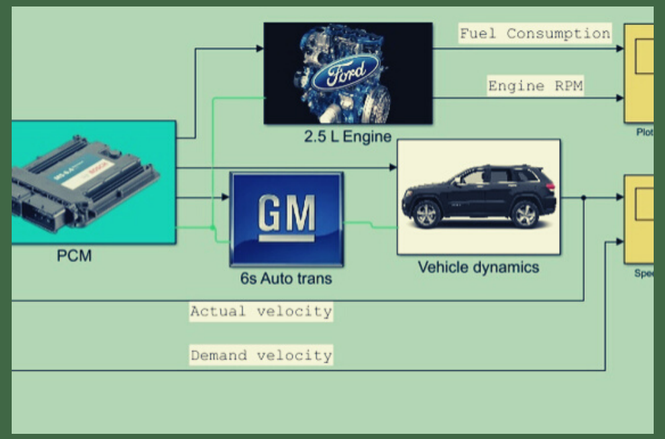
Feedback systems implementation

Modeling automotive dynamics

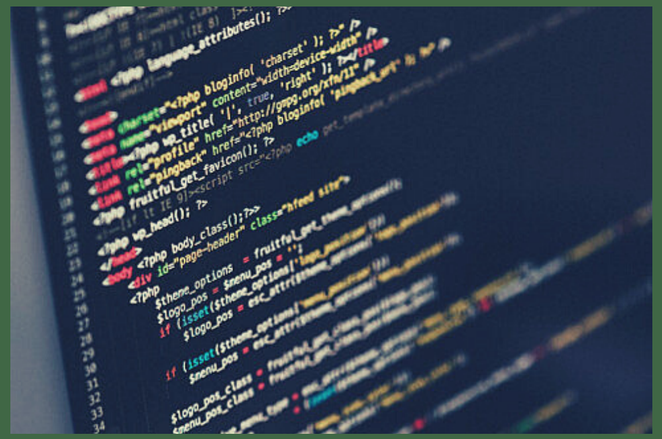
Design an intelligent system

Technical report & presentation in SAE format

LEARN HANDS ON



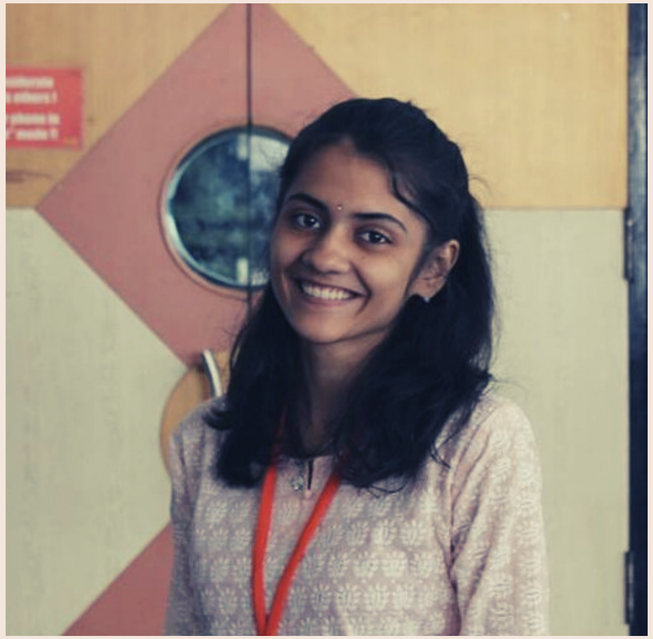
MODEL



CODE

TEST

YOU WILL WORK WITH



Priyanka D

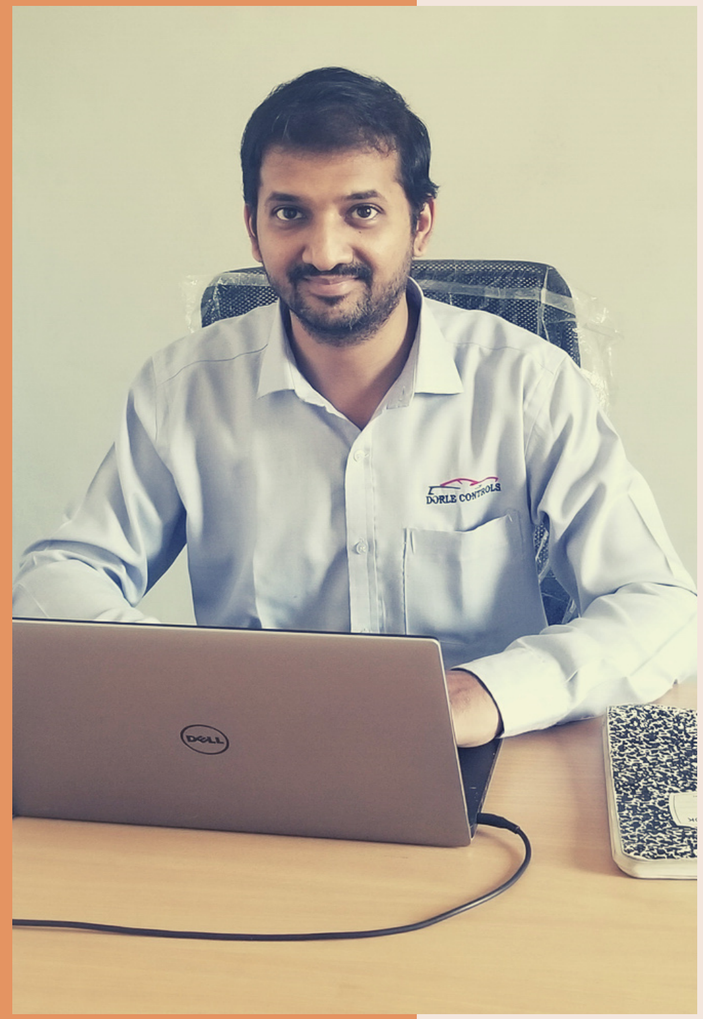
e-Powertrain Controls

Mayur W

ADAS software

Kantesh B

Vehicle integration



Ani Dorle

MBD CONTROLS SPECIALIST

Professional Background

Ani has been solving automotive engineering problems since 2007 in the areas of powertrain and since 2018 in ADAS

Skills

His primary work involves modeling, controls, coding, scripting, algorithm design, requirements, robustness, architecture, MIL/SIL/in vehicle testing, CAN comstack, vehicle system integration co-simulation.

Take the right foot forward

Solve real life problems

You'd work on tasks we are trying to solve and learn in the process. It's a unique opportunity to showcase your problem solving skills

Get certified

you will be issued a certificate of participation/completion/excellence based on your performance.

Start your journey in controls software

The best way to get started is by getting something done. There is overwhelming amounts of literature out there but if you didn't implement you hardly learnt.

ALL YOU NEED IS

1

HOME OFFICE

Presentations are communication tools that can be demonstrations,and more.

2

COMPUTER

Presentations are communication tools that can be demonstrations,and more.

3

ZOOM

Presentations are communication tools that can be demonstrations,and more.

4

SIMULINK

Presentations are communiation tools that can be demonstrations,and more.

Enrollment Contact

SEND OUT AN EMAIL TO

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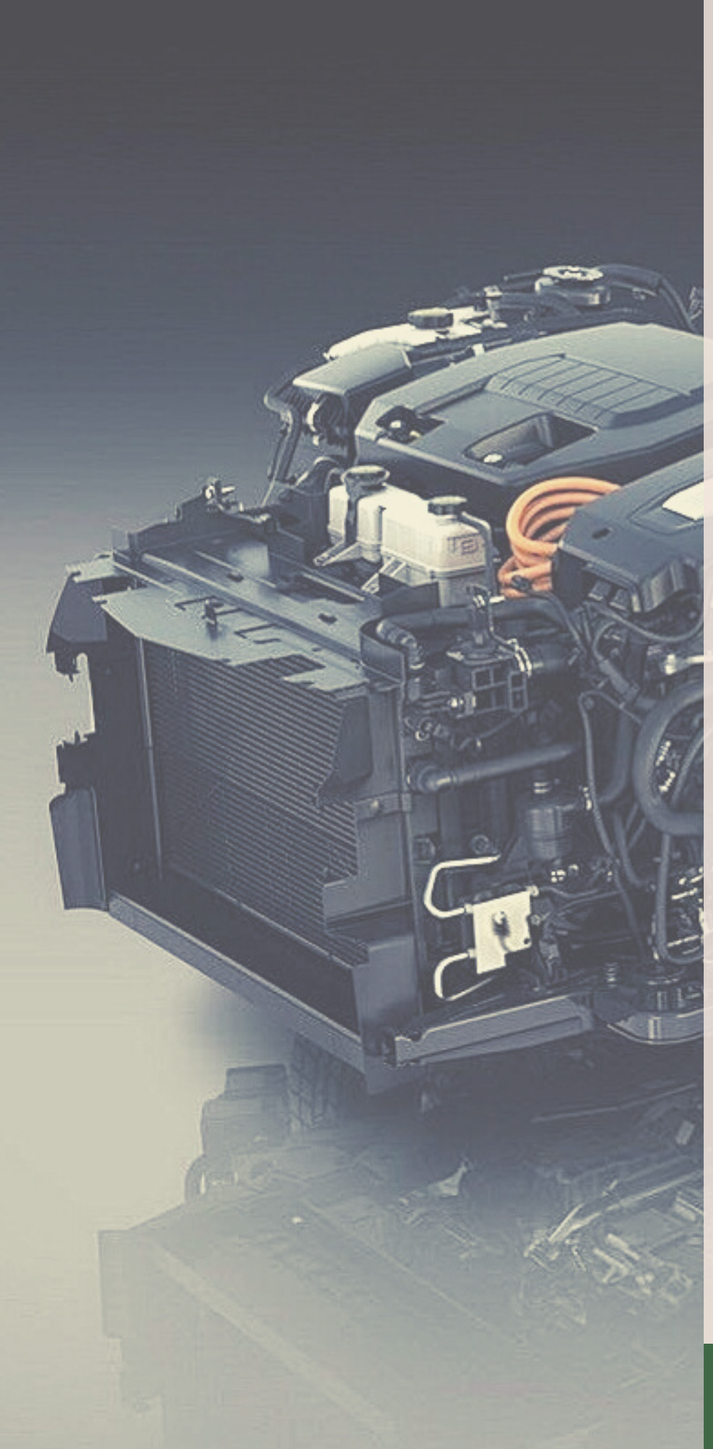

Thank you.

Have a great day!