METHODIST
COLLEGE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad

Abids, Hyderabad, Telangana, 500001

Estd : 2008

1.1.2 Number of Certificate/diploma program introduced during last five years					
TIMELINE:2014-15 TO 2018-19					
DEPARTMENTS	2018-19	2017-18	2016-17	2015-16	2014-15
CIVIL	1	1	0	0	0
CSE	4	3	3	0	4
ECE	3	5	2	1	2
EEE	3	2	1	1	1
MECH(UG)	6	7	8	3	2
MECH(PG)-CAD CAM	2	3	0	1	0
MBA	1	1	1	0	0
CERTIFICATE PROGRAMS INRODUCED YEARWISE	20	22	15	6	9
CERTIFICATE PROGRAMS INRODUCED OVER LAST 5 YRS					72

SUMMARY

■Total no. of certificate programs organized over past 5 years under 5-Engineering programs & DBM are summarised in above table

■These programs are conducted for 5 -6 days @ 6-7 hours per day, spread across 1-2 months in a semester

■ The Resource persons are drawn either from reputed training center/industry/ in-house expertise

■ A significant improvement in the total number of courses from year to year is observed

■ The Eventwise 1). schedule & syllabus, 2). Sample participation certificate, 3). Participants list are herewith attached

Details of Attachment: CERTIFICATE COURSES OF ECE DEPARTMENT

Program name	Name of the Certificate/diploma introduced in last 5 years	Year of introduction	No of Students Participated
BE(ECE)	In-house certificate program on FPGA based VLSI Design using Microwind	2018-19	73
BE(ECE)	IETE student forum Collaborated certificate program on Aurdino programming and applications	2018-19	44
BE(ECE)	IETE student forum Collaborated certificate program on PCB Design and Circuit simulation	2018-19	27
BE(ECE)	In-house certificate program on Creation & Simulation of Microstrip antennas using HFSS	2017-18	64
BE(ECE)	MSR PROJECTS Collaborated program on MATLAB programming on Image processing	2017-18	64
BE(ECE)	Armtronics Collaborated Certificate program on Embedded systems Design & Development	2017-18	33
BE(ECE)	IETE student forum Collaborated certificate program on Aurdino programming and applications	2017-18	21
BE(ECE)	IETE student forum Collaborated certificate program on PCB Design and Circuit simulation	2017-18	97
BE(ECE)	Armtronics Collaborated certificate program on PCB Design and Circuit simulation	2016-17	54
BE(ECE)	Armtronics Collaborated certificate program on Embedded systems Design & Development	2016-17	38
BE(ECE)	Armtronics Collaborated certificate program on PCB Design & fabrication	2015-16	59
BE(ECE)	In-house certificate program on Embedded systems Design & Development	2014-15	37
BE(ECE)	IEEE student branch Collaborated certificate program on Aurdino programming and applications	2014-15	15

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Department of ELECTRONICS & COMMUNICATION ENGINEERING

IETE SB Collaborated Certificate Course on **"ARDUINO PROGRAMMING & APPLICATIONS"** during 3, 4,15,16,17 MAR 2018

Days	9.30 - 11.00am	11.00 -12.30 pm		1.15 -3.15pm	3.15 - 4.15pm
Day1	Introduction to Embedded systems	Basics of Micro Controllers	LUNCH BREAK	Arduino Basics	Arduino Architecture & Board layout Basics
Day2	Fundamentals to Embedded C programming	AVR programmer using Data types and keywords		Arduino Integrated development environment (IDE), identifying Arduino family boards	Connecting system Port to Arduino
Day3	Simple LED Blink Programming	Interfacing of Infra Red sensor		Interfacing of LDR (Analog values), varying the values through Analog & Digital Pins	Interfacing with IR and LED
Day4	Ultrasonic Sensor types	Interfacing of ultra sonic sensor to Arduino		Observing ultra sonic values in serial monitor, Logic to use "For" &"While" loops in Ultrasonic sensor	Logic Blueprint for Obstacle Avoiding Robot
Day5	Interfacing the H-Bridge with Arduino	Motors control using code in Arduino.		Interfacing between Motors and Ultrasonic Sensor, Complete interfacing of Ultrasonic & Motors & LED	Final Obstacle Avoiding Robot

COURSE COORDINATOR: Mr. SATISH YADAV

HOD-ECE

METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to O.U. & Approved by AICTE)

King Koti Road, Abids, Hyderabad – 500 001, Telangana, INDIA

Certificate of Participation

Certified that Mr/Ms ___P. Tanmayee___ Bearing R.No: ___160716735053___

of ___II-II___ Semester ___ECE___ Branch, Participated in Certification Courses

on ___Arduino Programming & Appl.___ during ___3, 4, 15, 16, 17 MAR '2018___

in Collaboration with ___IETE Student Branch, MCET.___

Director   **HoD**   **Principal**

METHODIST COLLEGE OF ENIGINEERING AND TECHNOLOGY
ELECTRONICS AND COMMUNICATION ENGINEERING AND TECHNOLOGY
ARDUINO WORKSHOP FOR II/IV YEAR ON 3&4 th MARCH 2018

S.NO	NAME	ROLL NO.	YEAR	Signature	Feedback
		IETE STUDENTS			
1	ANAS SHAKEEL	160716735003	II	Shakeel.	Satisfactory.
2	M.AISHWARYA	160716735027	II		
3	R.NAVYA	160716735075	II	K	Good
4	P.TANMAYEE	160716735053	II	Tanmayee	Good
5	LATHA MADHURI	160716735046	II	Mob	Satisfactory
6	N.SHIVANI	160716735051	II	Sm	Satisfactory
7	CHAVAN NAVEENA	160716735044	II	Nalee	Good
8	K.SOWMYA	160716735311	II		
9	P.SRI DIVYA	160716735071	II	Sri Divya	Satisfactory
10	N.NINISHA REDDY	160716735101	II		
11	B.AISHWARYA RAJ	160716735099	II	ABJ	Satisfactory.
12	RAMAL JAGAN	160716735020	II	Ram	Good
13	INDRA KUMAR	160716735015	II		
14	SHAIK MOHD ABUBAKAR	160716735033	II	Abubakar	Good
15	V.SHALINI	160716735067	II	Sai	Excellent
16	V.REBEKAH	160716735090	II		
17	K.RAJESHWARI	160716735092	II	Rajeswari	Satisfactory
18	AMIR AHMED	160716735085	II	Ahed	good.
19	RUMAN ALI	160716735073	II	Rumanli	Good.
20	R.SAI KUMAR	160716735314	II		
23	MD.RAYYAN	JNTUH	II	Rayyan	Good.

* **Feed back:** Excellent/Good/Satisfactory