

NEHRU MEMORIAL COLLEGE

(An Autonomous Institution Accredited with "A" Grade by NAAC)

Puthanampatti-621007

COURSES HAVING FOCUS ON EMPLOYABILITY/
ENTREPRENEURSHIP/SKILL DEVELOPMENT

M.Sc., EMBEDDED SYSTEMS

Syllabus 2015 Onwards

Sem	Sub. Code	Title of the Course	Employability	Entrepreneurship	Skill Based
I	15PE101	Introduction to Embedded Systems			✓
	15PE102	Sensors and Signal Conditioning			✓
	15PE103	The 8051 Microcontroller Architecture and Programming	✓		
	15PE104L	The 8051 Microcontroller Programming Lab		✓	
	15PE105a	The C Programming Language			✓
	15PE105b	Embedded System Design			✓
	15PE105c	Advanced Digital System Design			✓
II	15PE206	Engineering Mathematics			✓
	15PE207	Design of Embedded Systems with PIC Microcontroller		✓	
	15PE208	Real Time Operating Systems			✓
	15PE209L	PIC Microcontroller Programming Lab		✓	
	15PE210MP	Mini Project			✓
	15PE211a	Principles of Robotics			✓
	15PE211b	68HC12 and HCS12 Microcontroller Architecture and Applications	✓		
15PE211c	AVR Microcontroller Architecture and Applications	✓			
III	15PE312	ARM Cortex Microcontroller and Programming	✓		
	15PE313	PSoC Architecture and Applications	✓		
	15PE314L	ARM & PSoC Microcontroller Programming Lab		✓	
	15PE315	Embedded Networks and Protocols		✓	
	15PE316MP	Mini Project	✓		
	15PE317a	Programming In JAVA			✓
	15PE317b	Embedded Linux			✓
	15PE317c	VLSI Design			✓
15PE318	Internship	✓			
IV	15PE421P	Project	✓		
	15PE419a	Hardware Software Co - Design			✓
	15PE419b	Wireless Sensors Networks	✓		
	15PE419c	Hardware Description Language			✓
	15PE420a	Modern Embedded Computing			✓
	15PE420b	Mechatronics			✓
	15PE420c	MEMS Technology			✓

Chairman of BOS

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