DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)
(Accredited by NBA (For B.Tech CE|EEE|MECH|ECE), NAAC)
GANGURU::VIJAYAWADA – 521 139

Department of Electronics & Communication Engineering

Internal Training Committee

Summary Report

AY: 2019-20

S.No	Year	Name of the Programme	Type of the Programme	Dates	No. of Students Registered	No. of Students Participated	Outcome	Mapping & Level		Attainment Level	Expenditure Incurred
								PO's	PSO's		
1.	III-I	Problem Solving using C'	Add-on Course	11.09.19 to 20.09.19	123	110	1.Design and develop C program to evaluate simple expressions and logical operations. 2. Demonstrate the concept of pointer and perform I/O operations.	PO3-2 PO5-3 PO9-3 PO12-3	PSO2-3	3	16650
2.	IV-I	PLC Advanced (PLC: Phase-II)	Certification	03.09.19 to 09.09.19	132	117	1.Ability to gain knowledge on Programmable Logic Controllers 2.understand different types of Devices to which PLC input and output modules are connected 3.To provide the knowledge about understand various types of PLC registers 4.Ability to apply PLC timers and counters for the control of industrial processes 5.Able to use different types PLC functions, Data Handling Function.	PO3-2 PO5-3 PO9-3 PO12-3	PSO1-2 PSO2-3	3	17550

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3.	III-II	Problem solving using Python Phase-I'	Certification	02-03-20 to 07-03-20	119	110	1. Explain basic principles of Python programming language. 2. Implement object-oriented concepts.	PO3-2 PO5-3 PO9-3 PO12-3	PSO2-3	3	16500
4.	II-II	C Programming	Add-on Course	18-11-19 to 31.03.20	90	86	1.Students can master the 'C Programming' course and also get Certificates on their own 2.Understand the basic terminology used in 'C programming'.	PO3-2 PO5-3 PO9-3 PO12-3	PSO2-3	3	Annual Membership
5.	II-II	C++ Programming	Add-on Course	18-11-19 to 31.03.20	79	67	1.Students can master the 'C++' course and also get Certificates on their own 2.Understand the basic terminology used in 'C++'	PO3-2 PO5-3 PO9-3 PO12-3	PSO2-3	3	Annual Membership
6.	III-II	Python	Add-on		106	86	1.Students can master the	PO3-2	PSO2-3	3	Annual

			Course	18-11-19 to 31.03.20			‘Python’ course and also get Certificates on their own 2.Understand the basic terminology used in ‘Python’.	PO5-3 PO9-3 PO12-3			Member ship
7.	IV-II	AI for Everyone	Certification	10-04-20 to 30-06-20	108	108	1.Understand The meaning behind common AI terminology, including neural networks, machine learning, deep learning, and data science 2. Analyze What AI realistically can--and cannot--do 3. Analyze How to spot opportunities to apply AI to problems in your own organization 4. What it feels like to build machine learning and data science projects 5. How to work with an AI team and build an AI strategy in your company 6. Understand How to	PO3-2 PO5-3 PO9-3 PO12-3	PSO2-3	3	Free

							navigate ethical and societal discussions surrounding AI				
8.	III-II	Sensors and Sensor Circuit Design	Certification	10-04-20 to 30-06-20	77	77	1.Understand how to specify the proper thermal, flow, or rotary sensor for taking real-time process data. 2.Implement thermal sensors into an embedded system in both hardware and software. 3.Add the sensor and sensor interface into a microprocessor-based development kit. 4.Create hardware and firmware to process sensor signals and feed data to a microprocessor for further evaluation. 5.Study sensor signal noise and apply proper hardware techniques to reduce it to acceptable levels.	PO3-3 PO4-2 PO9-3 PO12-3	PSO1-2 PSO2-3	3	Free
9.	II-II	Introduction to	Certification		72	72	Design Programming that	PO3-2	PSO2-3	3	Free

		Programming with MATLAB		10-04-20 to 30-06-20			uses MATLAB to illustrate general concepts in computer science and programming based on Matrices and Operators, Functions, Programmers Tools Box, Selection, Loops, Data Types, File Input and Output.	PO5-3 PO9-3 PO12-3			
10.	II-II & III-II	Introduction to the Internet of Things and Embedded Systems	Certification	10-04-20 to 30-06-20	147	147	1. Define the term "Internet of Things" and state the technological trends which have led to IoT 2. Define what an embedded system is in terms of its interface 3. Name the core hardware components most commonly used in IoT devices 4. Describe the structure of the Internet, meaning of a "network protocol" , role of an operating system to support software in an IoT device,	PO3-2 PO5-3 PO9-3 PO12-3	PSO2-3	3	Free

							interaction between software and hardware in an IoT device, interactions of embedded systems with the physical world and the impact of IoT on society 5. Explain MANETs and their relation to IoT				

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