Faculty of Electrical Engineering

M.E. Embedded System Technologies
(R 2017) Semester – I
ET5111 Embedded System Laboratory - I
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	C/C++/Java/Embedded C/Embedded Java/ Compilers & Platforms	10		
2.	8051 Microcpontrollers with peripherals; ;IDE, Board Support Software Tools /C Compiler/others - peripheral interface with necessary software	5		
3.	AVR/ PIC Microcpontrollers with peripherals, IDE, Board Support Software Tools /C Compiler/others	5		
4.	Arduino Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	5		
5.	Processor Boards with Board Support Tools & Interfaces	3		
6.	Simulation Tools as Proteus/ ORCAD	10		
7.	Simulation Tools as Matlab	10		

Faculty of Electrical Engineering

M.E. Embedded System Technologies
(R 2017) Semester – II
ET5211 Embedded System Laboratory - II
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Any Microcontrollers with peripherals; ;IDE, Board Support Software Tools /Keil/uCOS Compiler/others	5		
2.	ARM processor : ARM7 / ARM9/ARM Cortex Microcontrollers with peripherals;Board Support Software Tools, peripherals with interface	2		
3.	Rasberry Pi Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	2		
4.	Arduino, Boards with peripherals;Board Support Software Tools, peripherals with interface	5		
5.	Processor Boards with Board Support Tools & Interfaces	5		
6.	Programming Compilers & Platforms on freeware	5		
7.	Personal Computers, Licenced software & programming/modelling tools	20		
8.	Simulation Tools as Labview /others	5		
9.	Compilers & Platforms with VXWorks/ Keil/ Android/ Tiny OS/ Linux Support/any RTOS	5		
10.	Programming in Python Platform	10		