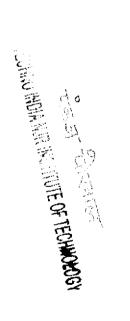
CO3. Students will be able to interface various sensors to develop the embedded systems	14	14	1	External	Embedded System Training
CO2. Students will be able to use various interface such as SPI, UART, I2C & CAN protocols					Cranes Varsity
microcontroller boards.					
CO1. Students will be able to use the ARM based					
sensors to develop the IOT systems	16	16	L-1	External	Eduvance Training
CO3. Students will be able to interface various					
such as SPI, UART.	•				
CO2. Students will be able to use various interface					
Mo based microcontroller boards.					
CO1. Students will be able to use the ARM Cortex					
Course Outcome	Number of	Number	No. of times	External/ In-	Name of Add on
	-17)	(2016-17)			
REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECTRONICS AND COMMUNICATION DEPARTMENT	NE COURSES: EL	ER THAN ONLI	ROGRAMS OTH	/ CERTIFICATE P	REPORT ON ADD ON



			(2017-18)	-18)	
Name of Add on	External/ In-	No. of times	Number	Number of	Course Outcome
Cranes Varsity					CO1. Students will be able to write C code for
Embedded System	Evternal	•	1	<u>,</u>	embedded systems
Training	LXC	ŀ	1	<u>.</u>	CO2. Students will be able to use MATLAB forGUI
110111116					application development.
					CO1. Students will be able to use the ARM based
					microcontroller boards.
Cranes Varsity					
Embedded System	External	ь	6	6	CO2. Students will be able to use various interface
Training					such as SPI, UART, I2C & CAN protocols
					CO3. Students will be able to interface various
					sensors to develop the embedded systems

TECHNOLOGY

REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECT	/ CERTIFICATE P	ROGRAMS OTH	IER THAN ONLINE C (2018-19)	NE COURSES: EI -19)	ECTRONICS AND COMMUNICATION DEPARTMENT
Name of Add on	External/in-	No. of times	Number	Number of	Course Outcome
					CO1. Students will be able to use the MSP430
					based microcontroller boards.
					CO2. Students will be able to use various interface
CEERI Pilani SDP on IoT	External		ν + τ	x	such as SPI, UART.
		ı	(ď	CO3. Students will be able to interface various
					sensors to develop the IOT systems
					CO4. Studetns will be able to use various IoT light
					weight OS and communication protocols.
					Co1. Students will learn to use bussines
Cambridge Bussiness	External	 -	16	16	communication etiquettes.
English		·		ŀ	CO2. Students will be able to present or express
, and a second s					themselves in corporate world.
				•	CO1. Students will be able to use the FPGA
industrial fraining in					boards
VLSI Design and	External	- •	x	×	CO2. Students will be able to use System verilog
Verification by DKOP		1	(Ç	for VLSI cicuit design
Labs Pvt. Ltd.					CO3. Students will be able to use System verilog
					for VLSI cicuit ASIC verification

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REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECT	/ CERTIFICATE F	ROGRAMS OTH	ER THAN ONLINE C (2019-20)	NE COURSES: EL -20)	ECTRONICS AND COMMUNICATION DEPARTMENT
Name of Add on /Certificate programs offered	External/ In- House	No. of times offered during the year	Number (students enrolled)	Number of Students (completed)	Course Outcome
MERC PLC Scada training	External	H	16	16	CO1. Programmable Logic Controller (PLC). CO2. Supervisory Control & Data Acquisition CO3.Industrial Control Panel (Designing & Maintenance)
GRRAS Solutions, LINUX Training	External	1	6+7+20	33	CO1. Students Will be able to configure, install, upgrade and maintain the Linux systems. CO2. Students will be able to manage system
CRANES Varsity IT Readyness Module	External	μ.	23	23	CO1. student will be able to use C & C++ language to develop software applications. CO2. Studetns will be able to choose efficient data structures to solve the problem. CO3. Studetns will be able to optimize the code space and time complexity.

OF TECHNOON