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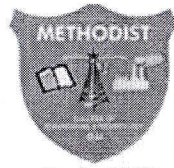
METHODIST
COLLEGE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad

Abids, Hyderabad, Telangana, 500001

Department of ELECTRONICS & COMMUNICATION ENGINEERING

Estd : 2008

In-House Certificate Course on "EMBEDDED SYSTEMS DESIGN & DEVELOPMENT" during 1, 2,6,7,8 NOV 2014

| DAY	9:30-11:30am	11:00-12:30pm		1:15-3:15pm	3:15-4:15pm
DAY-1	Introduction to micro controller	Basics and types of microcontrollers		Uses of Arduino and Raspberry Pi	Basics of sensors and actuators
DAY-2	Basics of Raspberry pi	Versions of Raspberry pi and its applications		Introduction to the Internet of Things	Introduction to Cloud Computing
DAY-3	Starting with embedded systems	The Arduino Open-Microcontroller Platform		Reading from Sensors * Programming fundamentals (C program)	* Arduino Programming & Interface of Sensors
DAY-4	Project 1: Simple LED Program for Arduino Project 2: Integrating Sensors & Reading Environmental Physical Values. Project 3: Reading Environmental Values on Android Smartphone	Project 4: Creating Android App using MIT App Inventor & controlling arduino connected devices through App.	lunch break	Control Devices using Localhost Web Server for Home Automation. • Integrating Ethernet Module & Testing DHCP Connection • Creating Program for Localhost Web Server for controlling devices.	* OS Installation on SD Card Downloading Image Study Various Operating Systems Available Making SD Card: Formatting and Partitions Raspberry Pi SD Installer * OS Configuration
DAY-5	• Booting Into Desktop • GUI Version • CLI Desktop • Changing Timezone • Other Options • Raspi-Config • Test	• Network Setup • Setting Up Using GUI • Setting Up Using • Command Line • Finding Pi's IP Address • Connecting with Wi-Fi/ • LAN/ Datacard		GPIO • Study GPIO Pins • Libraries Using Git • Configuring GPIO Pins	Project 12: LED Program with Raspberry Pi Project 13: Controlling LED with a Switch using Raspberry Pi.Project 14: Integrating IR Sensor with Raspberry Pi.

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
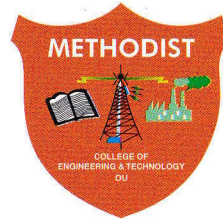
Certificate of Participation

Certified that Mr/Ms _Komma Jaya Sree_ Bearing R.No: _160713735068_

of _III_ Semester _ECE_ Branch, Participated in Certification Courses

on _Embedded Systems Design & Development_ during _1, 2, 6, 7, 8 NOV' 2014._

in Collaboration with _In house training programme._

Director   **HoD**   **Principal**

METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY
WORKSHOP ON EMBEDDED SYSTEM ON 1ST,2ND NOV,2014
III YEAR ECE - A & B

S.N	Roll.No	Name Of The Student	Section	Feedback	Signature
1	160713735001	GUNDA MOUNIKA	A	Satisfactory	G. Mounika
2	160713735003	THIMMAPURAM AMRITHA REDDY	A	Satisfactory	T.A. Reddy
3	160713735004	SACHIN KUMAR KATAREY	A	Good	Sachin K
4	160713735005	N SAI KRISHNA REDDY	A	Good	Reddy
5	160713735007	VUMENTHALA DEESHMA	A	Good	V.Deeshma
6	160713735009	T VENUGOPAL REDDY	A		T.V.Reddy
7	160713735012	DONTHENENI ANVESH	A	Good	D.Anvesh
8	160713735015	KRISHNA GOWLIKAR	A		D.Komusan
9	160713735017	POOJA KOMUSANI	A	Good	P.Komin
10	160713735018	RACHAPUDI PRATHYUSHA	A	Good	Prathyusha
11	160713735020	B RUTHWIJ REDDY	A		Ruthwik Reddy
12	160713735022	GOVINDREDDY PRASHANTH REDDY	A	Good	G.Prashanth
13	160713735028	THAKUR NIKHIL SINGH	A	Excellent	T.N. Singh
14	160713735031	KONAPALA VISHWESHWAR RAO	A		K.V.Rao
15	160713735034	CHELIMILLA SHESHANK	A	Good	Shashank. C.
16	160713735037	MD KHALED JAMEEL	A		Md.K.J
17	160713735048	BANDHANADHAM AMULYA	B	Satisfactory	B.Amulya
18	160713735052	SADUVALA CHANDRA SHAKER	B	Good	C.Shivani
19	160713735058	NEELI SHIVANI	B		N. Shivani
20	160713735059	SOMESHWAR SINGH	B	Good	Someshwar Singh
21	160713735060	N LIKHITHA	B		N.Lik
22	160713735063	ABDUL RAZZAK AKRAM	B	Good	A.Kram
23	160713735066	GARRAPALLY MANIKANTH GOUD	B		G.M.Goud
24	160713735068	KOMMA JAYA SREE	B	Satisfactory	K.Jayasree
25	160713735069	POLAMARASETTI SHEKAR BABU	B		P.S.Babu
26	160713735070	KAYYAM NITHISHA	B		K.Nithisha
27	160713735071	APKA NAGESH	B	Satisfactory	A.Nagesh
28	160713735073	BIBINAGARAM SHRAVAN KUMAR	B		Azeem Ee
29	160713735074	ABDUL AZEEM	B	Satisfactory	Azeem
30	160713735075	KODURU HIMAJA	B		Himaja
31	160713735076	MOHAMMED MUQTADIR	B		M
32	160713735077	AYESHA HUMERA	B	Good	A.Humera
33	160713735079	RAPOLU SAI SANTHOSH	B		
34	160713735080	VUYYALA VIJAY KUMAR	B	Satisfactory	V.Vijay Kumar
35	160713735082	HARIKRISHNA SRIRAMA	B	good	Sriram
36	160713735304	SHEIK TAHEER	B	Satisfactory	S.Taheer
37	160711735088	MD.SADIQ	B	Good	md.Sadiq

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