M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi.
(An ISO 9001:2015 Certified Institution)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

1.2.2 Number of Add on /Certificate programs offered during the last five years (10)

<table>
<tr><td colspan="3" align="center">2015-2016</td></tr>
<tr><td>Sl. No</td><td align="center">Name of Add on /Certificate programs offered</td><td>Pg.No</td></tr>
<tr><td rowspan="10">1.</td><td colspan="2" align="center">CS15161 - Basic Concepts of Python Programming</td></tr>
<tr><td>Permission</td><td>2</td></tr>
<tr><td>Circular</td><td>3</td></tr>
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<tr><td>Willing Student List</td><td>5-11</td></tr>
<tr><td>Course Delivery</td><td>12-13</td></tr>
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<tr><td>One Page Report</td><td>37</td></tr>
<tr><td>Certificates</td><td>38-42</td></tr>
<tr><td rowspan="9">2.</td><td colspan="2" align="center">CS15162 - Fundamentals of Hardware and Networking</td></tr>
<tr><td>Permission</td><td>43</td></tr>
<tr><td>Circular</td><td>44</td></tr>
<tr><td>Syllabus</td><td>45-46</td></tr>
<tr><td>Course Delivery</td><td>47-48</td></tr>
<tr><td>Resource Person Details</td><td>49-51</td></tr>
<tr><td>Attendance</td><td>52-59</td></tr>
<tr><td>Question Paper</td><td>60-65</td></tr>
<tr><td>One Page Report</td><td>66</td></tr>
<tr><td>Certificates</td><td>67-71</td></tr>
</table>

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Website: - www.miet.edu

Ph: 0431 – 2660 303

Date: 3.6.2015

To

The Principal

M.I.E.T Engineering College,

Trichy – 620007

Respected Madam,

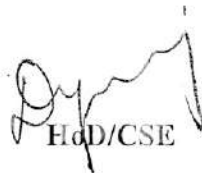Sub: Permission to conduct the certificate program – Reg...

We have planned to conduct the certificate program for our final year CSE students from 8.6.2015 to 13.6.2015.
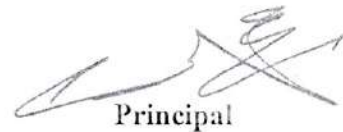
Name of the Certificate Program	Course Coordinator
Basic Concepts of Python Programming	Mrs.G.Nalina Keerthana,AP/CSE & Mr.M.K.Mohamed Faizal,AP/CSE

So kindly give us permission to conduct the course and to utilize the class room and lab.

Thanking you

2. M.16
1. G.Nalina Keerthana
Course Coordinator

HoD/CSE

Principal

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Ph: 0431 – 2660 303
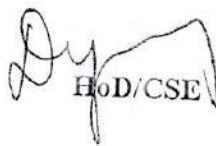
5.6.2015

CIRCULAR

Sub: Certificate Program

It is planned to conduct the Certificate Program for the final year Computer Science and Engineering students.

The Certificate Programs are short term certificate courses which are designed and offered by our department for the benefit of our students. Certificate Program will be conducted at free of cost and based on the performance of the participated students, the merit certificate will be issued after the successful completion of the course.

. Students those who are willing to attend the below mentioned course can enroll their name to the course coordinator.

Name of the Certificate Program	Course Coordinator
Basic Concepts of Python Programming	Mrs.G.Nalina Keerthana,AP/CSE & Mr.M.K.Mohamed Faizal,AP/CSE
Commencement of course from 8-6-2015 to 13-6-2015 Time: 9.30 AM – 5.00 PM	

2. M.K.
1. G.Nalina Keerthana
Course Coordinator

HoD/CSE

Principal

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M.I.E.T ENGINEERING COLLEGE, TRICHY – 7.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate Program (IV Year – VII Semester)

Course Syllabus

Name of the course: Basic Concepts of Python Programming

Course Code: CS15161

Course Coordinator: Mrs. G.Nalina Keerthana., AP/CSE & Mr.M.K.Mohamed Faizal., AP/CSE,

Total Hours: 33   Academic Year: 2015-2016

Objective

- To Impart the knowledge to the students about Python Programming.
- To instruct the students to develop basic programs in python.

UNIT I – INTRODUCTION TO PYTHON   6
Features of Python- Interpreter- Data Types.

UNIT II –CONTROL FLOW   6
Branching- Looping-Loop Control Statements.

UNIT III – FUNCTIONS, STRINGS   7
Strings- Strings Operations- Functions- Recursion- Function Composition.

UNIT IV – LISTS, TUPLES, DICTIONARY   7
Lists- List Operations- Aliasing- Cloning- List Comprehension- Tuples- Tuples Methods- Dictionary- Dictionary Functions.

UNIT V – FILES, MODULES, PACKAGES   7
Files- File Operations- Exception Handling- Packages- Modules.

Course Outcomes

The students will be able

- To build basic programs in python.
- To learn how to use lists, tuples, and dictionaries in Python programs.

References

1. Invent Your Own Computer Games with Python, 4th edition, Al Sweigart (No Starch, 2017)
2. Think Python: How to Think Like a Computer Scientist, 2nd edition, Allen B. Downey (O'Reilly, 2015)
3. Effective Computation in Physics: Field Guide to Research with Python, Anthony Scopatz, Kathryn D. Huff (O'Reilly, 2015)

1. G.Nalina Keerthana

2. M.K.M

Course Coordinator   HoD/CSE   Principal

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Willing Student list

CP1 Coordinator: Mrs.G.Nalina Keerthana,AP/CSE & Mr.M.K.Mohamed Faizal,AP/CSE

CP2 Coordinator: Mr.D.Yuvaraj., ASP/CSE & Mrs.A.Barveen., AP/CSE

Academic Year: 2015-2016

SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
1.	Abdul Kuthoose. M		✓
2.	Abinaya. M		✓
3.	Ahamed Basha. M		✓
4.	Francis Santhanaraj. A		✓
5.	Gowtham Kumar. V		✓
6.	Jiyasarageorge		✓
7.	Kanagaraj. N		✓
8.	Kaviya. M		✓
9.	Keerthana. R		✓
10.	Mohamed Abbas. S		✓
11.	Mohamed Anas. A		✓
12.	Mohamed Gani. Z		✓
13.	Mohamed Rafeek. S		✓
14.	Monica Mary. J		✓

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SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
15.	Muthukumar. S		✓
16.	Nafeela. S		✓
17.	Priyanga. M		✓
18.	Puvima. P		✓
19.	Rachel Debby. F		✓
20.	Roja. T		✓
21.	Vinodhini. J		✓
22.	Aarthi. S		✓
23.	Bakiyalakshmi. S		✓
24.	Barani. S		✓
25.	Imran. M		✓
26.	Infant Princy Merlin. J		✓
27.	Jegadeeswari. K		✓
28.	Krishnaveni. N		✓
29.	Mathan. P		✓
30.	Mohamed Farhan. S.H		✓
31.	Muthumeenakshi. S		✓
32.	Riyaz Ahamed. N		-
33.	Saravanakumar. S		✓
34.	Sathick Batcha. S		✓
35.	Sivanesan. G		✓
36.	Udaya Kumar. M		✓

SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
37.	Vijay Priyan. M		-
38.	Abdul Basith. M		✓
39.	Abdullah Gani. M		✓
40.	Akbar Basha. D		✓
41.	Amirthavalli. B		✓
42.	Asmath Haseena. M		✓
43.	Backiyalakshmi. A		✓
44.	Benazirbegam. S		✓
45.	Bhuvaneswari. T		✓
46.	Divya Priya. K		✓
47.	Elakkiya. V		✓
48.	Jamal Yaseen. K		✓
49.	Kalaiyarasan. M		✓
50.	Krithika. P.R		✓
51.	Mohamed Hamdhan. H		✓
52.	Mohamed Kalith. J		✓
53.	Mohamed Sultan. A		✓
54.	Mohamed Yousuf. S.M		✓
55.	Nanthini. R.S		✓
56.	Olivanan. C		✓
57.	Parvin Sulthana Begam. B		✓
58.	Parthasarathi. S		✓

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SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
59.	Praveen Kumar. D		✓
60.	Priya. S		✓
61.	Sindhu. R.K		✓
62.	Soumya. S		✓
63.	Vaidheki. S		✓
64.	Vijayalakshmi. B		✓
65.	Rahamath Tulla. A		✓
66.	Aadhitya. B.R	✓	
67.	Abdul Pathavu. S	✓	
68.	Abinaya. R	✓	
69.	Afsal Mohaideen. A	✓	
70.	Aiswarya. S	✓	
71.	Anbarasi. R	✓	
72.	Aravind Kumar. R	✓	
73.	Aravinth Kumar. S	✓	
74.	Arockiamary. A	✓	
75.	Arunpandi. P	✓	
76.	Asick Raja. S	✓	
77.	Asmitha. R	✓	
78.	Backiasheela. A	✓	
79.	Balakumar. M	✓	
80.	Dawood Azar. S	✓	

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SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
81.	Deenadhayalan. A	✓	
82.	Deiva Balan. S	-	
83.	Geetha. G	✓	
84.	Gomathi. S	✓	
85.	Hari Krishnan. K	✓	
86.	Hema Priya. R	✓	
87.	Jasmine Shalini. B	✓	
88.	Jayabharathi. D	✓	
89.	Jenifer. S	✓	
90.	Jenitha. S	✓	
91.	Kannal. R	✓	
92.	Karthik. K	✓	
93.	Karthika. P	✓	
94.	Kasthuri. A	✓	
95.	Kayalvizhi. R	✓	
96.	Lincy Priyadharshini. J	✓	
97.	Manikandaprabhu. Y	✓	
98.	Manimaran. T	✓	
99.	Manimozhi. S.R	✓	
100.	Meenakshi. S	✓	
101.	Mohamed Marzook. H	✓	
102.	Mohana Priya. M	✓	

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SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
103.	Muneeswari. S	✓	
104.	Nirmal Kumar. G	✓	
105.	Nirosha. S	✓	
106.	Praveen. VS	-	
107.	Pricilla Merlin Rupavathi. D	✓	
108.	Priyanka. P	✓	
109.	Raja. V	✓	
110.	Rajalakshmi. R	✓	
111.	Rajapriya. T	✓	
112.	Revathi. P	✓	
113.	Rishvana Farveen. M	✓	
114.	Riyazul Haq. A	✓	
115.	Sabeer Ahamed. B	✓	
116.	Shafeek Ahamed. A	✓	
117.	Shafeeq Ahamed. M	✓	
118.	Shanmuga Priya. A	✓	
119.	Shanmuga Priya. S	✓	
120.	Shanu Nazreen. S	✓	
121.	Sharmilah. T	-	
122.	Sharuk Dhayan Basha. U	✓	
123.	Sivanesan. V	✓	
124.	Sruthi. T	✓	

SL. NO	STUDENT NAME	CP1 Basic Concepts of Python Programming	CP2 Fundamentals of Hardware and Networking
125.	Surendhar. S	✓	
126.	Thalapathi Raja. T	✓	
127.	Thamaraiselvi. S	✓	
128.	Valarmathi. A	✓	
129.	Veera Kumar. M	✓	
130.	Vidhya. M	✓	
131.	Vigneshiya. C	✓	
132.	Vinoth. K	✓	
133.	Viswanathan. P	✓	
134.	Divya Lakshmi. D	✓	
135.	Gomathi. S	✓	
136.	Irfana Thasleem. S	✓	
137.	Mekala. T	✓	
138.	Mohamed Fahath. K	✓	
139.	Mohamed Haris. M	✓	
140.	Venkatesh. P	✓	

2.

1.

2. M. K.

1. G. Nalina keerthana
Course Coordinator

HoD/CSE

Principal

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Certificate Program (IV Year- VII Semester)
Course Delivery

Name of the Course: Basic Concepts of Python Programming

Course Code: CS15161

Course Coordinator: Mrs.G.Nalina Keerthana,AP/CSE & Mr.M.K.Mohamed Faizal,AP/CSE

Total Hours: 33

Academic Year: 2015-2016

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Interpreter	1	8-6-2015
2.	Data Types	1	
3.	Branching	2	
4.	Looping	2	
5.	Loop Control Statements	1	9-6-2015
6.	Strings	1	
7.	Strings Operations	1	
8.	Functions	2	
9.	Recursion	1	
10.	Function Composition	1	10-6-2015
11.	Lists	1	
12.	List Operations	1	
13.	Aliasing, Cloning	1	
14.	List Comprehension	2	
15.	Tuples	1	11-6-2015
16.	Tuples Methods	2	
17.	Dictionary	1	
18.	Dictionary Functions	2	

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Sl.No	Topics to be Covered	Hours	Date of Delivery
19.	Files, File Operations	2	
20.	Exception Handling	2	12-6-2015
21.	Packages	2	
22.	Modules	3	13-6-2015
	Total Hrs	33 Hrs	
23.	Revision	2	13-6-2015
24.	Test	1	13-6-2015

2. M.K. Mutha

1. G. Nalina keerthana
   Course Coordinator

HoD/CSE

Principal

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Ph: 0431 – 2660 303

Resource Person Details

Title of the program	Basic Concepts o Python Programming
Course Code	CS15161
Duration and timing of the program	33 Hrs, 09.30 AM – 05.00 PM
Name of the resource person	Mrs.G.Nalina Keerthana
Photo of the resource person	
Email address	nalinakeerthana.g@miet.edu
Contact number	9944917909
Designation	Assistant Professor
Educational qualification	• Completed B.E., Information Technology from JJ College of Engineering and Technology in the year 2004. • Completed M.E., Computer Science and Engineering from M.I.E.T Engineering College in the year 2013.
Experience	• Teaching Experience – 11 Years.

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Ph: 0431 – 2660 303

Resource Person Details

Title of the program	Basic Concepts o Python Programming
Course Code	CS15161
Duration and timing of the program	33 Hrs, 09.30 AM – 05.00 PM
Name of the resource person	Mr.M.K.Mohamed Faizal
Photo of the resource person	
Email address	mohamedfaizal.mk@miet.edu
Contact number	9150100633
Designation	Assistant Professor
Educational qualification	• Completed B.Tech., Information Technology from Sastra University in the year 2008. • Completed M.E., Computer Science and Engineering from M.I.E.T Engineering College in the year 2013.
Experience	• Teaching Experience – 6 Years.

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INSTITUTIONS Since 1984

Certificate Course (IV Year -VII Semester)
Attendance Sheet

Name of the course: **Basic Concepts of Python Programming**

Course code: CS15161

Course coordinator: Mrs.G.Nalina Keerthana,AP/CSE & Mr.M.K.Mohamed Faizal,AP/CSE

Academic Year: 2015-2016

SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
1.	E1125001	Aadhitya. B.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	E1125002	Abdul Pathavu. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	E1125003	Abinaya. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	E1125004	Afsal Mohaideen. A	/	/	/	/	/	/	a	a	a	a	a	/	/	/	/	/	/	/	/	/
5.	E1125005	Aiswarya. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	E1125006	Anbarasi. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	E1125007	Aravind Kumar. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	E1125010	Aravinth Kumar. S	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	E1125011	Arockiamary. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	E1125012	Arunpandi. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	E1125013	Asick Raja. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
12.	E1125014	Asmitha. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	E1125015	Backiasheela. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	E1125016	Balakumar. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	E1125018	Dawood Azar. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	E1125019	Deenadhayalan. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	E1125021	Geetha. G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	E1125023	Gomathi. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	E1125024	Hari Krishnan. K	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	E1125025	Hema Priya. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	E1125027	Jasmine Shalini. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	E1125028	Jayabharathi. D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	E1125029	Jenifer. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	E1125030	Jenitha. S	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	/	/	/
25.	E1125031	Kannal. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	E1125032	Karthik. K	/	/	/	/	/	/	a	a	a	a	a	a	/	/	/	/	/	/	/	/
27.	E1125033	Karthika. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	E1125035	Kasthuri. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	E1125036	Kayalvizhi. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
30.	E1125037	Lincy Priyadharshini. J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31.	E1125039	Manikandaprabhu. Y	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32.	E1125040	Manimaran. T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33.	E1125041	Manimozhi. S.R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34.	E1125043	Meenakshi. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35.	E1125046	Mohamed Marzook. H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36.	E1125047	Mohana Priya. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37.	E1125048	Muneeswari. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38.	E1125050	Nirmal Kumar. G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39.	E1125051	Nirosha. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40.	E1125053	Pricilla Merlin Rupavathi. D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41.	E1125054	Priyanka. P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42.	E1125055	Raja. V	✓	✓	✓	✓	✓	✓	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓
43.	E1125056	Rajalakshmi. R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44.	E1125057	Rajapriya. T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45.	E1125058	Revathi. P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46.	E1125059	Rishvana Farveen. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47.	E1125060	Riyazul Haq. A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	a	a	a	a	✓	✓

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SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
48.	E1125061	Sabeer Ahamed. B	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	E1125062	Shafeek Ahamed. A	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	/	/	/
50.	E1125063	Shafeeq Ahamed. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	E1125064	Shanmuga Priya. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52.	E1125065	Shanmuga Priya. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53.	E1125066	Shanu Nazreen. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
54.	E1125068	Sharuk Dhayan Basha. U	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
55.	E1125069.	Sivanesan. V	/	/	/	/	/	/	a	a	a	a	a	a	/	/	/	/	/	/	/	/
56.	E1125070	Sruthi. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57.	E1125071	Surendhar. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	E1125072	Thalapathi Raja. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	E1125073	Thamaraiselvi. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	E1125074	Valarmathi. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61.	E1125075	Veera Kumar. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
62.	E1125076	Vidhya. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63.	E1125077	Vigneshiya. C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
64.	E1125078	Vinoth. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
65.	E1125079	Viswanathan. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
66.	E2135080	Divya Lakshmi. D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
67.	E2135081	Gomathi. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
68.	E2135082	Irfana Thasleem. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
69.	E2135083	Mekala. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
70.	E2135084	Mohamed Fahath. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
71.	E2135085	Mohamed Haris. M	/	/	/	/	/	/	/	/	/	/	/	/	a	a	a	a	a	a	/	/
72.	E2135086	Venkatesh. P	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/

SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	R & T
1.	E1125001	Aadhitya. B.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	E1125002	Abdul Pathavu. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	E1125003	Abinaya. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	E1125004	Afsal Mohaideen. A	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/
5.	E1125005	Aiswarya. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	E1125006	Anbarasi. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	E1125007	Aravind Kumar. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	E1125010	Aravinth Kumar. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	E1125011	Arockiamary. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	E1125012	Arunpandi. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	E1125013	Asick Raja. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	E1125014	Asmitha. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	E1125015	Backiasheela. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	E1125016	Balakumar. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	E1125018	Dawood Azar. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	E1125019	Deenadhayalan. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	R & T
17.	E1125021	Geetha. G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	E1125023	Gomathi. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	E1125024	Hari Krishnan. K	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/
20.	E1125025	Hema Priya. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	E1125027	Jasmine Shalini. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	E1125028	Jayabharathi. D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	E1125029	Jenifer. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	E1125030	Jenitha. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	E1125031	Kannal. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	E1125032	Karthik. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	E1125033	Karthika. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	E1125035	Kasthuri. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	E1125036	Kayalvizhi. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	E1125037	Lincy Priyadharshini. J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	E1125039	Manikandaprabhu. Y	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32.	E1125040	Manimaran. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33.	E1125041	Manimozhi. S.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	R & T
34.	E1125043	Meenakshi. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35.	E1125046	Mohamed Marzook. H	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	E1125047	Mohana Priya. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	E1125048	Muneeswari. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	E1125050	Nirmal Kumar. G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	E1125051	Nirosha. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	E1125053	Pricilla Merlin Rupavathi. D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	E1125054	Priyanka. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	E1125055	Raja. V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	E1125056	Rajalakshmi. R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	E1125057	Rajapriya. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	E1125058	Revathi. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	E1125059	Rishvana Farveen. M	/	/	/	/	a	a	a	a	a	a	/	/	/	/	/
47.	E1125060	Riyazul Haq. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
48.	E1125061	Sabeer Ahamed. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	E1125062	Shafeek Ahamed. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	E1125063	Shafeeq Ahamed. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	R & T
51.	E1125064	Shanmuga Priya. A															
52.	E1125065	Shanmuga Priya. S															
53.	E1125066	Shanu Nazreen. S															
54.	E1125068	Sharuk Dhayan Basha. U					a	a	a	a	a	a	a				
55.	E1125069	Sivanesan. V															
56.	E1125070	Sruthi. T															
57.	E1125071	Surendhar. S															
58.	E1125072	Thalapathi Raja. T															
59.	E1125073	Thamaraiselvi. S															
60.	E1125074	Valarmathi. A															
61.	E1125075	Veera Kumar. M															
62.	E1125076	Vidhya. M															
63.	E1125077	Vigneshiya. C															
64.	E1125078	Vinoth. K															
65.	E1125079	Viswanathan. P															
66.	E2135080	Divya Lakshmi. D															
67.	E2135081	Gomathi. S															

SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	R & T
			X														
68.	E2135082	Irfana Thasleem. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
69.	E2135083	Mekala. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
70.	E2135084	Mohamed Fahath. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
71.	E2135085	Mohamed Haris. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
72.	E2135086	Venkatesh. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

2- M. K. ·

1. G. Nalina Keerthana
Course Coordinator

HOD/CSE

Principal

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M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
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Certificate Program Assessment Test

Name of the course: Basic Concepts of Python Programming
Course Code: CS15161
Academic Year: 2015-2016

Date: 13.6.15
Time: 1:00 hr

Total marks : 50 Marks

PART –A(25*2marks=50 Marks)

1. What will be the output of the following program on execution?

a=0

b=5

x=(a&b)|(a&a)|(a|b)

print("x")

    A. 1
    B. 5
    C. 0
    D. None of the above

2. What will be the output of the following program on execution?

if False:

        print ("inside if block")

elif True:

        print ("inside elif block")

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else:

> print ("inside else block")

A. inside if block
B. inside elif block
C. inside else block
D. Error

3. Which of the following statements are correct?
(i) Python is a high level programming language.
(ii) Python is an interpreted language.
(iii) Python is a compiled language.
(iv) Python program is compiled before it is interpreted.

A. i, ii
B. i, iv
C. ii, iii
D. ii, iv

4. Which of the following is incorrect variable name in Python?

A. variable_1
B. variable1
C. 1variable
D. _variable

5. What will be the output of following Python code snippet?

```python
str1="012"

num1=2

num2=0

for i in range(4):

  num1+=2

  for j in range(len(str1)):

    num2=num2+num1

num3=num2%int(str1)

print(num3)
```

A. 7
B. Infinite Loop
C. 0
D. Error

6. What will be the result of following Python code snippet after execution?

```python
str1=""

i=0

var2=1

while(i<3):

  var1=1

  if str1:

    var2=var1*var2+5

  else:

    var2=var1*var2+1

  i=i+1

print(var2)
```

    A. 16
    B. 12
    C. 11
    D. 4

7. Which of the following will result in error?
(i) list1[3]=list1[2]
(ii) list1[3]=list1[4]
(iii) list1.insert(1,78)
(iv) list1.pop(50)

If list1=[10,20,60,50]

A. i, iii
B. i, iv
C. ii, iv
D. ii, iii

8. What will be the output of the following program on execution?

a=0

b=6

x=(a&b)|(a&a | a&b)

y=not(x)

print(y)

A. 6
B. True
C. 0
D. False

9. Which of the given options has same output as given statement?

If var1=7

var2=5

var3=1

var4=10

var5=20

(var1*var2)>(var5+var4*var3) and ((var5+var3)/var1)>=(var2-2)/var3

A. (var5/var4)>var3 and (var3*var2)>=(var1*var3)
B. (var5-var4)*var2
C. (var4/var2)>var1 and (var1*3)/var3
D. (var1/var3)>var4 or var5*2==var4

10. What will be the output of following Python code snippet?

```
for i in range(0 , -2 , -1):

    print(i)
```

A. 0, -1
B. 0, -1, -1
C. -1, -2
D. Error

11. What will be the result of following Python code snippet after execution?

```
a=0

b=1

if (a and b):

    print("hi")

elif(not(a)):

    print("hello")

elif(b):

    print("hi world")

else:
    print("hello world")
```

A. hello world
B. hi
C. hi world
D. hello

12. Which of the following operations cannot be done on string str1, where str1="LETSFINDCOURSE."?

A. str1+="Learning made easy"
B. str1[1]="a"
C. print(str1[1])
D. str1[0:4]

13. What will be the output of below Python code?

list1=[8,0,9,5]

print(list1[::-1])

A. [5,9,0,8]
   B. [8,0,9]
   C. [8,0,9,5]
   D. [0,9,5]

14. Which of the following will give output as [23,2,9,75] ?

If list1=[6,23,3,2,0,9,8,75]

A. print(list1[1:7:2])
B. print(list1[0:7:2])
C. print(list1[1:8:2])
D. print(list1[0:8:2])

15. What will be the result after the execution of above Python code?

list1=[3,2,5,7,3,6]

list1.pop(3)

print(list1)

    A. [3,2,5,3,6]
    B. [2,5,7,3,6]
    C. [2,5,7,6]
    D. [3,2,5,7,3,6]

16. What will be the output of below Python code?

tuple1=(2,4,3)

tuple3=tuple1*2

print(tuple3)

    A. (4,8,6)
    B. (2,4,3,2,4,3)
    C. (2,2,4,4,3,3)
    D. Error

17. Which of the following options will not result in an error when performed on tuples in Python where tupl=(5,2,7,0,3)?

    A. tupl[1]=2
    B. tupl.append(2)
    C. tupl1=tupl+tupl
    D. tupl.sort()

18. What will be the output of below Python code?

```
tupl=([2,3],"abc",0,9)

tupl[0][1]=1

print(tupl)
```

    A. ([2,3],"abc",0,9)
    B. ([1,3],"abc",0,9)
    C. ([2,1],"abc",0,9)
    D. Error

19. Which of the following two Python codes will give same output?
(i) print(tupl[:-1])
(ii) print(tupl[0:5])
(iii) print(tupl[0:4])
(iv) print(tupl[-4:])

If tupl=(5,3,1,9,0)

    A. i, ii
    B. ii, iv
    C. i, iv
    D. i, iii

20. What will be the output of above Python code?

```
d1={"abc":5,"def":6,"ghi":7}

print(d1[0])
```

    A.abc
    B. 5
    C. {"abc":5}
    D. Error

21. What will be the result of above Python code?

dict={"Joey":1,"Rachel":2}

dict.update({"Phoebe":2})

print(dict)

A. {"Joey":1,"Rachel":2,"Phoebe":2}
B. {"Joey":1,"Rachel":2}
C. {"Joey":1,"Phoebe":2}
D. Error

22. What will be the following Python code?

dict1={"a":10,"b":2,"c":3}

str1=""

for i in dict1:

   str1=str1+str(dict1[i])+" "

   str2=str1[:-1]

print(str2[::-1])

A. 3, 2
B. 3, 2, 10
C. 3, 2, 01
D. Error

23. What is the maximum length of an identifier in python?

A. 32
B. 31
C. 63
D. None of the above

24. What is the output of the following code : print 5//2

  A. 2
  B. 2.5
  C. 2.0
  D. Error

25. How to copy one list to another in python?

  A. l1[] = l2[]
  B. l1[] = l2
  C. l1[] = l2[:]
  D. l1 = l2

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One Page Report

Name of the course: **Basic Concepts of Python Programming**
Course Code: CS15161
Course Coordinator: Mrs.G.Nalina Keerthana, AP/CSE and Mr.Mohamed Faizal, AP/CSE
Total Hours: 33
Academic Year: 2015-2016

.I hereby affirm that the entire course contents listed in the course syllabus of the certificate program "Basic Concepts of Python Programming" have educated to the students as the part of the prescribed co – curricular activities through certificate program.

They have been given the fundamental concepts of Python Programming and students clearly understood the syntax differences between C and Python and they can be able to create basic programs for solving various problems.

I confirmed that the certificate program titled as "Basic Concepts o Python Programming" has been conducted in the beginning of the semester and course delivery along with attendance of the students was recorded.

I confirmed that all the students were actively attended this certificate program and performed well throughout the program and eligible students received the certificate.

2. Mok.
1. G.Nalina keerthana
Course Coordinator

HoD/CSE

Principal

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Course Completion Certificate

This is to Certify that Mr/Ms. _Arunpandi . P_

of _Final year CSE_ has Completed the Course on

Basic Concepts of Python Programming from _8.6.15_ to _13.6.15_

G. Nalina Keerthana
Course Coordinator

HoD

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This is to Certify that Mr/Ms. _B. Jasmine Shalini_

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G. Nalina Keerthana
Course Coordinator

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This is to Certify that Mr/Ms. **Lincy Priyadharshini. J**

of **Final year CSE** has Completed the Course on

Basic Concepts of Python Programming from **8.6.15** to **13.6.15**

G. Nalina Keeethana
Course Coordinator

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This is to Certify that Mr/Ms. _K. Vinoth_

of _Final year CSE_ has Completed the Course on

Basic Concepts of Python Programming from _8.6.15_ to _13.6.15_

G. Nalina Keerthana
Course Coordinator

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This is to Certify that Mr/~~Ms~~. _S. Abdul Pathavu_

of _Final year CSE_ has Completed the Course on

Basic Concepts of Python Programming from _8.6.15_ to _13.6.15_

G. Nalina keuthane
Course Coordinator

Hod

Principal

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Ph: 0431 – 2660 303

Date: 8.12.2015

To

The Principal

M.I.E.T Engineering College,

Trichy – 620007

Respected Madam,

Sub: Permission to conduct the certificate program – Reg...

We have planned to conduct the certificate program for our second year and third year CSE students from 21.12.2015 to 30.12.2015.(21st, 22nd,23rd,28th, 29th and 30th of December 2015)

Name of the Certificate Program	Course Coordinator
Fundamentals of Hardware and Networking	Mr.D.Yuvaraj., ASP/CSE and Mrs.A.Barveen., AP/CSE

So kindly give us permission to conduct the course and to utilize the class room and lab.

Thanking you

1.

2.

Course Coordinator   HoD/CSE   Principal

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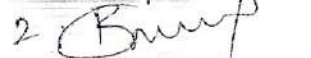
Ph: 0431 – 2660 303
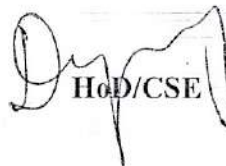
10.12.2015

CIRCULAR

Sub: Certificate Program

It is planned to conduct the Certificate Program for the second year and third year Computer Science and Engineering students.

The Certificate Programs are short term certificate courses which are designed and offered by our department for the benefit of our students. Certificate Program will be conducted at free of cost and based on the performance of the participated students, the merit certificate will be issued after the successful completion of the course.

Students those who are willing to attend the below mentioned course can enroll their name to the course coordinator.

Name of the Certificate Program	Course Coordinator
Fundamentals of Hardware and Networking	Mr.D.Yuvaraj., ASP/CSE and Mrs.A.Barveen., AP/CSE
Commencement of course 21.12.2015 to 30.12.2015 (21st, 22nd,23rd,28th, 29th and 30th of December 2015)	
Time: 9.00 AM – 5.30 PM	

1.

2.

Course Coordinator

HoD/CSE

Principal

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M.I.E.T ENGINEERING COLLEGE, TRICHY – 7.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate Program (II Year & III Year –IV Semester & VI Semester)

Course Syllabus

Name of the course: Fundamentals of Hardware and Networking.

Course Code: CS15162

Course Coordinator: Mr.D.Yuvaraj., ASP/CSE, Mrs.A.Barveen., AP/CSE

Total Hours: 35   Academic Year: 2015-2016

Objective

To build on the Computer Networking knowledge or move into Network Engineering positions such as Systems Admin, Network Admin or Technical Operations.

UNIT I –INTRODUCTION   7
Introduction- PC Components and Identification- Study of Different Blocks- Assembling & Trouble shooting- Installation- Operating system- Installation-Software- Installation- Devices.

UNIT II–NETWORKING   7
Introduction to Networking Fundamentals- Networking History and Evolution- Introduction to Network Architecture and Design- Network components design and functions.

UNIT III –AREA NETWORKS   7
Types of Networks Personal Area Networks (PANs) -Local Area Networks (LANs)- Campus Area Networks (CANs) Metropolitan Area Networks (MANs)- Cabling and Troubleshooting -Wide Area Networks (WANs)-Open Systems Interconnection (OSI) Reference Model.

UNIT IV –MESSAGING METHODS   7
Types of Messaging Unicast Messaging- Broadcast Messaging- Multicast Messaging Interconnecting LANs-Types of Addressing- Switching and Bridging.

UNIT V –ROUTING   7
Routing protocols -Domain Name System (DNS) -Security & Firewall- Types of servers- Internet connections.

Course Outcomes

The students will be able

- To acquire basic knowledge in computer hardware and peripherals for installation, PC assembly, trouble shooting and maintenance, internet and intranet.
- To know the Basic of Computer assembling and trouble shooting and to provide the brief knowledge of Computer networking and trouble shooting.

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References

- PC Hardware in A Nutshell, a Desktop Quick reference By Barbara Fritch man Thompson.
- A Beginner's Guide for Mastering Computer Networking: A Complete Overview on Windows and Hardware Networking Made Easy. Paperback – December 25, 2019

1.

2.

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Certificate Program (II Year& III Year– IV Semester& VI Semester)
Course Delivery

Name of the Course: Fundamentals of Hardware and Networking
Course Code: CS15162
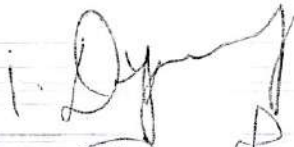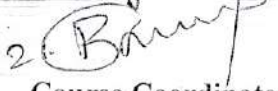Course Coordinator: Mr.D.Yuvaraj., ASP/CSE and Mrs.A.Barveen., AP/CSE
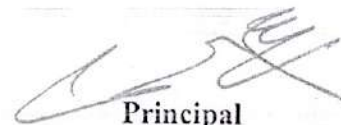Total Hours: 35
Academic Year: 2015-2016

Sl.No	Topics to be Covered	Hours	Date of Delivery
1.	Introduction	1	21-12-15
2.	PC Components and Identification	1	
3.	Study of Different Blocks	1	
4.	Assembling & Trouble shooting	2	
5.	Installation	2	
6.	Operating system	1	22-12-15
7.	Software- Installation- Devices	2	
8.	Introduction to Networking Fundamentals	1	
9.	Networking History and Evolution	1	
10.	Introduction to Network Architecture and Design	1	
11.	Network components design and functions	1	
12.	Types of Networks Personal Area Networks (PANs)	1	23-12-15
13.	Local Area Networks (LANs)	2	
14.	Area Networks (CANs) Metropolitan Area Networks (MANs)	1	
15.	Cabling and Troubleshooting	2	
16.	Wide Area Networks (WANs)	1	
17.	Open Systems Interconnection (OSI) Reference Model	1	28-12-15
18.	Types of Messaging Unicast Messaging	1	
19.	Broadcast Messaging	1	

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Sl.No	Topics to be Covered	Hours	Date of Delivery
20.	Multicast Messaging Interconnecting LANs	2	
21.	Types of Addressing	1	
22.	Switching and Bridging	1	
23.	Routing protocols	2	
24.	Domain Name System (DNS)	1	
25.	Security & Firewall	2	29-12-15
26.	Types of servers	1	
27.	Internet connections	1	
Total Hrs		35 Hrs	
28.	Revision	2	30-12-15
29.	Test	1	30-12-15

Course Coordinator   **HoD/CSE**   **Principal**

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Resource Person Details

Title of the program	Fundamentals of Hardware and Networking
Course Code	CS15162
Duration and timing of the program	35 Hrs, 09.00 AM – 05.30 PM
Name of the resource person	Mr. Anand.S
Photo of the resource person	
Email address	caddzonetrichy@gmail.com
Contact number	90920 74444
Designation	Hardware Network Engineer
Educational qualification	• Completed Bachelor of Engineering
Experience	• Industrial experience 10 years • Teaching Experience 5 years.

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Resource Person Details

Title of the program	Fundamentals of Hardware and Networking
Course Code	CS15162
Duration and timing of the program	35 Hrs, 09.00 AM – 05.30 PM
Name of the resource person	Mr.D.Yuvaraj., ASP/CSE
Photo of the resource person	
Email address	yuva.r.d@gmail.com
Contact number	9884933917
Designation	Associate Professor
Educational qualification	• Completed B.E,Computer Science and Engineering from JJ College of Engineering and Technology in the year 2001. • Completed M.Tech, Computer and Information Technology from Manonmanium Sundranar University in the year 2004.
Experience	• Teaching Experience – 12 Years.

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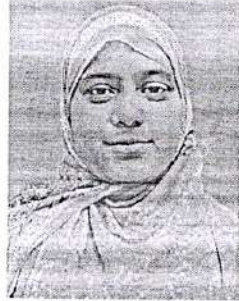
Ph: 0431 – 2660 303

Resource Person Details

Title of the program	Fundamentals of Hardware and Networking
Course Code	CS15162
Duration and timing of the program	35 Hrs, 09.00 AM – 05.30 PM
Name of the resource person	Mrs.A.Barveen., AP/CSE
Photo of the resource person	
Email address	barveen.a@miet.edu
Contact number	9952848099
Designation	Assistant Professor
Educational qualification	• Completed B.E., Computer Science and Engineering from Shanmuganathan Engineering College in the year 2008. • Completed M.E., Computer Science and Engineering from M.I.E.T Engineering College in the year 2013.
Experience	• Teaching Experience – 6 Years.

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Certificate Course (II Year & III Year – IV Semester & VI Semester)
Attendance Sheet

Name of the course: Fundamentals of Hardware and Networking
Course code: CS15162
Course coordinator: Mr.D.Yuvaraj., ASP/CSE & Mrs.A.Barveen., AP/CSE
Academic Year: 2015-2016

SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
1.	E1145001	Abdul Kuthoose. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
2.	E1145002	Abinaya. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	E1145003	Ahamed Basha. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	E1145004	Francis Santhanaraj. A	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	E1145005	Gowtham Kumar. V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	E1145006	Jiyasarageorge	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	E1145007	Kanagaraj. N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	E1145008	Kaviya. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	E1145009	Keerthana. R	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	E1145010	Mohamed Abbas. S	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	E1145011	Mohamed Anas. A	/	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12.	E1145012	Mohamed Gani. Z	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13.	E1145013	Mohamed Rafeek. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14.	E1145014	Monica Mary. J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15.	E1145015	Muthukumar. S	a	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16.	E1145016	Nafeela. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17.	E1145018	Priyanga. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18.	E1145019	Puvima. P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19.	E1145020	Rachel Debby. F	✓	✓	✓	✓	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20.	E1145021	Roja. T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21.	E1145022	Vinodhini. J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22.	E2155023	Aarthi. S	a	a	a	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23.	E2155024	Bakiyalakshmi. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24.	E2155025	Barani. S	a	a	✓	✓	✓	✓	✓	a	a	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓
25.	E2155026	Imran. M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26.	E2155027	Infant Princy Merlin. J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27.	E2155028	Jegadeeswari. K	a	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28.	E2155029	Krishnaveni. N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	a	a	✓	✓	✓	✓	a	a
29.	E2155030	Mathan. P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	20
30.	E2155031	Mohamed Farhan. S.H	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	E2155033	Muthumeenakshi. S	/	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
32.	E2155035	Saravanakumar. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33.	E2155036	Sathick Batcha. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34.	E2155037	Sivanesan. G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
35.	E2155038	Udaya Kumar. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	E1135001	Abdul Basith. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	E1135002	Abdullah Gani. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	E1135003	Akbar Basha. D	/	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	E1135004	Amirthavalli. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	E1135005	Asmath Haseena. M	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	E1135006	Backiyalakshmi. A	/	/	/	/	/	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/
42.	E1135007	Benazirbegam. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	E1135008	Bhuvaneswari. T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	E1135009	Divya Priya. K	a	a	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/	/
45.	E1135010	Elakkiya. V	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	E1135012	Jamal Yaseen. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	E1135013	Kalaiyarasan. M	/	/	/	/	a	a	a	/	/	/	a	a	a	/	/	/	/	/	/	/

SL.NO	ROLL NO	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
48.	E1135014	Krithika. P.R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	E1135015	Mohamed Hamdhan. H	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	E1135016	Mohamed Kalith. J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	E1135017	Mohamed Sultan. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	a
52.	E1135018	Mohamed Yousuf. S.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53.	E1135019	Nanthini. R.S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
54.	E1135021	Olivanan. C	/	/	/	/	a	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/
55.	E1135022	Parvin Sulthana Begam. B	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56.	E1135023	Parthasarathi. S	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57.	E1135024	Praveen Kumar. D	/	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	E1135025	Priya. S	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	E1135026	Sindhu. R.K	/	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	E1135027	Soumya. S	a	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61.	E1135028	Vaidheki. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
62.	E1135030	Vijayalakshmi. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63.	E2145031	Rahamath Tulla. A	/	/	/	/	a	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/

4

SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	R & T
1.	E1145001	Abdul Kuthoose. M	/	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/	/
2.	E1145002	Abinaya. M	/	/	/	/	/	/	/	/	/	/	/		/	/	/	/	/
3.	E1145003	Ahamed Basha. M	/	/	/	/	/	/	/	/	/		/	/	/	/	/	/	/
4.	E1145004	Francis Santhanaraj. A	/	/	/	/	/	/	/	/	/		/	/	/	/	/		/
5.	E1145005	Gowtham Kumar. V	/	/	/	/	/	/	/	/	/		/	/	/	/	/		/
6.	E1145006	Jiyasarageorge	/	a	a	a	a	a	a	a	a		/	/	/	/	/	/	/
7.	E1145007	Kanagaraj. N	/	a	a	a	a	a	a	a	a		/	/	/	/	/	/	/
8.	E1145008	Kaviya. M	/	a	a	a	a	a	a	a	a		/	/	/	/	/	/	/
9.	E1145009	Keerthana. R	/	/	/	/	/	/	/	/	/		/	/	/	/	/	/	/
10.	E1145010	Mohamed Abbas. S	/	/	/	/	/	/	/	/	/		/	/	/	/	/	/	/
11.	E1145011	Mohamed Anas. A	/	/	/	/	/	/	/	/	/		/	/	/	/	/	/	/
12.	E1145012	Mohamed Gani. Z	/	/	/	/	/	/	/		/		/	/	/	/	/	/	/
13.	E1145013	Mohamed Rafeek. S	/	/	/	/	/	/	/	/	/		/	/	/	/	/	/	/
14.	E1145014	Monica Mary. J	/	/	/	/	/	/	/	/	/		/	/	/	/	/	/	/
15.	E1145015	Muthukumar. S	/	/	/	/	/	/	/	/	/		/	/		/	/	/	/
16.	E1145016	Nafeela. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	E1145018	Priyanga. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
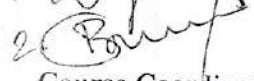
SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	R & T
18.	E1145019	Puvima. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
19.	E1145020	Rachel Debby. F	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	E1145021	Roja. T	/	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
21.	E1145022	Vinodhini. J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	E2155023	Aarthi. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	E2155024	Bakiyalakshmi. S	/	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
24.	E2155025	Barani. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	E2155026	Imran. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	E2155027	Infant Princy Merlin. J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	E2155028	Jegadeeswari. K	a	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
28.	E2155029	Krishnaveni. N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	E2155030	Mathan. P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	E2155031	Mohamed Farhan. S.H	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	E2155033	Muthumeenakshi. S	/	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
32.	E2155035	Saravanakumar. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33.	E2155036	Sathick Batcha. S	a	a	a	a	a	a	a	a		/	/	/	/	/	/	/	/
34.	E2155037	Sivanesan. G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

6
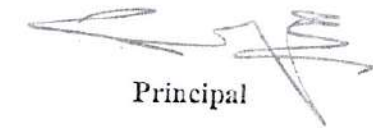
SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	R & T
35.	E2155038	Udaya Kumar. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	E1135001	Abdul Basith. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	E1135002	Abdullah Gani. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	E1135003	Akbar Basha. D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	E1135004	Amirthavalli. B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	E1135005	Asmath Haseena. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	E1135006	Backiyalakshmi. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	E1135007	Benazirbegam. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	E1135008	Bhuvaneswari. T	/	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
44.	E1135009	Divya Priya. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	E1135010	Elakkiya. V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	E1135012	Jamal Yaseen. K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	E1135013	Kalaiyarasan. M	/	a	a	a	a	a	a	a	a	/	/	/	/	/	/	/	/
48.	E1135014	Krithika. P.R	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	E1135015	Mohamed Hamdhan. H	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	E1135016	Mohamed Kalith. J	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	E1135017	Mohamed Sultan. A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.NO	ROLL NO	STUDENT NAME	21	22	23	24	24	25	26	27	28	29	30	31	32	33	34	35	R & T
52.	E1135018	Mohamed Yousuf. S.M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
53.	E1135019	Nanthini. R.S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
54.	E1135021	Olivanan. C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
55.	E1135022	Parvin Sulthana Begam. B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
56.	E1135023	Parthasarathi. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
57.	E1135024	Praveen Kumar. D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
58.	E1135025	Priya. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
59.	E1135026	Sindhu. R.K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
60.	E1135027	Soumya. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
61.	E1135028	Vaidheki. S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
62.	E1135030	Vijayalakshmi. B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
63.	E2145031	Rahamath Tulla. A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Course Coordinator

HoD/CSE

Principal

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Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

Certificate Program Assessment Test

Name of the course: Fundamentals of Hardware and Networking
Course Code: CS15162
Academic Year: 2015-2016

Date: 30.12.15
Time: 1:00 hr

Total marks : 50 Marks

PART –A(25*2marks=50 Marks)

1. The various cards in a PC requires _____ voltage to function.

a) AC

b) DC

2. What type of hard disk formatting creates FAT (File Allocation Table) ?

a) High Level

b) Low Level

3. Which Component of pc maintains data and time

a) CMOS RAM

b) vRAM

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4. Data stored in a ROM cannot be changed by user of a computer?

a) TRUE

b) FALSE

5. SMPS stands for:

a) Switch Mode Power Supply

b) Simple Mode Power Supply

6. Which of the following is NOT a type of motherboard expansion slot?

a) ISA

b) PCI

c) AGP

d) ATX

7.Which is the best hard disk seek time?

a) 3ms

b) 5ms

8.A program written using binary codes is called:

a) Software language

b) Machine language

9. To be bootable a DOS partition must be:

a) active

b) copied

10 What does FDISK do?

a) performs low-level formatting of the hard drive

b) fixes bad sectors on the hard drive

c) recovers lost clusters on the hard drive

d) creates partitions on the hard drive

11 What type of memory is a PEN drive...?

a) FLASH Memory

b) Cache Memory

12 Portable Pen Drive connects to the_____port of computer

a) USP2,0

b) USP

13 Which has more storage capacity CD or DVD

a) DVD

b) CD

14 What are the four key functions of a computer system?

a) input, processing, output, and storage

b) keyboard, display, memory, and disk drive

c) word processing, spreadsheets, database

d) bits, bytes, words, and OSI

15. How will you find the IP address of a particular system?

16. Which protocol does Ping use?

a)TCP
b)ARP

c)ICMP

d)BootP

17.What is the maximum number of IP addresses that can be assigned to hosts on a local subnet that uses the 255.255.255.224 subnet mask?

a)14

b)15

c)16

d)30

18. What is the subnetwork number of a host with an IP address of 172.16.66.0/21?

a)172.16.36.0

b)172.16.48.0

c)172.16.64.0

d)172.16.0.0

19. What is MTU stands for in a routing table?

20. Which protocol is used to find the MAC address with the help of IP address.

a)ICMP

b)ARP

c)RARP

d)IP

21. How long is an IPv6 address?

a)32 bits

b)128 bytes

c)64 bits

d)128 bits

22. Where is a hub specified in the OSI model?

a) Session layer

b) Physical layer

c) Data Link layer

d) Application layer
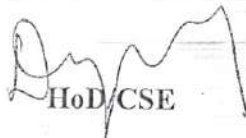
23. Which class of IP address has the most host addresses available by default?
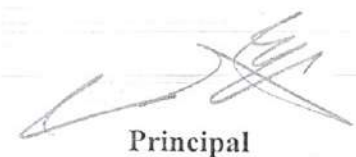
a) A

b) B

c) C

d) A and B

24. How are IP addresses arranged and displayed?

25. Is firewall hardware or software

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One Page Report

Name of the course: Fundamentals of Hardware and Networking
Course Code: CS15162
Course Coordinator: Mr.D.Yuvaraj., ASP/CSE and Mrs.A.Barveen., AP/CSE
Total Hours: 35

Academic Year: 2015-2016

I hereby affirm that the entire course contents listed in the course syllabus of the certificate program "Fundamentals of Hardware and Networking" have educated to the students as the part of the prescribed co – curricular activities through certificate program.
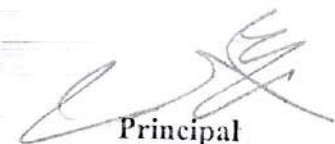
They have been given hands on session on the topics mentioned and students clearly understood the hardware configuration of the system and Networking done in real time environment.

I confirmed that the certificate program titled as "Fundamentals of Hardware and Networking" has been conducted in the beginning of the semester and course delivery along with attendance of the students was recorded.

I confirmed that all the students were actively attended this certificate program and performed well throughout the program and eligible students received the certificate.

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Course Completion Certificate

This is to Certify that Mr/Ms. **M. ABINAYA**

of **II yr CSE** has Completed the Course on

Fundamentals of Hardware and Networking

from **21.12.15** to **30.12.15**.

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N. Santharam
Center Head

Course Coordinator

HoD

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Course Completion Certificate

This is to Certify that Mr/Ms. _Z. MOHAMED GANI_

of _II yr CSE_ has Completed the Course on

Fundamentals of Hardware And Networking

from _21.12.15_ to _30.12.15_.

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N. Santhanam.
Center Head

Course Coordinator

HoD

Principal

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This is to Certify that Mr/Ms. __J. RACHEL DEBBY__

of ___II yr CSE___ has Completed the Course on

__Fundamentals of Hardware And Networking__

from __21.12.15__ to __30.12.15__.

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N. Santhanam.
Center Head

Course Coordinator

HoD

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Course Completion Certificate

This is to Certify that Mr/Ms. __A. MOHAMED SULTHAN__

of __III yr CSE__ has Completed the Course on

__Fundamentals of Hardware And Networking__

from __21.12.15__ to __30.12.15__.

N. Santharam.
Center Head

Course Coordinator

HoD

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TCIL IT
A Govt. of India Enterprise

(A Government of India Enterprise under Ministry of Communication & Information Technology)

Course Completion Certificate

This is to Certify that Mr/Ms. _S. BENAZIR BEGAM._

of _III yr CSE_ has Completed the Course on

Fundamentals of Hardware and Networking

from _21.12.15_ to _30.12.15_.

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