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troller Platform. Basics. Board Layout & ure.	K	**Programming fundamentals (C language).**	• Programming Arduino. • Reading from Sensors.

I

Certificate Program on "Internet of Things

Schedule and Course Syllabus:

DAY	SESSION – 1 09:30 – 10:45		SES 11:(
Day 1	**IoT club Inaugural.** **IoT Lab Inaugural.**	T E A B R E A K	**Introduction t Things** • What is • Applica Challer • Terms related • Basic I
Day 2	**IoT Technologies** • Role of Cloud Computing in IoT. • Role of Big Data in IoT. • Showcase and Demonstration about various Sensors.		**The Arduino** • The Ar • The Ar Microc • Arduin • Arduin Archite

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ith ARDUINO" on 19th Sept, 20th Sept, 23rd Sept, 30th Sept and 07th Oct 2018.

ION – 2 – 12:30		SESSION – 3 13:30 – 14:45		SESSION – 4 15:00 – 16:30
the Internet of Internet of Things? ions and es. d Concepts IoT? Architecture.	L U N C H	**Introduction to the Internet of Things** • The Internet of Things. • The Basics of Sensors & Actuators. • Introduction to Cloud Computing.	T E A	**IoT Technologies** • IoT Device Technologies: Sensors, Actuators, RFID's. • Communication Medium.
atform ino IDE. ino Open –	B R E A	**Reading from Sensors.**	B R E A K	**Arduino Programming & Interfacing of Sensors** • Interfacing Sensors with Arduino.

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DAY	SESSION – 1 09:30 – 10:45		SESSION – 2 11:00 – 12:30		SESSION – 3 13:30 – 14:45		SESSION – 4 15:00 – 16:30
Day 3	**Project 1:** Simple LED Program for Arduino. **Project 2:** Integrating Sensors & Reading Environmental Physical Values.	TEA BREAK	**Project 3:** Reading Environmental Values on Android Smartphone. • Talking to your Android Phone with Arduino. • Connecting Arduino with Mobile Device. • The Android Mobile OS. • Using the Bluetooth Module.	LUNCH BREAK	**Project 4:** Voice Controlled Mini Home Automation using Android Smartphone.	TEA BREAK	**Project 5:** Control Devices using Localhost Web Server for Home Automation. • Integrating Ethernet Module & Testing DHCP Connection. • Creating Program for Localhost Web Server for controlling devices.
Day 4	**Project 6:** Creating own Android App using MIT App Inventor & controlling Arduino connected devices.		**Project 7:** Being Social on Twitter & Update Status on Twitter through Arduino. • Make Electronics Gadget Talk to Internet. • Integrating Ethernet Module. • Creating APP on Twitter.		**Project 8:** Send Voltage & Analog Data on Cloud Server. • Cloud Computing. • Communicating with the Cloud using Web Services. • Cloud Computing & IoT. • Popular Cloud Computing Services for Sensor Management.		**Project 9:** Use Arduino to Upload free data from Environmental Sensors to Cloud Server.
Day 5	**Project 10:** Automatically Tweet Sensor Data on Twitter.		**Project 11:** Receive Automatic Call Notification on Mobile Phone for Burglar Alarm using IoT Platform.		**Project 12:** Control Electronic Devices from anywhere across the world using Internet & Mobile App.		**Feedback and Action Plan Presentation**

COURSE COORDINATOR: Sandeep

HOD – CSE

Head of the Department
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B.E V Semester 2018-2019

IOT CERTIFICATE ATTENDANCE

SNO	ROLL NO	STUDENT NAME	19-09-2018	20-09-2018	23-09-2018	30-09-2018	07-10-2018
1	160716733001	Tejaswini Vinjamuri					
2	160716733005	Akkiraju Sri Pragna					
3	160716733006	Khaja Barkatuddin					
4	160716733007	Abdul Mutakabbir					
5	160716733012	Nagabandi Sai Dhatri					
6	160716733013	Syed Shoeb Mahmood					
7	160716733017	Engu Bhargav					
8	160716733018	Madana Srinivas Hrishikesh					
9	160716733019	MD Safi Ahmed Shareef					
10	160716733021	Vem Sucharitha					
11	160716733023	Keesari Chaitanya					
12	160716733024	D Rishitha					
13	160716733026	K Manasa					
14	160716733029	Salveru Priyanka					
15	160716733030	Vakiti Sravya					
16	160716733040	Bodameedi Sunny					
17	160716733047	Padala Shreya					
18	160716733048	Tigulla Vaishanvi Goud					
19	160716733052	Saniya Fathima					
20	160716733053	Saba Tarannum					
21	160716733065	P Ajay Shyam					
22	160716733066	Mula Sai Karthik					
23	160716733069	Amgoth Pruhvi Raj					
24	160716733072	Mohammed Saifuddin					
25	160716733115	Gunda Sai Aniketh					
26	160716733117	Nawaz Sharif					

Coordinator

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Certificate of Participation

Certified that ~~Mr~~/Ms Akkiraju Sai Pragna Bearing R.No: 160716733005 of III - I Semester CSE Branch, participated in Value-Added Course on Internet of Things with ARDUINO during 9,20,23,30 Sept, 07 Oct - 2018 in Collaboration with Inhouse training Programme.

Director

Principal / Director
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HoD

Head of the Department
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Principal

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DEPARTMENT OF CSE

Certificate Program on "Web – Development using PHP and MySQL" on 22nd Mar, 23rd Mar, 24th Mar, 31th Mar and 07th Apr 2019.

Schedule and Course Syllabus:

DAY	SESSION – 1 09:30 – 10:45		SESSION – 2 11:00 – 12:30		SESSION – 3 13:30 – 14:45		SESSION – 4 15:00 – 16:30
Day 1	**Introduction** • Why use PHP and MySQL? • The PHP Programming Environment. • Overview of SQL.	TEA BREAK	**Introduction to PHP** • PHP Introduction. • Apache. • MySQL. • PHP. • Installing Xampp and IDE.	LUNCH BREAK	**Setting up a Test Server** • Decisions about a testing environment. • WAMP / MAMP. • Installing Apache, PHP and MySQL on your computer. • Testing on a remote Server. • Deciding on Development tools. • Using PHPMyAdmin.	TEA BREAK	**Overview of PHP** • Setting up a PHP page. • The phpinfo() function. • Learning basic syntax. • Echoing HTML output to the browser. • The importance of comments. • Using single and double quotes.
Day 2	**PHP Basic Syntax** • Print Using echo. • Variables and Primitive Data Type. • Math. • Constants. • Expression and Operators. • Control Structures. • Functions. • Classes and Objects.		**Variables in PHP** • Using loose typed variables. • Assigning variables. • Overview of numeric, string and other types. • Assigning a variable to itself. **Logical operators** • Arithmetic operators. • Logical operators. • Comparisons. • Operator precedence.		**Numbers in PHP** • Making calculations. • Using built – in numeric functions. • Incrementing and decrementing. **Strings in PHP** • Concatenating strings. • Trimming strings. • Removing slashes and other harmful characters. • String functions.		**Control structures in PHP** • The If statement. • FOR loops. • While loops. • The Switch.

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DAY	SESSION – 1 09:30 – 10:45		SESSION – 2 11:00 – 12:30		SESSION – 3 13:30 – 14:45		SESSION – 4 15:00 – 16:30

Day 3	**Form Handling, File system access etc.,**
	• Form Handling.
	• Sessions.
	• Cookies.
		TEA BREAK	**Transferring information between PHP pages**
			• GET and POST.
			• Different form field types.
			• Self – referencing forms.
			• Form handlers.
				LUNCH BREAK	**Session Control and Cookies**
					• Sessions
					  ○ Configuring Sessions.
					  ○ Session Functions.
					• Cookies.
					• Exercise: Authentication with Session Control.
						TEA BREAK	**Built – in PHP Functions**
							• Functions.
							• PHP Basic DB access.
							PHP Functions
							• Using Functions in PHP.
							• User defined Functions.
							• Predefined Functions.
							• Common Functions.
							• String Functions.
							• File Functions.
							• Date Functions.
							• Hash Functions.
							• Mail Function.

Day 4	**Database fundamentals** • Structuring a database. • Using tables. • Table relationships. • Common data types.		**Creating a database** • Using PHPmyAdmin. • Adding a table. • Populating a table with types and data. • Browsing a table with SQL.		**Getting PHP to connect to MySQL** • PHP5 and MySQL5 security features. • Using mysqli_connect(). • Testing a connection. • Mysqli and prepared statements. • Using a positional placeholder. • Writing a sample error trap.		**Querying MySQL using PHP** • Writing SQL queries. • Using Select, Insert, Update and Delete. • Querying MySQL and returning results. • Interpreting the returned array.

Day 5	**Building a Web Application**
	• Manipulating dynamic pages:
	  – Add entries.
	  – Modify entries.
	  – List entries.
	  – Filter entries.
	  – PHP and XML.
			PHP Best Practices
			• PHP PDO.
			• Separation of Concerns.
			PHP Project Walkthrough.
					Student Project.		**Feedback and Action Plan Presentation.**

COURSE COORDINATOR:

HOD – CSE

Head of the Department
Department of CSE
Methodist College of Engg. & Tech
Abids, Hyderabad.

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B.E VI Semester 2019-2020

PHP & MYSQL CERTIFICATE ATTENDANCE

SNO	ROLL NO	STUDENT NAME	22-03-2019	23-03-2019	24-03-2019	31-03-2019	07-04-2019
1	160716733001	TEJASWINI P VINJAMURI					
2	160716733002	MOHANKUMAR PADHI					
3	160716733004	SYEDA RAUNAQ FATIMA					
4	160716733005	AKKIRAJU SRI PRAGNA					
5	160716733006	MD KHAJA BARKAT UDDIN					
6	160716733007	ABDUL MUTAKABBIR MOIN					
7	160716733010	KUNDURU SANDEEP REDDY					
8	160716733011	DHAMERLA MANISHA					
9	160716733012	NAGUBANDI SAI DHATRI					
10	160716733013	SYED SHOEB MAHMOOD					
11	160716733014	AMAN MEHRA					
12	160716733015	TATOLU LAXMI GAYATRI					
13	160716733017	ENGU BHARGAV					
14	160716733018	MADANA SRINIVAS HRISHIKESH					
15	160716733019	MD SAFI AHMED SHAREEF					
16	160716733020	PEDDI ROSHAN GUPTHA					
17	160716733021	VEM SUCHARITHA					
18	160716733022	S SANKIRTH					
19	160716733023	KEESARI CHAITANYA					
20	160716733024	D RISHITHA					
21	160716733026	K MANASA					
22	160716733027	KALLU THARUN KUMAR REDDY					
23	160716733028	MOHAMMED SAADUDDIN					
24	160716733029	SALVERU PRIYANKA					
25	160716733030	VAKITI SRAVYA					
26	160716733031	BODDULA RAMAN					
27	160716733032	B NANDU					
28	160716733033	QAZI MOHD IQBAL HUSSAIN ANWAR					
29	160716733034	CHEERLA HARI CHANDRA PRASAD					
30	160716733035	SAI VINEETH PINNOJU					
31	160716733036	KEERTHI SHIVA SAI NIKHIL					
32	160716733037	BOJJA AISHWARYA					
33	160716733038	MOHAMMED IRSHAD MUKKARAM					
34	160716733039	MOHD MUJEEB UR RAHMAN					
35	160716733040	BODAMEEDI SUNNY					
36	160716733041	GAYARI ALEKHYA					
37	160716733042	AIRLA PRAVALIKA					
38	160716733044	BHARATH KUMAR MALI					
39	160716733045	KAVALI GAUTHAM RAJ					
40	160716733047	PADALA SHREYA					
41	160716733048	TIGULLA VAISHNAVI GOUD					
42	160716733049	KOPANATHI PAVANI					
43	160716733050	V SWARUPARANI					
44	160716733052	SANIYA FATIMA					
45	160716733053	SABA TARANNUM					
46	160716733054	SHRUTHI SHASTRI					
47	160716733055	JARUSHA SHARON					
48	160716733056	MANNE SAISIRISHA					
49	160716733058	KALLADA RAVALI					

Coordinator

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B.E VI Semester 2019-2020

PHP & MYSQL CERTIFICATE ATTENDANCE

SNO	ROLL NO	STUDENT NAME	22-03-2019	23-03-2019	24-03-2019	31-03-2019	07-04-2019
1	160716733061	D SUCHITHRA RAJ					
2	160716733064	MOHAMMED ANSAR UL HAQ					
3	160716733065	P AJAY SHYAM					
4	160716733066	MULA SAI KARTHIK					
5	160716733067	ERRAGALLA AJAY KUMAR					
6	160716733069	AMGOTH PRUTHVIRAJ					
7	160716733071	GANGA PRANAY					
8	160716733072	MOHAMMED SAIFUDDIN					
9	160716733073	AMBALLA JYOTHI					
10	160716733075	SHIVA B					
11	160716733076	SYED ABDUR REHMAN					
12	160716733079	ARIKILLA ANUSHA					
13	160716733082	KOTA SHARON ROSE					
14	160716733083	OMER MD ABDUL HAFEEZ					
15	160716733085	MOHAMMED OMER AMJAD					
16	160716733088	MAILA RAKESH KUMAR					
17	160716733091	NASER MOHIUDDIN FURQAN					
18	160716733092	SURYA KIRAN P					
19	160716733094	KONA AKASH					
20	160716733096	PALAKURTHI SRAVAN KUMAR					
21	160716733106	NAMALA SRINIDHI					
22	160716733109	T. RADHIKA SAGAR					
23	160716733113	HAROON AHMED BAKOBAN					
24	160716733114	MOHAMMED JUNAID AHMED					
25	160716733115	GUNDA SAI ANIKETH					
26	160716733116	MOHD NIYAZ AHMED					
27	160716733117	NAWAAZ SHARIF					
28	160716733118	ARAKATI SHIREESHA					
29	160716733120	MOHAMMED LABEEB UDDIN					
30	160716733121	ISAAC ABHINAI SESHADRY					
31	160716733301	M VENKATESH KUMAR					
32	160716733302	PALLAVI SUKDEVA					
33	160716733303	VADTHYAVATH NARESH					

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Certificate of Participation

Certified that Mr/~~Ms~~ P Ajay Shyam Bearing R.No: 160716733065 of III - II Semester CSE Branch, participated in Value-Added Course on Web - Development Using PHP and MySQL during 22,23,24,31 Mar, 07 Apr-2019 in Collaboration with In house training Programme.

Director

Principal / Director
Methodist College of Engg. & Tech
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HoD

Head of the Department
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Principal

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