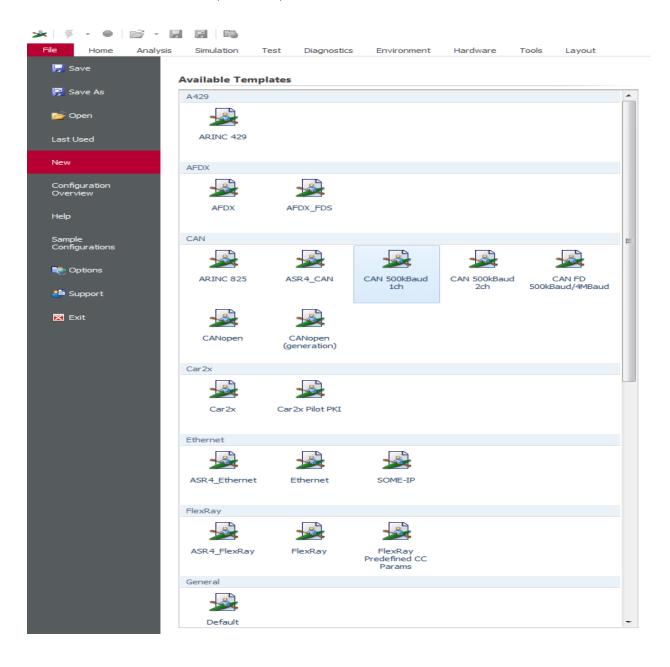
To Automate TENMA POWER SUPPLY 72-2540.

#### STEP1:

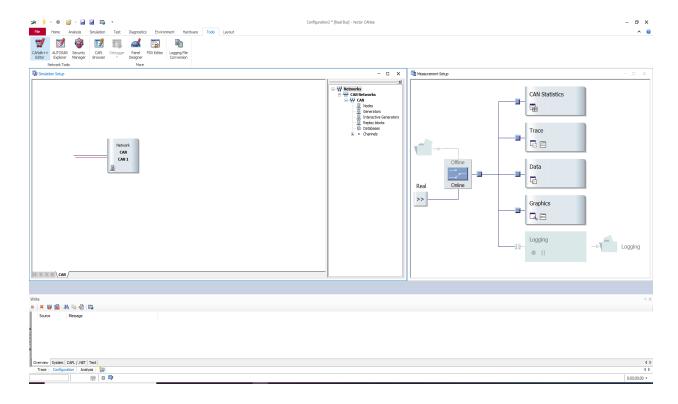
## (Open CANoe and create a new project)

OPEN CANoe software.

File→ New→ CAN500KBaud(1channel).



# New window opens:



## STEP2:

# (Insert a Network Node)

Right click on the red/black wire and select 'Insert Network Node'.

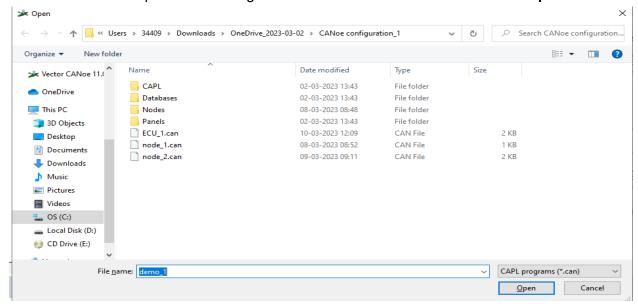


#### **STEP 3:**

### (Open CAPL browser of the network node)

Double click on the yellow pencil ( ) shown on the network node.

Now a new window opens for entering file name. Provide the file name and click 'open'.



Now the CAPL browser opens.



#### **STEP 3:**

# (Place the CAPL Code)

Now paste the code after the **variable section** in the CAPL window.

```
on start
{
    long res;
    res = rs232Open(4); //open port number 4
    if(res==1)
        write("opened port is success");
    res = rs232Configure(4,9600,8,1,0); // 4 indicates port number and 9600 indicates the baud rate.
    if(res==1)
        write("configure port is success"); //In the write window "configure port is success" message will appear.
}
```

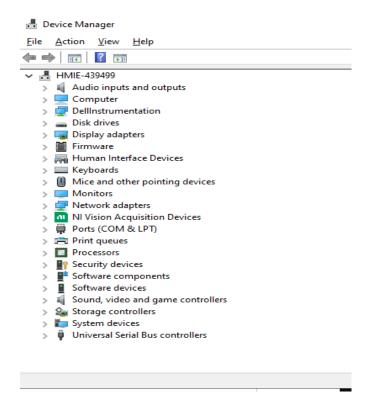
//To know the port number (rs232 converter connects to the CPU).

Open the **command prompt** window . Then type **devmgmt.msc** and press enter .

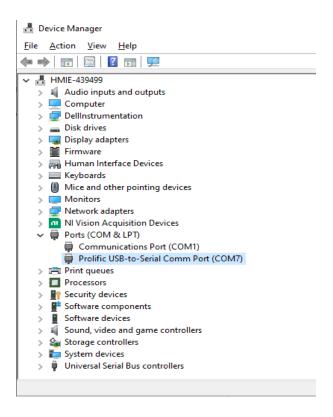
Command Prompt

```
Microsoft Windows [Version 10.0.19042.1706]
(c) Microsoft Corporation. All rights reserved.
C:\Users\34409>devmgmt.msc
C:\Users\34409>
```

# Now the device manager window opens.



Select the **port** option here.



# Here it shows the port is 7

```
on key 'i'
{
  int i;
  int length;
  long res;
  char text[30] = "ISET1:2.0";
  byte buffer[30];
  length = strlen(text)+1;
  for(i=0;i<length;i++)
       buffer[i]=text[i];
  res = rs232Send(4,buffer,length);
  if(res==1)
      write("send success");
}</pre>
```

This section shows the current level to 2.0 Ampere . 'ISET1:2.0' Command of TENMA Power supply to set the voltage level (channel 1) . [Only occurs when pressing the key 'i' in the keyboard]

This section shows the voltage level to 5.0 Volts . 'VSET1:5.0' Command of TENMA Power supply to set the voltage level (channel 1) .[Only occurs when pressing the key 'v' in the keyboard]

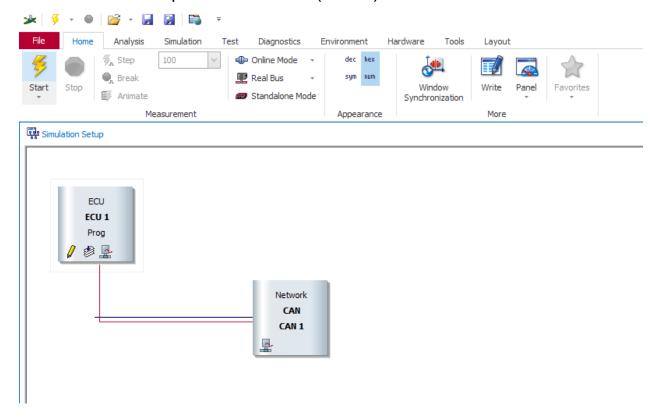
This section shows how to Turn OFF the power supply. 'OUT0' indicate the command of TENMA power supply to turn off the power supply. [Only occurs when pressing the key 'o' in the keyboard]

This section shows how to Turn ON the power supply. 'OUT1' indicate the command of TENMA power supply to turn on the power supply. [Only occurs when pressing the key 'f' in the keyboard]

Paste the code in the CAPL power and the **Save** it.



Go to **CANoe** and press start button(\_\_\_\_\_) to start simulation.



On the bottom of the **CANoe window**, there will be a **write window**. **Here we can see the messages**.

