

- To start a new project, select the new uvision project option in Project and name the project.(This should be in the path  
nu140->NuvotonPlatform\_Keil->Sample->EduSampleCode)
- Select the “Nuvoton” Board with version NUC140VE3AN.
- After this step, we will be able to see a startup file under “Source Group1” of “Target1”.
- Then right click Source group to add files from CMSIS(under NUC140). Select CM0.
- Add .c files in core support and .c files in device support.
- Include .c files of the .h files that are mentioned in the program code.
- To do this, right click “Source Group1” and select “Add files to Group1”.
- Select nuc140, then NuvotonPlatform\_Keil. Select Src->Driver(Add DRvSYS.c and DrvGPIO.c) and select Src->NUC1xx(Add Ascii\_Table.c,LCD\_Driver.c,Scankey.c).
- Also, create a file under nu140->NuvotonPlatform\_Keil->Sample->EduSampleCode and save the .c file in the folder where the project was saved.
- Select “Options for Target1” -> In the C/C++ option, add paths for the device support and core support. Also add paths for Include, Include->Driver and Include->NUC1xx.
- Select “Options for Target1” -> In the right side of Debug option, select : Use NULink Debugger -> In Utilities option, select NULink Debugger in the “Use Target Driver”. Click OK.