



Estd : 2008

# METHODIST

## COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad  
Abids, Hyderabad, Telangana, 500001

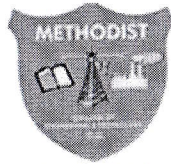
1.1.2 Number of Certificate/diploma program introduced during last five years					
TIMELINE:2014-15 TO 2018-19					
DEPARTMENTS	2018-19	2017-18	2016-17	2015-16	2014-15
CIVIL	1	1	0	0	0
CSE	4	3	3	0	4
ECE	3	5	2	1	2
EEE	3	2	1	1	1
MECH(UG)	6	7	8	3	2
MECH(PG)-CAD CAM	2	3	0	1	0
MBA	1	1	1	0	0
CERTIFICATE PROGRAMS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

<b>Program name</b>	<b>Name of the Certificate/diploma introduced in last 5 years</b>	<b>Year of introduction</b>	<b>No of Students Participated</b>
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

## ARMTRONICS Collaborated Certificate Course on "EMBEDDED SYSTEMS DESIGN & DEVELOPMENT"

during 17, 18, 23, 24, 25 MAR 2017

DAY	9:30-11:30am	11:00-12:30pm	Lunch break	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.		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	<ul style="list-style-type: none"> <li>• Booting Into Desktop</li> <li>• GUI Version</li> <li>• CLI Desktop</li> <li>• Changing Timezone</li> <li>• Other Options</li> <li>• Raspi-Config</li> <li>• Test</li> </ul>	<ul style="list-style-type: none"> <li>• Network Setup</li> <li>• Setting Up Using GUI</li> <li>• Setting Up Using Command Line</li> <li>• Finding Pi's IP Address</li> <li>• Connecting with Wi-Fi/ LAN/ Datacard</li> </ul>		GPIO <ul style="list-style-type: none"> <li>• Study GPIO Pins</li> <li>• Libraries Using Git</li> <li>• Configuring GPIO Pins</li> </ul>	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.

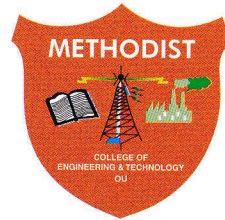
COURSE COORDINATOR: Mr. ARJUN MODI, ARMTRONICS LTD.

*Shobana Jf*  
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 KALVAKUNTA SARIKA Bearing R.No: 160714735010  
of III-2 Semester ECE Branch, Participated in Certification Courses  
on Embedded Systems Design & Development during 17, 18, 23, 24, 25 MAR 2017  
in Collaboration with ARMTRONICS PVT. Ltd, Hyderabad.

  
**Director**

  
**HoD**

  
**Principal**

**LIST OF THE PARTICIPANTS ATTENDED EMBEDDED SYSTEMS DESIGN&DEVELOPMENT WORKSHOP**

**DATES :17,18,23,24,25 MAR 2017**

SNO	ROLL NO	NAME OF THE CANDIDATE	SIGNATURE	FEED BACK
1	160714735002	P KAVYA SRI	<i>Kavya</i>	Good
2	160714735004	N SWATHI	<i>Swathi</i>	good
3	160714735005	MAHJABEEN TABASSUM	<i>Tabassum</i>	Excellent
4	160714735007	K SPANDANA	<i>Spandana</i>	Good
5	160714735008	P SRUTI VENKATESH	<i>Sruti</i>	Satisfactory
6	160714735010	K SARIKA	<i>Sarika</i>	good
7	160714735011	G SOUJANYA	<i>Soujanya</i>	good
8	160714735013	CH PROHITH KUMAR	<i>Prohith</i>	Good
9	160714735014	B PRAVALIKA	<i>Pravalika</i>	good
10	160714735016	S PRIYANKA	<i>Priyanka</i>	Good.
11	160714735018	N MANASA	<i>Manasa</i>	Good
12	160714735020	K NAVANEETHA	<i>Navaneetha</i>	Good
13	160714735022	V SRAVYA DEVI	<i>Sravya</i>	Good
14	160714735023	K LAHARI	<i>Lahari</i>	Satisfy
15	160714735028	P SONALI	<i>Sonali</i>	Good.
16	160714735029	K ROJA	<i>Roja</i>	Excellent
17	160714735034	V PREETHI SUDHA	<i>Sudha</i>	EXCELLENT
18	160714735041	D GOWTHAM,SHIVA RAM	<i>Gowtham</i>	Excellent
19	160714735042	G LALITHA	<i>Lalitha</i>	Excellent
20	160714735045	J PRATHIBA	<i>Prathiba</i>	Excellent
21	160714735047	MD FARAZ	<i>Faraz</i>	good
22	160714735048	A GAYATHRI	<i>Gayathri</i>	GOOD
23	160714735049	MD ABDUL QADEER	<i>Qadeer</i>	Excellent
24	160714735050	MD ASIF	<i>Asif</i>	Excellent
25	160714735051	B KARUNYA KAMALA	<i>Karunya</i>	Good
26	160714735052	B BLESSY ABIGAIL	<i>Blessy</i>	Good
27	160714735059	T RAHUL TEJA	<i>Rahul</i>	Good
28	160714735065	M LAXMI KIRANMAI	<i>Kiranmai</i>	Excellent
29	160714735066	P RAMYA SHRI	<i>Ramy</i>	Good
30	160714735068	M RAJESH	<i>Rajesh</i>	Good
31	160714735074	G KARTHIK	<i>Karthik</i>	Excellent
32	160714735087	Y VARNIKA	<i>Varnika</i>	Good
33	160714735305	MD SANAUULLAH KHAN	<i>Sanaullah</i>	Good
34	160714735311	D NITYA SANTOSHI RUPA	<i>Santoshi Rupa</i>	Excellent
35	160714735035	P AKASH	<i>Akash</i>	Excellent
36	160714735043	GULAM NABI	<i>Gulam</i>	Good
37	160714735003	MUDASSIR SHARIF	<i>Mudassir</i>	Excellent
38	160714735009	MUDASSIRUDDIN ALVI	<i>Mudassir</i>	Good