**Port Creation**

**Step 1:-**

Mapped the project you work on.

**Step 2:-**

Open **S** drive and compile.

**Step 3:-**

Go to S 10\_Configuration 10\_DPA\_Config

And open **dpa** file in Developer.

**Step 4:-**

In Developer

Go to object browser Application Components Types

In that what software component you need to create a port you can create

**Step 5:-** port creating

PORT prototype list new port interface then create a port

**Step 6:-** map with runnable

After creating a port we need to map it with runnable

Runnable entity list select runnable to map new and then select the created port.

**Step 7:-** check

**Step 8:-** create another port for interfacing or interface with already created port

**Note:- same process for creating a port step:- 4 to step:- 7.**

**Step 9:-** if no error

Go to object browser select software component and generate component implementation template

**Step 10:-** open same **dpa** configurator

Go to runtime system ECU software component ECU composition

Application port

In that search for the created port and see that it is mapped successfully or not

If it is not mapped then right click and connect with the port you need to connect.

**Step 11:-**

After mapping go to setting SWC Templates and Contract Headers

In that select the software components in which we create a port and then generate

So that whatever ports we create for that definition will be created by Davinci configurator

**Step 12:-**

Open .c file from 40\_appl and check the difference of the files for respected SW Components and modified that files respect to created ports.

And save it.

**Step 13:-** compile the project

If no error then ready to test.

**For testing**

**Step 1:-** open the project in CANoe

70\_tools 50\_CANoe OBC\_Gen4 .cfg (CANoe file)

**Step 2:-** check that it connect with ECU or not (hardware)

**Step 3:-** start(run) the setup

**Step 4:-** For dumping the code go to

70\_tools 30\_winIdea and select WinIdea workspace file

**Step 5:-** check for hardware connection

**Step 6:-** download the file

**Step 7:-** run the code.

**Step 8:-**

go to CANoe in that go to Diagnostic and check what data you need to monitor

**Step 9:-** from signals you can change the signal values and check.