

IMPORTANT ADDITION WHEN WORKING WITH THE XILINX SDK PROJECT ::: LAB 3 – PART 2

This addition relates to the function `vGetRunTimeStats()`. In order to use this function, following definitions must exist in the header file.

```
1.      #define configGENERATE_RUN_TIME_STATS 1
2.      #define
configUSE_STATS_FORMATTING_FUNCTIONS 1
portCONFIGURE_TIMER_FOR_RUN_TIME_STATS()

portGET_RUN_TIME_COUNTER_VALUE()
```

These steps must be followed after you have created the application in the SDK workspace.

1. Expand the “xxx_bsp” folder. Locate “system.mss” file and double click on it.
2. In the system.mss file that opens, click on *Modify this BSP's settings* option as illustrated in the fig. 1.

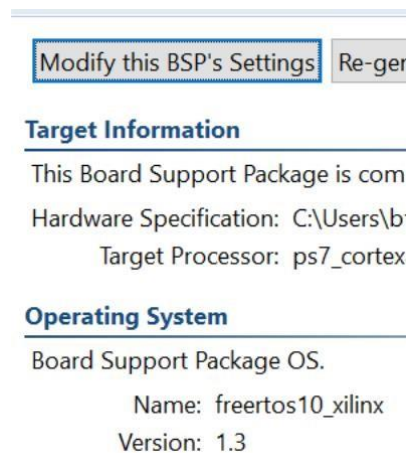


Fig. 1

3. A configuration box named “Board Support Package Settings” opens. Single click on the “freertos10_xilinx” on the left side as shown in the fig. 2.
4. Expand “kernel features” as shown in fig. 3. Change the “generate_runtime_stats” to 1. Default value will be 0.
5. Click “OK”. Changes will be in effect and they can be verified in FreeRTOSConfig.h file.

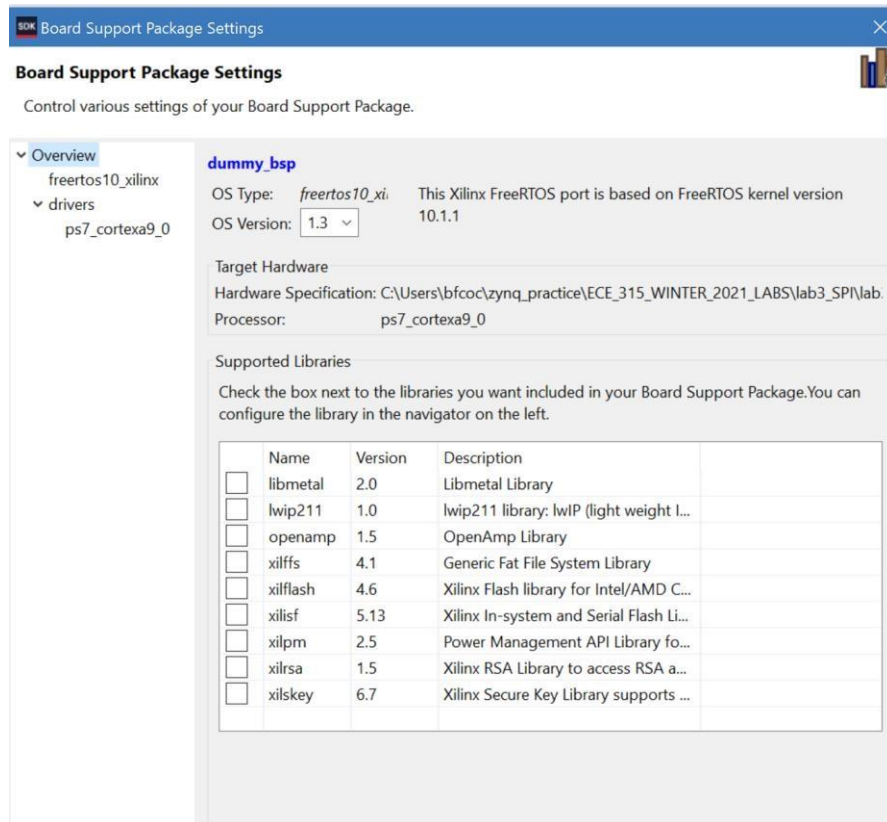


Fig. 2

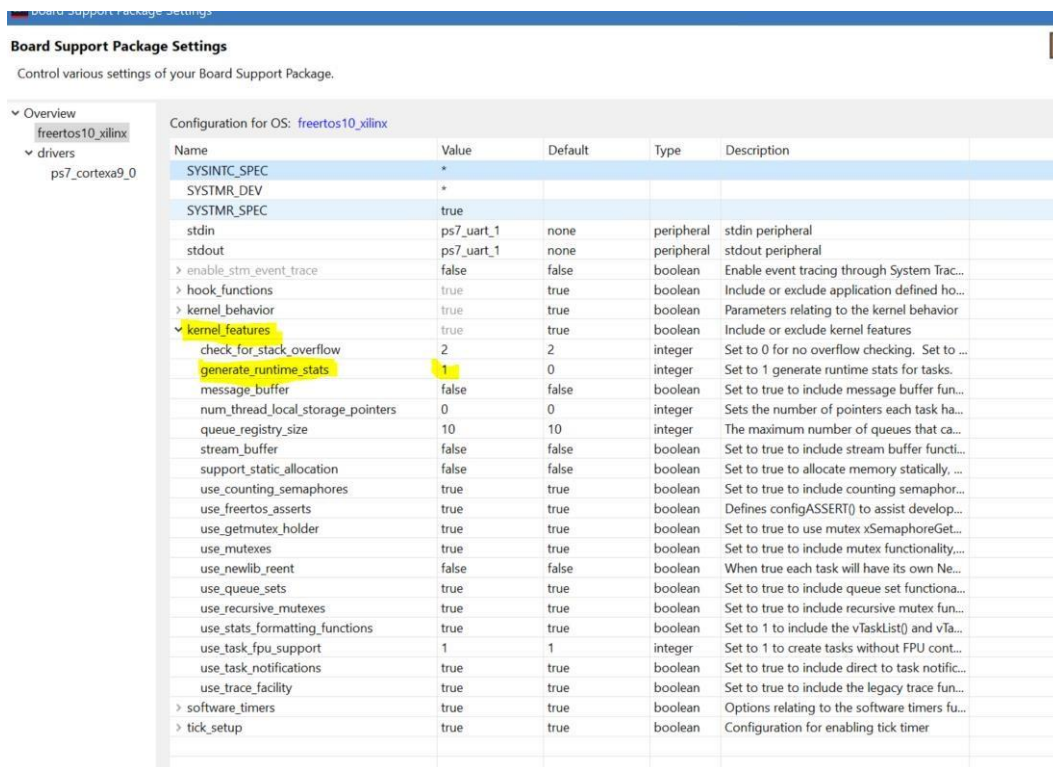


Fig. 3