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
Accredited with 'A+' grade by NAAC
An ISO 9001:2015 Certified Institution
Recognized by UGC under section 2(f) & 12(B) of UGC Act, 1956
Trichy – Pudukkottai Road, Tiruchirappalli – 620 007. Phone:0431-2660 303
Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu

1.2.2 Number of Add on/certificate programs offered during 2023-2024

INDEX

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
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Date: 31.7.2023

To

    The Principal,

    M.I.E.T Engineering College,

    Trichy – 620007

Respected Sir,

        Sub: Permission to conduct a certificate program – Reg.

      We have planned to conduct a certificate program for our third and final year students of Computer Science and Engineering from **07.08.2023** to **11.08.2023**.

Name of the Certificate Program	Course Coordinators
WEB ESSENTIALS	**Mrs.M.Bharathi, AP/CSE**

So, kindly give us permission to conduct the course and to utilize the computer lab.

Thanking you.

Course Coordinator(s)   **HoD/CSE**   **Principal**

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2

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1-08-2023

CIRCULAR

Sub: Certificate Program

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

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 names to the course coordinator.

Name of the Certificate Program	Course Coordinators
WEB ESSENTIALS	**Mrs.M.Bharathi, AP/CSE**
Commencement of course from 07.08.2023 to 11.08.2023. **Time: 9.30 AM – 5.00 PM**	

Course Coordinator(s)   **HoD/CSE**   **Principal**

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3

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Certificate Program (III & IV Year)

Course Syllabus

Name of the course:WEB ESSENTIALS

Course Code:CS23241

Course Coordinator: Mrs.M.Bharathi, AP/CSE

Academic Year :2023-2024   **Total Hours:**40

Objectives: The students will be able to

- To Create websites that adapt and provide optimal viewing experiences across a wide range of devices and screen sizes.
- To Understand the fundamentals of web development, including the distinction between front-end and back-end technologies.
- To Understand key metrics like page views, bounce rates, and conversion rates.
- To Understand performance testing tools and techniques.
- To apply basic CSS properties (e.g., color, font, spacing, borders).

UNIT 1: INTRODUCTION TO WEB DEVELOPMENT   **8**
Overview of web technologies - such as HTML, CSS, JavaScript - web browsers. Learn the basic structure - webpage and the client-server model-Including HTTP/HTTPS-Understand tools for web development - - browser developer tools.

UNIT 2: HTML BASICS   **7**
Learn the structure of HTML documents -Essential HTML tags - like links, images, tables, forms, and lists - Understand semantic HTML – HTMLits importance in accessibility - SEO.

UNIT 3: CSS FOR WEB DESIGN   **7**
Introduction to CSS -CSS syntax, selectors, properties, and values - Learn about layout techniques - like the box model – Flexboxand Grid - Understand responsive web design using media queries.

UNIT 4: JAVASCRIPT FUNDAMENTALS   **8**
Get introduced to JavaScript- JavaScript including variables - data types, and functions -DOM (Document Object Model)- Learn how to manipulate the DOM (Document Object Model)- handle events -Basic form validation - Learn debugging using developer tools.

UNIT 5: INTRODUCTION TO WEB DEVELOPMENT TOOLS AND FRAMEWORKS 8
Understand version control with Git and GitHub - web development - overview of web development frameworks like Bootstrap - Learn about frontend frameworks - like React or Vue (optional depending on scope) - Learn the basics of deployment using platforms like Netlify or GitHub Pages

Course Outcomes:

The students will be able to
- Create well-structured, semantically correct HTML pages.
- understand about queries and operators
- Use semantic HTML and ARIA roles to improve website accessibility.
- Use Flexbox and CSS Grid to create fluid and flexible layouts.
  Implement HTTPS and SSL/TLS encryption to secure website traffic.

References:

1.HTML and CSS: Design and Build Websites by Jon DuckettEdition: 2nd Edition (2011)

2. Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphicsby Jennifer Niederst Robbins Edition: 5th Edition (2018).
3. Designing with Web Standards" by Jeffrey Zeidman3rd Edition (2009)

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

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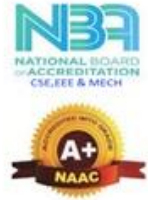
Department of Computer Science and Engineering
Student willing list

Name of the course: WEB ESSENTIALS
Course Code:CS23241

Program Coordinators: Mrs.M.Bharathi, AP/CSE

Academic Year: 2023-2024

SL. NO	REGISTER NO	STUDENT NAME	WILLLING
1.	812421104001	AARTHI M	✓
2.	812421104003	ABDUL AJEES A	✓
3.	812421104004	ABDUL HAMITH N	✓
4.	812421104005	ABDUL RASHEED A	✓
5.	812421104006	AHAMED SYED HAMEED A	✓
6.	812421104007	AMRIN THABASUM S	✓
7.	812421104008	ANBU G K	✓
8.	812421104009	ANEESHA FATHIMA Z	✓
9.	812421104011	ARUMUGAM K	✓
10.	812421104012	ASHKHAR AHAMED J	✓
11.	812421104013	ATCHAYA S	✓
12.	812421104014	AZHAGOVIYAN A	✓
13.	812421104015	BOOBATHI A	✓
14.	812421104016	CHARUMATHI K	✓
15.	812421104017	DEVANANDH R	✓
16.	812421104018	DINESH KUMAR K	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING
17.	812421104019	DURAIMURUGAN G	✓
18.	812421104020	ELAVARASAN R	✓
19.	812421104021	FAISHAL SAHAANA N	✓
20.	812421104023	GAYATHRI K	✓
21.	812421104024	GOKILA B	✓
22.	812421104026	GOVARDAN N A	✓
23.	812421104027	GUHAN R	✓
24.	812421104028	HAJA MOHAIDEEN J	✓
25.	812421104029	HAMEEDHUL ASHIKEEN M	✓
26.	812421104030	HARINI G G	✓
27.	812421104031	HARINI K	✓
28.	812421104032	HAROON RAHMAN J	✓
29.	812421104033	HARRIS J	✓
30.	812421104034	INDHUMATHI A	✓
31.	812421104035	ISMAIL S	✓
32.	812421104036	JANARTHAN R	✓
33.	812421104038	JOSPHIN MARY S	✓
34.	812421104040	KANNAN S	✓
35.	812421104041	KARAN R	✓
36.	812421104043	KATHIRAVAN T	✓
37.	812421104044	KEERTHANA R	✓
38.	812421104045	KISHORE E	✓
39.	812421104046	KOWSIKA S	✓
40.	812421104047	KRUTHIKA ROZHINI K	✓
41.	812421104049	MAHESHWARI R	✓
42.	812421104050	MANIKANDAN V	✓
43.	812421104051	MANIMEGALAI M	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING
44.	812421104052	MEENA S	✓
45.	812421104053	MOHAMED ARSATH S	✓
46.	812421104054	MOHAMED ARSHATH J	✓
47.	812421104055	MOHAMED ASHIK S	✓
48.	812421104056	MOHAMED ASMAL S	✓
49.	812421104057	MOHAMED FOUZI M	✓
50.	812421104059	MOHAMED JAVID M	✓
51.	812421104061	MOHAMED THOUFIC B	✓
52.	812421104062	MOHAMMED HASHIM Z	✓
53.	812421104063	MOHAMMED SHAMEEM M	✓
54.	812421104064	MOHAMMED SUHAIL M	✓
55.	812421104065	MOHANACHANDRAN M	✓
56.	812421104066	MONIKA R	✓
57.	812421104067	MUKIL AKASH S	✓
58.	812421104068	MUKILARASAN P	✓
59.	812421104070	NISHAR AHAMED A	✓
60.	812421104071	NITHARSHAN VS	✓
61.	812421104072	NITHYA HARINI R	✓
62.	812421104073	NOORUL JISRA M	✓
63.	812421104074	NOORUL MOUFICA M	✓
64.	812421104075	PARANTHAGACHOZHAN K	✓
65.	812421104076	PARKAVI P	✓
66.	812421104077	POTRISELVAN I	✓
67.	812421104078	PRATHAP J	✓
68.	812421104079	PRAVEEN KUMAR S	✓
69.	812421104080	PREMKUMAR R	✓
70.	812421104081	PRIYANKA V	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING
71.	812421104082	RAJA RAM P	✓
72.	812421104083	RAMAJAYAM K	✓
73.	812421104084	RANJITHA R	✓
74.	812421104085	RASHEEDA REESHMAN M	✓
75.	812421104086	RINOSIYA BEGUM K	✓
76.	812421104087	SABARIVASAN M	✓
77.	812421104088	SAFRIN SHAHANA A	✓
78.	812421104090	SAMEEHA AFRIN A	✓
79.	812421104091	SANTHOSH N	✓
80.	812421104092	SATHIYA K	✓
81.	812421104093	SATHIYA SHREE R	✓
82.	812421104094	SHAMEEM IMTHEYAS M S	✓
83.	812421104095	SHAMINA D	✓
84.	812421104096	SHANMUGAPRIYA R	✓
85.	812421104097	SHANMUGARAJESHWARA N K	✓
86.	812421104098	SHARANYA J	✓
87.	812421104100	SHUBIKSHA K	✓
88.	812421104101	SIBI J	✓
89.	812421104102	SINDHU S	✓
90.	812421104103	SNEHA L S	✓
91.	812421104104	SOORYAPPRIYA M	✓
92.	812421104105	SRINITHI J	✓
93.	812421104106	SRIRAM C	✓
94.	812421104107	SRI RAM PANDIAN T	✓
95.	812421104108	SUDHARSANAM V	✓
96.	812421104110	SUSMITHA S	✓
97.	812421104111	TAMIL SELVAN K	✓

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
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SL. NO	REGISTER NO	STUDENT NAME	WILLING
98.	812421104112	THOUFEEQ ELAHI A	✓
99.	812421104113	TIMPIL S	✓
100.	812421104114	VAITHEESWARI K	✓
101.	812421104115	VENKATESAN A	✓
102.	812421104116	VENKATESH R	✓
103.	812421104117	VICTOR BENADICT V	✓
104.	812421104118	VIGNESH A	✓
105.	812421104119	VIGNESHWARAN P	✓
106.	812421104120	VIMALRAJ V	✓
107.	812421104121	VINOTHAGAN V	✓
108.	812421104122	VINOTHKANNA V	✓
109.	812421104301	AJAY A	✓
110.	812421104302	ARUNNISHANTH N	✓
111.	812421104304	BAVADHARANI G	✓
112.	812421104305	ELIYAS N	✓
113.	812421104307	PRAVIN S K	✓
114.	812421104308	RANJITH S	✓
115.	812421104309	REVATHI D	✓
116.	812421104310	SANDRA JESSICAH S	✓
117.	812421104311	SRI DHANUSH BALAJI J	✓
118.	812421104312	VIJAY M	✓
119.	812421104701	NIHAL ASFER K	✓
120.	812420104001	ABDUL BASITH ALI M	
121.	812420104002	ABDUL FAYAS N	
122.	812420104003	ABDULKALAM S	
123.	812420104004	ABDULLAH B	
124.	812420104005	ABDUL RAHMAN M	

SL. NO	REGISTER NO	STUDENT NAME	WILLLING
125.	812420104006	ABDUL WAASHIM T	
126.	812420104007	ABU FIRNAS A	
127.	812420104008	AHAMED SAMEER H	
128.	812420104009	AKIL KRISHNAN A	
129.	812420104011	ANAS MOHAMED J	✓
130.	812420104012	ANUDHARSHINI D	✓
131.	812420104013	ARAVINDH M	✓
132.	812420104014	ARUN N	✓
133.	812420104015	ARUNKUMAR E	✓
134.	812420104016	AZARUDEEN S	✓
135.	812420104017	BALAGURU N	
136.	812420104018	BALA KARTHIKEYAN S	
137.	812420104019	BHUVANESHWARI M	
138.	812420104020	DAYANITHI T	
139.	812420104021	DEEPAK P I	
140.	812420104022	DHARNESH R	
141.	812420104023	DHARSHINI K	
142.	812420104024	DINESH KUMAR D	
143.	812420104025	GEETHPRIYAN K	
144.	812420104026	GOBINATH S	
145.	812420104027	GOKUL G	
146.	812420104028	GOMATHI C	
147.	812420104029	GUHAN S	
148.	812420104030	HAJA SHEIK ALLAUDEEN M	
149.	812420104031	HAJEE ALI A	
150.	812420104032	HARIHARASUDHAN K	
151.	812420104033	IJAS AHAMED T	

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPALLI - 620 007.

SL. NO	REGISTER NO	STUDENT NAME	WILLING
152.	812420104034	IMTHIYAS HUG I	
153.	812420104035	JAVIDAKBAR H A	
154.	812420104037	JOHN ZEON E	
155.	812420104038	KARTHIKEYAN J	
156.	812420104039	KARUPPASAMY M	
157.	812420104040	KAVIYA S	
158.	812420104041	KAVIYABHARATHI G	
159.	812420104042	KRISHNASAMY P	
160.	812420104043	LEELAVINOTH D	
161.	812420104044	MADHUBALA S	
162.	812420104047	MOHAMED ALJATH N	
163.	812420104048	MOHAMED ANAS J	
164.	812420104049	MOHAMED ARABATH S	
165.	812420104050	MOHAMED ASARAF S	
166.	812420104051	MOHAMED ASIK B	
167.	812420104052	MOHAMED EJAS M	
168.	812420104053	MOHAMED FAYAZ E	
169.	812420104054	MOHAMED MUHSIN H	
170.	812420104055	MOHAMED NASIF M	
171.	812420104056	MOHAMED RAFEEK M	
172.	812420104057	MOHAMED RAZICK J	
173.	812420104059	MOHAMED SARFUDEEN A	
174.	812420104060	MOHAMED TAWFEEQ S	
175.	812420104061	MOHAMED THASLEEM A	
176.	812420104062	MOHAMED YUNUS K	
177.	812420104063	MOHAN B	
178.	812420104064	MUFTHI MOHAMED M	

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPALLI - 620 007.

SL. NO	REGISTER NO	STUDENT NAME	WILLING
179.	812420104065	MURALI R	
180.	812420104066	NASREEN BANU A	
181.	812420104067	NIRANJAN S	
182.	812420104068	NOORUL SAMIMA A	
183.	812420104069	PAVITHRA S	
184.	812420104070	PREETHI C	
185.	812420104071	PREM SRI DEV M	✓
186.	812420104072	PRIYADHARSHINI R	✓
187.	812420104073	RAHMATHULLAH A	✓
188.	812420104074	RAMYA E	✓
189.	812420104075	RIYASDEEN A	✓
190.	812420104076	RIYAZ AHAMED S	
191.	812420104077	SABARIVASAN N	
192.	812420104078	SAMSON A	
193.	812420104079	SANJAY S	
194.	812420104080	SANJAY V	
195.	812420104081	SANTHOSHKUMAR N	
196.	812420104082	SATHAM HUSSAIN A	
197.	812420104083	SHAIK MOHAMED FAHAD T	
198.	812420104084	SHEIK ABDUL RAJAK M	
199.	812420104085	SHERLY HELEN R	
200.	812420104086	SHIFANA MINAZH S	
201.	812420104087	SHREYA S	
202.	812420104088	SOPHIYA S	
203.	812420104090	SOUNDARYA S	
204.	812420104091	SUBITHA M	
205.	812420104092	SUDARVIZHI S	

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
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13

SL. NO	REGISTER NO	STUDENT NAME	WILLLING
206.	812420104093	SUHAINA R	
207.	812420104094	TEJASHWINI T	
208.	812420104096	VEENA JASMINE R	
209.	812420104097	VENKATESHWARAN E	
210.	812420104098	VISHWANATHAN C	
211.	812420104099	YASAR ARABATH A	
212.	812420104100	YUVARAJ J	
213.	812420104301	ABDUL KALAM J	
214.	812420104303	ANUPRIYA S	
215.	812420104304	DHANISH AHAMED R	
216.	812420104306	HARISHMA K	
217.	812420104309	IYYAPPAN S	
218.	812420104310	JANANI K M	
219.	812420104311	JANA PRASATH B	
220.	812420104312	JEYA PRATHISH M	
221.	812420104313	LOGITHRAJ S	
222.	812420104314	MOHAMED AFRITH I	
223.	812420104315	MOHAMED ANAS K	
224.	812420104316	MOHAMED IRFAN J	
225.	812420104317	MOHAMED JAVITH A	
226.	812420104318	MOHAMED JULPER KHAN M	
227.	812420104320	MOHAN P S	
228.	812420104321	MUTHU MUKILAN P	✓
229.	812420104325	NAZIR AHAMED K	
230.	812420104327	RAGUNATH T	✓
231.	812420104328	REFAN M	
232.	812420104329	SANTHOSH G	✓

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14

SL. NO	REGISTER NO	STUDENT NAME	WILLING
233.	812420104330	SARANMATHI R	
234.	812420104331	SATHIYA PRIYA B	
235.	812420104332	SUDHARSAN M	
236.	812420104334	VINOTHA R	

Course Coordinator (s)

HoD/CSE

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Certificate Program (III Year, IV Year)

Program Schedule

Name of the Course: WEB ESSENTIALS

Course Code:CS23241

Course Coordinator: **Mrs.M.Bharathi, AP/CSE**

Total Hours:40

Academic Year: 2023-2024

Sl.No	Topics to be Covered	Hours	Date of Delivery
UNIT I-INTRODUCTION TO WEB DEVELOPMENT			
1	Overview of web technologies	2	
2	such as HTML, CSS, JavaScript AND web browsers	1	
3	Learn the basic structure webpage and the client-server model	1	07/08/2023
4	Including HTTP/HTTPS Understand tools for web development	2	
5	like code editors, browser developer tools.	2	
UNIT II- HTML BASICS			
6	Learn the structure of HTML documents	2	
7	Essential HTML tags and like links, images, tables, forms, and lists	2	
8	Understand semantic HTML	1	08/08/2023
9	HTML its importance in accessibility - SEO.	2	
UNIT III- CSS FOR WEB DESIGN			

PRINCIPAL
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GUNDUR, TIRUCHIRAPALLI - 620 007.

Sl.No	Topics to be Covered	Hours	Date of Delivery
10	Introduction to CSS and CSS syntax, selectors, properties, and values	2	09/08/2023
11	Learn about layout techniques CSS and like the box model	2	09/08/2023
12	Flexbox and Grid and Understand responsive web design using media queries.	3	
UNIT IV- JAVASCRIPT FUNDAMENTALS			
13	Get introduced to JavaScript, JavaScript including variables data types, and functions.	3	10/08/2023
14	DOM (Document Object Model) andLearnhow to manipulate the DOM (Document Object Model)	3	
15	Handle Events - Basic Form Validation - Learn Debugging Usin Developer Tools.	2	
UNIT V- INTRODUCTION TO WEB DEVELOPMENT TOOLS AND FRAMEWORKS			
16	Understand version control with Git and GitHub - web development	3	11/08/2023
17	overview of web development frameworks like Bootstrap – Learn about frontend frameworks - like React or Vue (optional depending on scope)	3	
18	Learn the basics of deployment using platforms like Netlify or GitHub Pages	2	
Total Hrs		**38 Hrs**	
Test		**2**	**40Hrs**

Course Coordinator

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Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu

Resource Person Details

Title of the program	Web Essentials
Course Code	CS23241
Duration and timing of the program	40 Hrs, 9:00 AM to 5:00 PM
Name of the resource person	Mrs.M.Bharathi
Photo of the resource person	
Email address	bharathi.m@miet.edu
Contact number	+91-7539957590
Designation	Assistant Professor.
Educational qualification	B.Tech IT, M.E(CSE)
Experience	Teaching Experience – 3 Years & 5 Months.

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18

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Resource Person Details

Title of the program	Web Essentials
Course Code	CS23241
Duration and timing of the program	40 Hrs, 9:00 AM to 5:00 PM
Name of the resource person	Mrs.A.Getsyal
Photo of the resource person	
Email address	getsyal@miet.edu
Contact number	+91-9600319023
Designation	Assistant Professor
Educational qualification	B.Tech IT,M.E CSE
Experience	Teaching Experience – 4 Years & 5 Months

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19

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Certificate Course (III Year & IV Year)
Attendance Sheet

Name of the course: WEB ESSENTIALS

Academic Year: 2023-2024

Course code: CS23241

Course coordinator: Mrs.M.Bharathi, AP/CSE

SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
1.	812421104001	AARTHI M	/	/	/	/	/
2.	812421104003	ABDUL AJEES A	/	/	/	/	/
3.	812421104004	ABDUL HAMITH N	/	/	/	/	/
4.	812421104005	ABDUL RASHEED A	/	/	A	/	/
5.	812421104006	AHAMED SYED HAMEED A	/	/	/	/	/
6.	812421104007	AMRIN THABASUM S	/	/	/	/	/
7.	812421104008	ANBU G K	/	/	/	/	/
8.	812421104009	ANEESHA FATHIMA Z	/	/	/	/	/
9.	812421104011	ARUMUGAM K	/	/	/	/	/
10.	812421104012	ASHKHAR AHAMED J	/	/	/	A	A
11.	812421104013	ATCHAYA S	/	/	/	/	/
12.	812421104014	AZHAGOVIYAN A	/	/	/	/	/

1

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SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
13.	812421104015	BOOBATHI A	/	/	/	/	/
14.	812421104016	CHARUMATHI K	/	/	/	/	/
15.	812421104017	DEVANANDH R	/	/	/	A	A
16.	812421104018	DINESH KUMAR K	/	/	/	/	/
17.	812421104019	DURAIMURUGAN G	/	/	/	/	/
18.	812421104020	ELAVARASAN R	/	/	/	/	/
19.	812421104021	FAISHAL SAHAANA N	/	/	/	/	/
20.	812421104023	GAYATHRI K	/	/	/	/	/
21.	812421104024	GOKILA B	/	/	/	/	/
22.	812421104026	GOVARDAN N A	/	/	/	/	/
23.	812421104027	GUHAN R	/	/	/	/	/
24.	812421104028	HAJA MOHAIDEEN J	/	/	/	/	/
25.	812421104029	HAMEEDHUL ASHIKEEN M	/	/	/	/	/
26.	812421104030	HARINI G G	/	/	/	/	/
27.	812421104031	HARINI K	/	/	/	/	/
28.	812421104032	HAROON RAHMAN J	/	/	/	/	/
29.	812421104033	HARRIS J	/	/	/	/	/

2

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21

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SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
30.	812421104034	INDHUMATHI A	/	/	/	/	/
31.	812421104035	ISMAIL S	/	/	/	/	/
32.	812421104036	JANARTHAN R	/	/	/		/
33.	812421104038	JOSPHIN MARY S	/	/	/	/	/
34.	812421104040	KANNAN S	/	/	/	/	/
35.	812421104041	KARAN R	/	/	/	/	/
36.	812421104043	KATHIRAVAN T	/	/	/	/	/
37.	812421104044	KEERTHANA R	/	/	/	/	/
38.	812421104045	KISHORE E	/	/	/		/
39.	812421104046	KOWSIKA S	/	/	/	/	
40.	812421104047	KRUTHIKA ROZHINI K	/	/	/	/	
41.	812421104049	MAHESHWARI R	/	/	/	/	
42.	812421104050	MANIKANDAN V	/	/	/	/	/
43.	812421104051	MANIMEGALAI M	/	/	/	/	/
44.	812421104052	MEENA S	/	/	/	/	/
45.	812421104053	MOHAMED ARSATH S	/	/	/	/	/
46.	812421104054	MOHAMED ARSHATH J	/	/	/	/	/

3

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47.	812421104055	MOHAMED ASHIK S	/	/	/	/	/
48.	812421104056	MOHAMED ASMAL S	/	/	/	/	/
49.	812421104057	MOHAMED FOUZI M	/	A	A	/	/
50.	812421104059	MOHAMED JAVID M	/	/	/	A	A
51.	812421104061	MOHAMED THOUFIC B	/	/	/	/	/
52.	812421104062	MOHAMMED HASHIM Z	/	/	/	/	/
53.	812421104063	MOHAMMED SHAMEEM M	/	/	/	/	/
54.	812421104064	MOHAMMED SUHAIL M	/	A	A	/	/
55.	812421104065	MOHANACHANDRAN M	/	/	/	/	/
56.	812421104066	MONIKA R	/	/	/	/	/
57.	812421104067	MUKIL AKASH S	/	/	/	/	/
58.	812421104068	MUKILARASAN P	/	/	/	/	/
59.	812421104070	NISHAR AHAMED A	/	/	/	/	/
60.	812421104071	NITHARSHAN VS	/	/	/	/	/
61.	812421104072	NITHYA HARINI R	/	/	/	/	/
62.	812421104073	NOORUL JISRA M	/	/	/	/	/
63.	812421104074	NOORUL MOUFICA M	/	/	/	/	/

4

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23

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SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
64.	812421104075	PARANTHAGACHOZHAN K	/	/	/	/	/
65.	812421104076	PARKAVI P	/	/	/	/	/
66.	812421104077	POTRISELVAN I	/	/	/	/	/
67.	812421104078	PRATHAP J	/	/	/	/	/
68.	812421104079	PRAVEEN KUMAR S	/	/	/	/	/
69.	812421104080	PREMKUMAR R	/	/	/	/	/
70.	812421104081	PRIYANKA V	/	/	/	/	/
71.	812421104082	RAJA RAM P	/	/	/	/	/
72.	812421104083	RAMAJAYAM K	/	/	/	/	/
73.	812421104084	RANJITHA R	/	/	/	/	/
74.	812421104085	RASHEEDA REESHMAN M	/	/	/	/	/
75.	812421104086	RINOSIYA BEGUM K	/	/	/	/	/
76.	812421104087	SABARIVASAN M	/	/	/	A	A
77.	812421104088	SAFRIN SHAHANA A	/	/	/	/	/
78.	812421104090	SAMEEHA AFRIN A	/	/	/	/	/
79.	812421104091	SANTHOSH N	/	/	/	/	/
80.	812421104092	SATHIYA K	/	/	/	/	/

5

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SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
81.	812421104093	SATHIYA SHREE R	/	/	/	/	/
82.	812421104094	SHAMEEM IMTHEYAS M S	/	/	A	/	/
83.	812421104095	SHAMINA D	/	/	/	/	/
84.	812421104096	SHANMUGAPRIYA R	/	/	/	A	/
85.	812421104097	SHANMUGARAJESHWARA N K	/	/	/	/	/
86.	812421104098	SHARANYA J	/	/	/	/	/
87.	812421104100	SHUBIKSHA K	/	/	/	/	/
88.	812421104101	SIBI J	/	/	/	A	A
89.	812421104102	SINDHU S	/	/	/	/	/
90.	812421104103	SNEHA L S	/	/	/	/	/
91.	812421104104	SOORYAPPRIYA M	/	/	/	/	/
92.	812421104105	SRINITHI J	/	/	/	/	/
93.	812421104106	SRIRAM C	/	/	/	/	/
94.	812421104107	SRI RAM PANDIAN T	/	/	/	/	/
95.	812421104108	SUDHARSANAM V	/	/	/	/	/
96.	812421104110	SUSMITHA S	/	/	/	/	/
97.	812421104111	TAMIL SELVAN K	/	/	/	/	/

6

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SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
98.	812421104112	THOUFEEQ ELAHI A	A	A	/	/	/
99.	812421104113	TIMPIL S	/	/	/	/	/
100	812421104114	VAITHEESWARI K	/	/	/	/	/
101	812421104115	VENKATESAN A	/	/	/	/	/
102	812421104116	VENKATESH R	/	/	/	/	/
103	812421104117	VICTOR BENADICT V	/	/	/	/	/
104	812421104118	VIGNESH A	/	/	/	/	/
105	812421104119	VIGNESHWARAN P	/	/	/	/	/
106	812421104120	VIMALRAJ V	/	A	/	/	/
107	812421104121	VINOTHAGAN V	/	/	/	/	/
108	812421104122	VINOTHKANNA V	/	/	/	/	/
109	812421104301	AJAY A	/	/	/	/	/
110	812421104302	ARUNNISHANTH N	/	A	/	/	/
111	812421104304	BAVADHARANI G	/	/	/	/	/
112	812421104305	ELIYAS N	/	/	/	/	/
113	812421104307	PRAVIN S K	/	/	/	/	A
114	812421104308	RANJITH S	/	/	/	/	/

7

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26

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115	812421104309	REVATHI D	A	A	/	/	/
116	812421104310	SANDRA JESSICAH S	/	A	/	/	/
117	812421104311	SRI DHANUSH BALAJI J	/	/	/	/	/
118	812421104312	VIJAY M	/	/	/	/	/
119	812421104701	NIHAL ASFER K	/	/	A	/	/
120	812420104011	ANAS MOHAMED J	/	/	/	/	/
121	812420104012	ANUDHARSHINI D	/	/	/	/	/
122	812420104013	ARAVINDH M	/	A	/	/	/
123	812420104014	ARUN N	/	/	/	A	/
124	812420104015	ARUNKUMAR E	/	/	/	/	/
125	812420104016	AZARUDEEN S	/	/	/	/	/
126	812420104071	PREM SRI DEV M	/	A	/	/	A
127	812420104072	PRIYADHARSHINI R	/	/	/	/	/
128	812420104073	RAHMATHULLAH A	/	/	/	/	/
129	812420104074	RAMYA E	A	/	/	A	/
130	812420104075	RIYASDEEN A	/	/	/	/	/
131	812420104321	MUTHU MUKILAN P	/	/	/	/	/

8

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27

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| SL. NO	Register NO	STUDENT NAME	07/08/2023	08/08/2023	09/08/2023	10/08/2023	11/08/2023
132	812420104327	RAGUNATH T	/	/	/	/	/
133	812420104329	SANTHOSH G	/	/	/	/	/

Course Coordinators

HoD/CSE

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9

28

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Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu
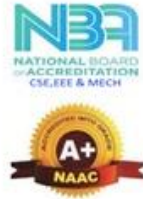
Certificate Program Assessment Test

Name of the course : WEB ESSENTIALS   Date   : 11-08-2023

Course Code   : CS23241   Time   : 1:00 hr

Academic Year   : 2023-2024   Total Marks: 100

Part-A (1 x 60 =60)

1. **HTML** stands for _____.

2. **CSS** is used to define the _____ of a web page.

3. The programming language used for creating interactive web elements is _____.

4. The process of improving a website's visibility in search engine results is called _____.

5. A popular front-end framework for creating responsive web designs is _____.

6. The version control system used to manage code changes is called _____.

7. A system used to manage and display content on a website is called a _____.

8. A website that adapts to various screen sizes is referred to as _____.

9. The data-interchange format that uses JavaScript Object Notation is _____.

10. An interface that allows communication between software applications is an _____.

11. _____ allows web pages to be updated asynchronously by exchanging small amounts of data with the server behind the scenes.

12. The interface that allows JavaScript to manipulate HTML elements is the _____.

13. A lightweight JavaScript library used for simplifying client-side scripting is _____.

14. The secure version of HTTP is _____.

15. The tag used in HTML to provide metadata about a web page is the _____ tag.

16. _____ is the practice of designing websites to be usable by people with disabilities.

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17. A CSS layout model for creating flexible, one-dimensional layouts is _____.

18. A CSS layout system that enables two-dimensional layout is _____.

19. The real-time communication protocol used to create interactive web applications is _____.

20. The unique address used to locate resources on the web is called a _____.

21. The abbreviation AMP stands for _____.

22. The HTML attribute used to describe an image for accessibility is _____.

23. The technique of storing data temporarily to improve performance is called _____.

24. A digital certificate used to secure communication over the web is _____.

25. The term used to describe practices to improve website speed and performance is _____.

26. The practice of reducing file sizes to improve website speed is called _____.

27. The process of loading images only when they are needed is called _____.

28. A runtime environment for executing JavaScript on the server-side is _____.

29. A database management system used to store data in a relational format is _____.

30. A tool that allows websites to be tested and optimized for performance is _____.

31. The abbreviation WCAG stands for _____.

32. A collection of pre-written CSS and JavaScript that makes web development easier is called a _____.

33. The _____ file is used to manage robots that access a website.

34. A file used to store key-value pairs of data on the client-side is a _____.

35. NoSQL stands for not any SQL. True or False?

36. The layout method that allows elements to be aligned using rows and columns in CSS is _____.

37. A _____ is a protocol used to transfer files from one host to another over the internet.

38. The small image displayed in the browser tab representing the website is called a _____.

39. The process of ensuring that websites work correctly on different browsers is called _____.

40. A tool used to compress image files for faster page loading is a _____.

41. A programming language that is commonly used to style websites is _____.

42. A preprocessor used to extend CSS with features like variables and mixins is _____.

43. The _____ attribute in HTML defines the URL of a linked document.

44. The abbreviation CDN stands for _____.

45. A system used to serve static content from the server to improve load times is a _____.

46. _____ is a method of making websites mobile-friendly by creating smaller, optimized versions of web pages.

47. The process of creating user-friendly websites is referred to as _____.

48. The abbreviation PWA stands for _____.

49. A special set of instructions that allows a program to interact with a web page is called a _____.

50. A device used for organizing and prioritizing web content in an ordered list is a _____.

51. A protocol that is used to securely encrypt and protect data transferred between client and server is _____.

52. The _____ element in HTML defines the main content of a webpage.

53. _____ is a shorthand CSS property used to set the margin and padding of elements.

54. The website tool that provides insights into visitor behavior and performance is _____.

55. A _____ is an HTML tag used to define a division or section of a web page.

56. The HTML tag that is used to create hyperlinks is the _____ tag.

57. A visual representation of a page layout or interface is called a _____.

58. A method of handling errors in JavaScript by catching and managing them is called _____.

59. The abbreviation CMS stands for _____.

60. A collection of files used to store and present a website's content is called a _____.

Part-B (2 x 20 =40)

1. Explain the role and importance of HTML in web development.

2. Discuss the significance of CSS in web design and its role in responsive web design

Course Coordinator   **HoD/CSE**

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REPORT

Name of the course   : **WEB ESSENTIALS**

Course Code   : **CS23241**

Course Coordinator(s)   : **Mrs.M.Bharathi, AP/CSE**

Total Hours: 40   **Academic Year: 2023-2024**

I hereby affirm that the entire course contents listed in the course syllabus of the certificate program **"WEB ESSENTIALS"** have educated to the students as the part of the prescribed co– curricular activities through certificate program. They have been given the basic concepts of **WEB ESSENTIALS** and students clearly understood the major portions.

I confirmed that the certificate program titled as **"WEB ESSENTIALS"** 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.

Course Coordinator (s)   **HoD/CSE**   **Principal**

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32

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Course Completion Certificate

This is to Certify that Mr/Ms. _Aneesha Fathima Z_

of _III - Year_ has Completed the Course on

Web Essentials from _7/8/2023_ to _11/8/2023_

Course Coordinator   **Hod**   **Principal**

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33

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Course Completion Certificate

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This is to Certify that Mr/Ms. _Santhosh G_

of _IV - Year_ has Completed the Course on

Web Essentials from _7/8/2023_ to _11/8/2023_

Course Coordinator   Hod   Principal

34

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Date: 13.03.2024

To

The Principal,

M.I.E.T Engineering College,

Trichy – 620007

Respected Sir,

Sub: Permission to conduct a certificate program – Reg.

We have planned to conduct a certificate program for our final year students of Computer Science and Engineering from **18.03.2024** to **22.03.2024**.

Name of the Certificate Program	Course Coordinators
CLOUD COMPUTING	**A.Getsyal, AP/CSE**

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

Thanking you.

**Course Coordinator(s)**   **HoD/CSE**   **Principal**

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35

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Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu
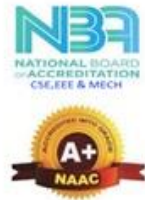
14-03-2024

CIRCULAR

Sub: Certificate Program

It is planned to conduct a Certificate Program for final year students of Computer Science and Engineering

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 names to the course coordinator.

Name of the Certificate Program	Course Coordinators
CLOUD COMPUTING	**Mrs.A.Getsyal, AP/CSE**
Commencement of course from 18.03.2023 to 22.03.2024. **Time: 9.30 AM – 5.00 PM**	

Course Coordinator (s)   **HoD/CSE**   **Principal**

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36

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Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu

Certificate Program (IV Year)

Course Syllabus

Name of the course: CLOUD COMPUTING

Course Code: CS23242

Course Coordinator: Mrs.A.Getsyal, AP/CSE

Academic Year: 2023-2024   **Total Hours:** 40

Objectives: The students will be able to
- o   To define Cloud Computing
- o   To provide an in-depth and comprehensive knowledge of the Cloud Computing fundamental issues, technologies, applications and implementations.
- o   To expose the students to the frontier areas of Cloud Computing
- o   To motivate students to do programming and experiment with the various cloud computing environments
- o   To shed light on the Security issues in Cloud Computing
- o   To introduce about the Cloud Standards

UNIT I- CENTRALIZED AND DISTRIBUTED COMPUTING   8

History of Centralized and Distributed Computing - Overview of Distributed Computing, Cluster computing, Grid computing. Technologies for Network based systems- System models for Distributed and cloud computing- Software environments for distributed systems and clouds.

UNIT II- INTRODUCTION TO CLOUD COMPUTING   8

Introduction to Cloud Computing- Cloud issues and challenges - Properties - Characteristics - Service models, Deployment models. Cloud resources: Network and API - Virtual and Physical computational resources - Data-storage. Virtualization concepts - Types of Virtualization- Introduction to Various Hypervisors - High Availability (HA)/Disaster Recovery (DR) using Virtualization, Moving VMs .

UNIT III- RESOURCE VIRTUALIZATION   8

Service models - Infrastructure as a Service (IaaS) - Resource Virtualization: Server, Storage, Network - Case studies. Platform as a Service (PaaS) - Cloud platform & Management: Computation, Storage - Case studies. Software as a Service (SaaS) - Web services - Web 2.0 - Web OS - Case studies – Anything as a service (XaaS).

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UNIT IV- CLOUD PROGRAMMING AND SOFTWARE ENVIRONMENTS   **8**

Cloud Programming and Software Environments – Parallel and Distributed Programming paradigms – Programming on Amazon AWS and Microsoft Azure – Programming support of Google App Engine – Emerging Cloud software Environment.

UNIT V- CLOUD ACCESS   **8**

Cloud Access: authentication, authorization and accounting - Cloud Provenance and meta-data - Cloud Reliability and fault-tolerance - Cloud Security, privacy, policy and compliance- Cloud federation, interoperability and standards.

Course Outcomes:
The students will be able to
- o Articulate the main concepts, key technologies, strengths, and limitations of cloud computing and the possible applications for state-of-the-art cloud computing
- o Identify the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc.
- o Explain the core issues of cloud computing such as security, privacy, and interoperability.
- o Provide the appropriate cloud computing solutions and recommendations according to the applications used.
- o Collaboratively research and write a research paper, and present the research online.

References:

1. Barrie Sosinsky, " Cloud Computing Bible" John Wiley & Sons, 2010

2. Tim Mather, Subra Kumaraswamy, And Shahed Latif, Cloud Security And Privacy An Enterprise Perspective On Risks And Compliance, O'reilly 2009

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

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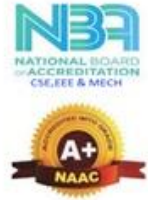
Student willing list

Program Coordinator: Mrs.A.Getsyal, AP/CSE

Academic Year: 2023-2024

SL. NO	REGISTER NO	STUDENT NAME	WILLING LIST
1.	812420104001	ABDUL BASITH ALI M	✓
2.	812420104002	ABDUL FAYAS N	✓
3.	812420104003	ABDULKALAM S	✓
4.	812420104004	ABDULLAH B	✓
5.	812420104005	ABDUL RAHMAN M	✓
6.	812420104006	ABDUL WAASHIM T	✓
7.	812420104007	ABU FIRNAS A	✓
8.	812420104008	AHAMED SAMEER H	✓
9.	812420104009	AKIL KRISHNAN A	✓
10.	812420104011	ANAS MOHAMED J	✓
11.	812420104012	ANUDHARSHINI D	✓
12.	812420104013	ARAVINDH M	✓
13.	812420104014	ARUN N	✓
14.	812420104015	ARUNKUMAR E	✓
15.	812420104016	AZARUDEEN S	✓
16.	812420104017	BALAGURU N	✓
17.	812420104018	BALA KARTHIKEYAN S	✓
18.	812420104019	BHUVANESHWARI M	✓
19.	812420104020	DAYANITHI T	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING LIST
20.	812420104021	DEEPAK P I	✓
21.	812420104022	DHARNESH R	✓
22.	812420104023	DHARSHINI K	✓
23.	812420104024	DINESH KUMAR D	✓
24.	812420104025	GEETHPRIYAN K	✓
25.	812420104026	GOBINATH S	✓
26.	812420104027	GOKUL G	✓
27.	812420104028	GOMATHI C	✓
28.	812420104029	GUHAN S	✓
29.	812420104030	HAJA SHEIK ALLAUDEEN M	✓
30.	812420104031	HAJEE ALI A	✓
31.	812420104032	HARIHARASUDHAN K	✓
32.	812420104033	IJAS AHAMED T	✓
33.	812420104034	IMTHIYAS HUG I	✓
34.	812420104035	JAVIDAKBAR H A	✓
35.	812420104037	JOHN ZEON E	✓
36.	812420104038	KARTHIKEYAN J	✓
37.	812420104039	KARUPPASAMY M	✓
38.	812420104040	KAVIYA S	✓
39.	812420104041	KAVIYABHARATHI G	✓
40.	812420104042	KRISHNASAMY P	✓
41.	812420104043	LEELAVINOTH D	✓
42.	812420104044	MADHUBALA S	✓
43.	812420104047	MOHAMED ALJATH N	✓
44.	812420104048	MOHAMED ANAS J	✓
45.	812420104049	MOHAMED ARABATH S	✓
46.	812420104050	MOHAMED ASARAF S	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING LIST
47.	812420104051	MOHAMED ASIK B	✓
48.	812420104052	MOHAMED EJAS M	✓
49.	812420104053	MOHAMED FAYAZ E	✓
50.	812420104054	MOHAMED MUHSIN H	✓
51.	812420104055	MOHAMED NASIF M	✓
52.	812420104056	MOHAMED RAFEEK M	✓
53.	812420104057	MOHAMED RAZICK J	✓
54.	812420104059	MOHAMED SARFUDEEN A	✓
55.	812420104060	MOHAMED TAWFEEQ S	✓
56.	812420104061	MOHAMED THASLEEM A	✓
57.	812420104062	MOHAMED YUNUS K	✓
58.	812420104063	MOHAN B	✓
59.	812420104064	MUFTHI MOHAMED M	✓
60.	812420104065	MURALI R	✓
61.	812420104066	NASREEN BANU A	✓
62.	812420104067	NIRANJAN S	✓
63.	812420104068	NOORUL SAMIMA A	✓
64.	812420104069	PAVITHRA S	✓
65.	812420104070	PREETHI C	✓
66.	812420104071	PREM SRI DEV M	✓
67.	812420104072	PRIYADHARSHINI R	✓
68.	812420104073	RAHMATHULLAH A	✓
69.	812420104074	RAMYA E	✓
70.	812420104075	RIYASDEEN A	✓
71.	812420104076	RIYAZ AHAMED S	✓
72.	812420104077	SABARIVASAN N	✓
73.	812420104078	SAMSON A	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING LIST
74.	812420104079	SANJAY S	✓
75.	812420104080	SANJAY V	✓
76.	812420104081	SANTHOSHKUMAR N	✓
77.	812420104082	SATHAM HUSSAIN A	✓
78.	812420104083	SHAIK MOHAMED FAHAD T	✓
79.	812420104084	SHEIK ABDUL RAJAK M	✓
80.	812420104085	SHERLY HELEN R	✓
81.	812420104086	SHIFANA MINAZH S	✓
82.	812420104087	SHREYA S	✓
83.	812420104088	SOPHIYA S	✓
84.	812420104090	SOUNDARYA S	✓
85.	812420104091	SUBITHA M	✓
86.	812420104092	SUDARVIZHI S	✓
87.	812420104093	SUHAINA R	✓
88.	812420104094	TEJASHWINI T	✓
89.	812420104096	VEENA JASMINE R	✓
90.	812420104097	VENKATESHWARAN E	✓
91.	812420104098	VISHWANATHAN C	✓
92.	812420104099	YASAR ARABATH A	✓
93.	812420104100	YUVARAJ J	✓
94.	812420104301	ABDUL KALAM J	✓
95.	812420104303	ANUPRIYA S	✓
96.	812420104304	DHANISH AHAMED R	✓
97.	812420104306	HARISHMA K	✓
98.	812420104309	IYYAPPAN S	✓
99.	812420104310	JANANI K M	✓
100.	812420104311	JANA PRASATH B	✓

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SL. NO	REGISTER NO	STUDENT NAME	WILLING LIST
101.	812420104312	JEYA PRATHISH M	✓
102.	812420104313	LOGITHRAJ S	✓
103.	812420104314	MOHAMED AFRITH I	✓
104.	812420104315	MOHAMED ANAS K	✓
105.	812420104316	MOHAMED IRFAN J	✓
106.	812420104317	MOHAMED JAVITH A	✓
107.	812420104318	MOHAMED JULPER KHAN M	✓
108.	812420104320	MOHAN P S	✓
109.	812420104321	MUTHU MUKILAN P	✓
110.	812420104325	NAZIR AHAMED K	✓
111.	812420104327	RAGUNATH T	✓
112.	812420104328	REFAN M	✓
113.	812420104329	SANTHOSH G	✓
114.	812420104330	SARANMATHI R	✓
115.	812420104331	SATHIYA PRIYA B	✓
116.	812420104332	SUDHARSAN M	✓
117.	812420104334	VINOTHA R	✓

Course Coordinator (s)

HoD/CSE

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Certificate Program (IV Year)

Program Schedule

Name of the Course: CLOUD COMPUTING

Course Code: CS23242

Course Coordinator: **Mrs.A.Getsyal, AP/CSE**

Total Hours: 40

Academic Year: 2023-2024

Sl.No	Topics to be Covered	Hours	Date of Delivery
UNIT I- CENTRALIZED AND DISTRIBUTED COMPUTING			
1	History of Centralized and Distributed Computing -	2	
2	Overview of Distributed Computing	1	
3	Cluster computing, Grid computing. Technologies for Network based systems	1	18/03/2024
4	System models for Distributed and cloud computing	1	
5	Software environments for distributed systems and clouds	2	
UNIT II- INTRODUCTION TO CLOUD COMPUTING			
6	Introduction to Cloud Computing Cloud issues and challenges, Properties Characteristics, Service models	2	
7	Deployment models. Cloud resources: Network and API	1	19/03/2024
8	Virtual and Physical computational resources - Data-storage	2	
9	Virtualization concepts, Types of Virtualization, Introduction to Various Hypervisors.	1	

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Sl.No	Topics to be Covered	Hours	Date of Delivery
10	High Availability (HA)/Disaster Recovery (DR) using Virtualization, Moving VMs .	2	
UNIT III- RESOURCE VIRTUALIZATION			
10	Service models - Infrastructure as a Service (IaaS)	1	20/03/2024
11	Resource Virtualization: Server, Storage, Network - Case studies.	1	
12	Platform as a Service (PaaS) - Cloud platform & Management.	2	
13	Computation, Storage - Case studies. Software as a Service (SaaS) Web services.	2	
14	Web 2.0 - Web OS - Case studies – Anything as a service (XaaS).	2	
UNIT IV- CLOUD PROGRAMMING AND SOFTWARE ENVIRONMENTS			
13	Cloud Programming and Software Environments	2	21/03/2024
14	Parallel and Distributed Programming paradigms – Programming on Amazon AWS and Microsoft Azure	2	
15	Programming support of Google App Engine – Emerging Cloud software Environment.	2	
UNIT V- CLOUD ACCESS			
16	Cloud Access: authentication, authorization and accounting Cloud Provenance and meta-data	2	22/03/2024
17	Cloud Reliability and fault-tolerance	3	
18	Cloud Security, privacy, policy and compliance- Cloud federation interoperability and standards.	2	
Total Hrs			**38 Hrs**
Test		**2**	**40 Hrs**

Course Coordinator

HoD/CSE

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Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu

Resource Person Details

Title of the program	Cloud Computing
Course Code	CS23242
Duration and timing of the program	40 Hrs, 9:00 AM to 5:00 PM
Name of the resource person	Mrs.A.Getsyal
Photo of the resource person	
Email address	getsyal@miet.edu
Contact number	+91-9600319023
Designation	Assistant Professor
Educational qualification	B.Tech IT,M.E CSE
Experience	Teaching Experience – 5 Years.

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Resource Person Details

Title of the program	Cloud Computing
Course Code	CS23242
Duration and timing of the program	40 Hrs, 9:00 AM to 5:00 PM
Name of the resource person	Mrs.M.Bharathi
Photo of the resource person	
Email address	bharathi.m@miet.edu
Contact number	+91-7539957590
Designation	Assistant Professor.
Educational qualification	B.Tech IT, M.E(CSE)
Experience	Teaching Experience – 4 Years.

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Certificate Course (IV Year)
Attendance Sheet

Name of the course: CLOUD COMPUTING

Academic Year: 2023-2024

Course code: CS23242

Course coordinator: Mrs.A.Getsyal, AP/CSE

SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
1.	812420104001	ABDUL BASITH ALI M	/	/	/	/	A
2.	812420104002	ABDUL FAYAS N	/	/	/	/	/
3.	812420104003	ABDULKALAM S	/	/	/	A	/
4.	812420104004	ABDULLAH B	/	/	/	A	A
5.	812420104005	ABDUL RAHMAN M	/	/	/	/	A
6.	812420104006	ABDUL WAASHIM T	/	/	/	/	/
7.	812420104007	ABU FIRNAS A	/	/	/	/	/
8.	812420104008	AHAMED SAMEER H	/	/	/	/	/
9.	812420104009	AKIL KRISHNAN A	/	/	/	/	/
10.	812420104011	ANAS MOHAMED J	/	/	/	/	/
11.	812420104012	ANUDHARSHINI D	/	/	/	/	/
12.	812420104013	ARAVINDH M	/	/	/	/	/
13.	812420104014	ARUN N	/	/	/	/	A

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Trichy - Pudukkottai Road, Tiruchirappalli - 620 007, Phone:0431-2660 303
Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu

SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
14.	812420104015	ARUNKUMAR E	/	/	/	/	/
15.	812420104016	AZARUDEEN S	/	/	/	/	/
16.	812420104017	BALAGURU N	/	/	/	/	/
17.	812420104018	BALA KARTHIKEYAN S	/	/	/	/	/
18.	812420104019	BHUVANESHWARI M	/	/	/	/	/
19.	812420104020	DAYANITHI T	/	/	A	/	/
20.	812420104021	DEEPAK P I	/	/	A	/	/
21.	812420104022	DHARNESH R	/	/	/	/	/
22.	812420104023	DHARSHINI K	/	/	/	A	/
23.	812420104024	DINESH KUMAR D	/	/	/	/	/
24.	812420104025	GEETHPRIYAN K	/	/	A	/	/
25.	812420104026	GOBINATH S	/	/	/	/	/
26.	812420104027	GOKUL G	/	/	/	A	/
27.	812420104028	GOMATHI C	/	/	/	/	/
28.	812420104029	GUHAN S	/	/	/	/	/
29.	812420104030	HAJA SHEIK ALLAUDEEN M	/	/	A	/	A
30.	812420104031	HAJEE ALI A	/	/	/	/	/

2

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SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
31.	812420104032	HARIHARASUDHAN K	A	/	/	/	/
32.	812420104033	IJAS AHAMED T	/	/	/	/	/
33.	812420104034	IMTHIYAS HUG I	/	A	/	/	/
34.	812420104035	JAVIDAKBAR H A	/	/	/	/	/
35.	812420104037	JOHN ZEON E	/	/	/	/	/
36.	812420104038	KARTHIKEYAN J	A	/	/	/	/
37.	812420104039	KARUPPASAMY M	/	/	/	/	/
38.	812420104040	KAVIYA S	/	/	A	/	/
39.	812420104041	KAVIYABHARATHI G	/	/	/	/	/
40.	812420104042	KRISHNASAMY P	/	/	/	/	/
41.	812420104043	LEELAVINOTH D	/	/	/	A	/
42.	812420104044	MADHUBALA S	/	/	/	/	/
43.	812420104047	MOHAMED ALJATH N	/	/	/	/	A
44.	812420104048	MOHAMED ANAS J	/	/	/	/	/
45.	812420104049	MOHAMED ARABATH S	/	A	/	/	/
46.	812420104050	MOHAMED ASARAF S	/	/	/	/	A
47.	812420104051	MOHAMED ASIK B	/	/	/	/	/

3

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A+
NAAC

SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
48.	812420104052	MOHAMED EJAS M	/	/	/	/	/
49.	812420104053	MOHAMED FAYAZ E	/	/	A	A	/
50.	812420104054	MOHAMED MUHSIN H	A	/	/	/	/
51.	812420104055	MOHAMED NASIF M	/	/	/	/	/
52.	812420104056	MOHAMED RAFEEK M	/	A	/	/	/
53.	812420104057	MOHAMED RAZICK J	/	/	/	/	/
54.	812420104059	MOHAMED SARFUDEEN A	/	/	/	/	/
55.	812420104060	MOHAMED TAWFEEQ S	/	/	/	/	/
56.	812420104061	MOHAMED THASLEEM A	/	A	/	/	/
57.	812420104062	MOHAMED YUNUS K	/	/	/	/	/
58.	812420104063	MOHAN B	/	/	A	/	/
59.	812420104064	MUFTHI MOHAMED M	A	/	/	/	/
60.	812420104065	MURALI R	/	/	/	/	/
61.	812420104066	NASREEN BANU A	/	/	/	/	/
62.	812420104067	NIRANJAN S	/	/	A	/	/
63.	812420104068	NOORUL SAMIMA A	/	/	/	/	A
64.	812420104069	PAVITHRA S	/	/	/	/	/

4

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51

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SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
65.	812420104070	PREETHI C	A	/	/	/	/
66.	812420104071	PREM SRI DEV M	/	/	/	/	/
67.	812420104072	PRIYADHARSHINI R	/	A	/	/	A
68.	812420104073	RAHMATHULLAH A	/	/	/	/	/
69.	812420104074	RAMYA E	/	/	A	/	/
70.	812420104075	RIYASDEEN A	/	/	/	/	/
71.	812420104076	RIYAZ AHAMED S	/	/	/	/	A
72.	812420104077	SABARIVASAN N	A	/	/	A	/
73.	812420104078	SAMSON A	/	/	/	/	/
74.	812420104079	SANJAY S	/	/	/	/	/
75.	812420104080	SANJAY V	/	/	/	/	/
76.	812420104081	SANTHOSHKUMAR N	/	/	/	A	/
77.	812420104082	SATHAM HUSSAIN A	A	/	/	/	/
78.	812420104083	SHAIK MOHAMED FAHAD T	/	/	/	/	/
79.	812420104084	SHEIK ABDUL RAJAK M	/	/	/	A	/
80.	812420104085	SHERLY HELEN R	/	/	/	/	A
81.	812420104086	SHIFANA MINAZH S	/	/	/	/	/

5

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SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
82.	812420104087	SHREYA S	/	/	/	/	/
83.	812420104088	SOPHIYA S	A	/	A	/	/
84.	812420104090	SOUNDARYA S	/	/	/	/	/
85.	812420104091	SUBITHA M	/	A	/	/	/
86.	812420104092	SUDARVIZHI S	/	/	/	/	/
87.	812420104093	SUHAINA R	/	/	A	7	/
88.	812420104094	TEJASHWINI T	/	/	/	/	/
89.	812420104096	VEENA JASMINE R	/	/	/	/	/
90.	812420104097	VENKATESHWARAN E	/	/	/	A	/
91.	812420104098	VISHWANATHAN C	/	/	/	/	/
92.	812420104099	YASAR ARABATH A	/	/	A	/	A
93.	812420104100	YUVARAJ J	/	/	/	/	/
94.	812420104301	ABDUL KALAM J	/	/	/	/	/
95.	812420104303	ANUPRIYA S	/	/	A	/	/
96.	812420104304	DHANISH AHAMED R	/	/	/	/	A
97.	812420104306	HARISHMA K	/	/	/	/	/
98.	812420104309	IYYAPPAN S	/	/	/	/	A

6

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53

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SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
99.	812420104310	JANANI K M	A	/	/	/	/
100	812420104311	JANA PRASATH B	/	/	/	/	/
101	812420104312	JEYA PRATHISH M	/	A	/	/	/
102	812420104313	LOGITHRAJ S	/	/	/	/	/
103	812420104314	MOHAMED AFRITH I	/	/	/	/	/
104	812420104315	MOHAMED ANAS K	/	/	A	/	/
105	812420104316	MOHAMED IRFAN J	/	/	/	/	/
106	812420104317	MOHAMED JAVITH A	/	A	/	A	/
107	812420104318	MOHAMED JULPER KHAN M	/	/	/	/	/
108	812420104320	MOHAN P S	/	/	/	/	/
109	812420104321	MUTHU MUKILAN P	/	/	/	/	/
110	812420104325	NAZIR AHAMED K	/	/	A	/	A
111	812420104327	RAGUNATH T	/	/	/	/	/
112	812420104328	REFAN M	/	/	/	/	/
113	812420104329	SANTHOSH G	/	/	/	/	/
114	812420104330	SARANMATHI R	/	A	/	A	/
115	812420104331	SATHIYA PRIYA B	/	/	/	/	/

7

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SL. NO	Register NO	STUDENT NAME	18/03/2024	19/03/2024	20/03/2024	21/03/2024	22/03/2024
116	812420104332	SUDHARSAN M	A	/	/	/	/
117	812420104334	VINOTHA R	/	/	/	/	/

Course Coordinators

HoD/CSE

8

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Certificate Program Assessment Test

Name of the course: CLOUD COMPUTING   **Date: 22-03-2024**

Course Code: CS23242   **Time: 1:00 hr**

Academic Year: 2023-2024   **Total Marks: 100**

Part-A (1 x 60 =60)

1. _____ refers to delivering computing services over the internet.

2. _____ is a cloud service model that provides virtualized computing resources over the internet.

3. _____ is a cloud service model where applications are delivered over the internet.

4. _____ is a technology that allows multiple virtual machines to run on a single physical server.

5. _____ refers to the practice of creating backups to ensure data recovery in case of failure.

6. _____ refers to cloud infrastructure that is shared by multiple users but isolated from each other.

7. _____ refers to the practice of running software and services in virtual containers.

8. _____ refers to the practice of creating backups to ensure data recovery in case of failure.

9. _____ refers to a cloud environment accessible only to a single organization.

10. _____ is the cloud computing model that combines both private and public clouds.

11. _____ refers to the concept of managing resources automatically based on workload requirements.

12. _____ refers to ensuring that a cloud service is always available and operational.

13. _____ is the process of securing cloud data through encryption.

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56

14. _____ is a cloud-based approach where developers do not need to manage servers.

15. _____ refers to computing done at the location closest to the data source, rather than a central data center.

16. _____ refers to software that allows interaction between cloud services and external systems.

17. _____ refers to a cloud platform that provides virtual servers and storage resources.

18. _____ refers to an agreement between a service provider and a customer specifying the level of service.

19. _____ refers to a cloud platform that automatically manages and schedules the deployment of containers.

20. _____ is the process of ensuring that cloud services meet regulatory requirements.

21. _____ refers to a system designed to function even when some of its components fail.

22. _____ is a cloud architecture style where applications are divided into small, independent services.

23. _____ is a service provided by cloud providers to store large volumes of data.

24. _____ refers to the storage of data in a centralized cloud service, accessible via the internet.

25. _____ refers to a cloud resource that provides users with scalable computing capacity.

26. _____ refers to a cloud-based virtual network within a public cloud.

27. _____ is the process of testing a cloud system under high load conditions to measure its performance.

28. _____ is the process of testing a cloud system under high load conditions to measure its performance.

29. _____ refers to the service used to allow users to access internet resources using a common identification protocol.

30. _____ is a method of data transmission speed, typically measured in bits per second.

31. _____ is a cloud computing term that ensures the replication of data to avoid data loss.

32. _____ refers to a virtual server that runs in a cloud environment.

33. _____ refers to cloud services where the user does not need to manage the infrastructure or platform.

34. _____ is the term used for the ability to recover a system or data after a disaster.

35. _____ refers to the maximum rate at which data can be transferred across a network.

36. _____ refers to the process of identifying and solving security vulnerabilities in cloud applications.

37. _____ is a network of remote servers used for processing and storing data instead of local servers.

38. _____ is a cloud storage service provided by Amazon Web Services.

39. _____ is a cloud service that allows developers to run code without managing servers.

40. _____ is the practice of integrating security into the development process.

41. _____ refers to software that isolates multiple users' data in a shared cloud environment.

42. _____ refers to a standardized tool for managing containers and containerized applications.

43. _____ refers to a distributed ledger system used to store data in a decentralized manner.

44. _____ is a cloud service model where hardware and software infrastructure are provided over the internet.

45. _____ is the cloud computing approach of running applications in virtual machines.

46. _____ is a process that ensures compliance with industry standards and regulations in the cloud.

47. _____ is the term for a cloud-based resource used to automatically adjust the number of running servers.

48. _____ refers to ensuring that the cloud service works at all times and is resilient to failures.

49. _____ refers to the infrastructure needed to power cloud computing, such as data centers and networking.

50. _____ is the term used for a computing architecture that handles a large number of distributed tasks.

51. _____ is the cloud computing model where data is processed closer to the source.

52. _____ is a cloud service used to provide scalable computing resources.

53. _____ refers to an arrangement where cloud resources are offered as needed.

54. _____ is a cloud storage service offered by Google Cloud Platform.

55. _____ refers to technology that allows multiple systems to collaborate efficiently in a cloud environment.

56. _____ refers to the need for adequate security measures for cloud infrastructure.

57. _____ refers to the method of managing and monitoring cloud resources across various platforms.

58. A visual representation of a page layout or interface is called a _____.

59. _____ is a cloud service model where hardware and software infrastructure are provided over the internet

60. _____ refers to an agreement between a service provider and a customer specifying the level of service.

Part-B (2 x 20 =40)

1. Explain the different service models of cloud computing (IaaS, PaaS, and SaaS). Provide examples of each model and discuss their advantages and disadvantages.

2. Discuss the concept of cloud security. What are the main challenges involved in securing cloud environments, and what are the best practices for addressing these challenges?

Course Coordinator   **HoD/CSE**

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Report

Name of the course   : CLOUD COMPUTING

Course Code   : CS23242

Course Coordinator(s)   : **Mrs.A.Getsyal, AP/CSE**

Total Hours: 40   **Academic Year: 2023-2024**

I hereby affirm that the entire course contents listed in the course syllabus of the certificate program **"CLOUD COMPUTING"** have educated to the students as the part of the prescribed co– curricular activities through certificate program. They have been given the basic concepts of **CLOUD COMPUTING** and students clearly understood the major portions.

I confirmed that the certificate program titled as **"CLOUD COMPUTING"** 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.

Course Coordinator (s)   **HoD/CSE**   **Principal**

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60

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This is to Certify that Mr/Ms. __Ismail S__

of __III - Year__ has Completed the Course on

__Cloud Computing__ from __18/3/2024__ to __22/3/2024__

Course Coordinator   Hod   Principal

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61

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Course Completion Certificate

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This is to Certify that Mr/Ms. ✓ _Atchaya S_

of _III - Year_ has Completed the Course on

Cloud Computing from _18/3/2024_ to _22/3/2024_

Course Coordinator   Hod   Principal