



**Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING**

Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



NAAC Accredited

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Details of the Certificate/Value Added Course

Sr.No	Name of Course	Course Code	Year	Duration	Number of Students Completed the course	Page Number
1	Network Simulator Cisco Packet Tracer	CSE222302	2022-2023	01/09/2022 - 24/11/2022	55	2-18
2	Android Mobile Application Development	CSE222305	2022-2023	08/02/2023 - 06/04/2023	49	19-36
3	Full Stack Web Development	IT222303	2022-2023	03/10/2022 - 21/11/2022	58	37-54

Certified Documents from Page Number 2- Page Number 54

Network Simulator Cisco packet Tracer



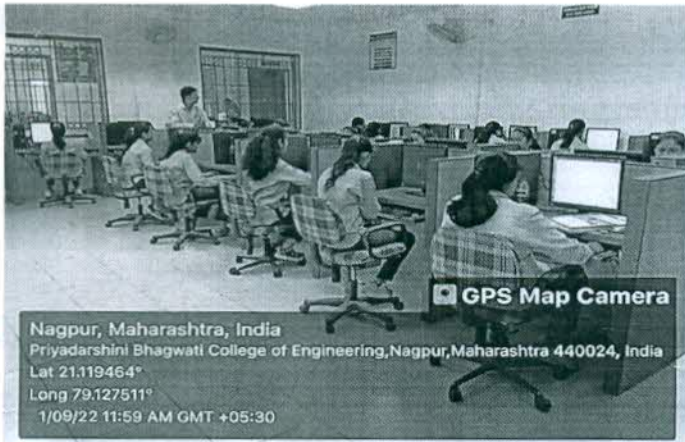
Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited




Department of Computer Science and Engineering
Academic session 2022-23(ODD SEMESTER)


Report of Free Certification Course on Network Simulator Cisco Packet Tracer

1. Event Title : Network Simulator Cisco Packet Tracer
2. Event Date : 01 September 2022 (Thursday) To 24 November 2022
3. Event Venue : Computer Centre Lab, Dept of CSE, PBCOE
4. Event Resource Person : Mr. D. V. Jamthe
5. Name of Event Coordinator : Mr. D. V. Jamthe
6. Semester/Branch : VII Semester, B. E. CSE (55 Students)
7. Objective : To make student aware about Network Simulator.
8. Outcome : Student have been explain to predict the performance of a computer network topology, network devices and protocols.




Mr. D. V. Jamthe
Co-Ordinator


Prof. K. N. Hande
Head of Department
Department of Computer Sc. & Engg.
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur - 24.


Dr. N. K. Choudhari
Principal
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur.



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
 Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
 (Approved by AICTE, New Delhi, Govt. of Maharashtra
 and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
 Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited



Department of Computer Science & Engineering

Session - 2022-23
Semester - VII semester

DATE: 27/8/2022
TIMING:

Topic- Network simulator Cisco Packet Tracer

SIGNATURE SHEET

Roll No	Name of Students	Signature of Students
3	Alkesh Raju Bawapatre	Alkesh
1	Aishwarya S. Sahare	Ashare
2	Akshata Nilrose	Nilrose
110	Yasini Lekhande	Yasini
133	Shalini Jadhav	Shalini
106	Dhanashree Lokhande	D Lokhande
126	Ranu Temre	Ranu
116	Likhita Wanjari	Likhita
108	Prerana Mandhate	Prerana
164	Pratik Kapse	Pratik
146	Anurag Jais	Anurag
130	Shraddha Barsegale	Shraddha
127	Rohini Jadhav	Rohini
129	Sakshi Dasani	Sakshi
140	Aayush Halwar	Aayush
153	Hrushikar Karlekar	Hrushikar
148	Dhyanraj Adikane	Dhyanraj
169	Sheeb A. Sheikh	Sheeb
156	Keshav S. Lichade	Keshav
165	Raurak. D. Modak	Raurak
166	Rushikesh. A. Borkar	R. Borkar
155	Kaustubh. D. Dharmare	K. Dharmare
163	Prasad Zade	P. Zade
160	Nehal Birkde	Nehal
150	Ganwan Vamra	Ganwan
172	Vinay Hironji	Vinay
171	Tajay Wankhede	T. Wankhede
146	Astik Sayare	Astik
148	Aniket Mahale	Aniket
149	Gaurav. Gawhar	Gaurav
107	Disha Tugade	Disha
143	Aman Punekar	Aman
134	Shruti D. Lokhande	Shruti



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Harpur Nagar, Umred Road, Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra (DTE) and
Affiliated to RTM Nagpur University, Nagpur)



Email – principalpbcoe@gmail.com

NAAC Accredited

Website – www.pbcoe.edu.in

“Certificate”

We take pleasure in presenting this certificate to

Mihir Parmar

for his/her valued participation in Network Simulator Cisco Packet Tracer
Organized by Department of Computer Science & Engineering
On/from Date 01.09.2022 to 24.11.2022

We wish him/her the best for all their future endeavours.


D. V. Jantale


Event Co-ordinator


Mr. K. N. Hande

HoD, CSE, PBCOE, Nagpur


Dr. Mrs. A. R. Chaudhari

IQAC Coordinator, PBCOE, Nagpur


Dr. N. K. Choudhari

Principal, PBCOE, Nagpur



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Harpur Nagar, Umred Road, Nagpur-24

(Approved by AICTE, New Delhi, Govt. of Maharashtra (DTE) and
Affiliated to RTM Nagpur University, Nagpur)



Email – principalpbcoe@gmail.com

NAAC Accredited

Website – www.pbcoe.edu.in

“Certificate”

We take pleasure in presenting this certificate to

Payal Mankar

for his/her valued participation in Network simulator Cisco Packet Tracer
Organized by Department of Computer Science & Engineering
On/from Date 01.09.2022 to 24.11.2022

We wish him/her the best for all their future endeavours.

D V Jantle

D V Jantle

Event Co-ordinator

Mr. K. N. Hande

Mr. K. N. Hande

HoD, CSE, PBCOE, Nagpur

Dr. Mrs. A. R. Chaudhari

Dr. Mrs. A. R. Chaudhari

IQAC Coordinator, PBCOE, Nagpur

Dr. N. K. Choudhari

Dr. N. K. Choudhari

Principal, PBCOE, Nagpur



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited




Department of Computer Science and Engineering


Academic session 2022-23(ODD Semester)

Free Certification Course

Course Name:- Network Simulator Cisco Packet Tracer

Sr.No.	Contents	Date
1	Module 1: Introduction	01/09/2022
2	Packet Tracer Overview	03/09/2022
3	Supported Protocols Overview	03/09/2022
4	Topologies Overview	03/09/2022
5	Interface Overview, Features	08/09/2022
6	Module 2: Network Devices	15/09/2022
7	Cisco Devices and Packet Tracer Devices, Routers, Switches,	17/09/2022
8	Customizing Devices with Modules, Naming Convention	17/09/2022
9	Creating a Custom Device, Accessing the CLI, CLI Tab,	17/09/2022
10	Console Port, Configuring Network Devices, Interface Settings	22/09/2022
11	Module 3: Generic IP End Devices	29/09/2022
12	Client Devices	01/10/2022
13	Desktops, Laptops	01/10/2022
14	Servers	01/10/2022
15	Configuring End Devices	06/10/2022
16	Module 4: Network Topology	13/10/2022
17	Understand Network Topology, Devices Connectivity	15/10/2022
18	Testing Connectivity with PDUs, Simple PDU, Complex PDU	15/10/2022
19	Understand Simulation Mode, Clustering a Topology	15/10/2022
20	Simulation of Bus, Star, Ring, Mesh, Tree and Hybrid Topology	03/11/2022
21	Module 5: IoT Components in Packet Tracer	05/11/2022
22	Study about the Internet of Things (IOT).	05/11/2022
23	Understand IOT devices available in Packet Tracer	05/11/2022
24	Working with IOT devices available in Packet Tracer	10/11/2022
25	Module 6: Project	17/11/2022
26	Home Automation	19/11/2022
27	Build Smart Cities	19/11/2022
28	Smart Farming	19/11/2022
29	E-Health	24/11/2022
30	Smart Retail	24/11/2022


Mr. D. V. Jamthe
Co-ordinator


Mr. K. N. Hande
Head of Department
HOD, CSE
Department of Computer Sc. & Engg.
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur - 24.



Department of Computer Science & Engineering

Academic Session 2022-23 (ODD Semester)

Free Certification Course

Name of Course - Network Simulator Cisco Packet Tracer

Course Code: CSE222302

07/10 Dinesh

Assessment Test

Roll No - 38
Name of the Student - Gaurav Verma
(* Each Question will carry 1 Mark)

Que No	Questions
1	A Protocol defines* a) what is communicated b) how it is communicated c) when it is communicated <input checked="" type="checkbox"/> d) All of the Above
2	OSI Model has* a) 4 Layer b) 5 Layer c) 6 Layer <input checked="" type="checkbox"/> d) 7 Layer
3	A router is considered as a _____ that operates in the network layer that is it acts on network layer frames.* a) Layer 1 Relay b) Layer 2 Relay <input checked="" type="checkbox"/> c) Layer 3 Relay d) None of above
4	Arrange the Following Types of Networks according to their size, from largest to smallest?*a) LAN,WAN,MAN b) WAN, LAN, MAN c) MAN,LAN,WAN <input checked="" type="checkbox"/> d) WAN, MAN, LAN
5	What is range of class C?*a) 0-127 b) 128-191 <input checked="" type="checkbox"/> c) 192-223 d) 224-239
6	What is Subnet Mask of Class B?*a) 255.0.0.0 <input checked="" type="checkbox"/> b) 255.255.0.0



	c) 255.255.255.0 d) 255.255.255.255
7	What is the use of Ping command?*
	a) To test a Printer Quality b) To test a bug in a Application c) To test a hard disk fault <input checked="" type="checkbox"/> d) To test a device on the network is reachable
8	In Cisco Packet Tracer, which cable can be used for the connection of 2 computers only.*
	a) Straight through UTP cable <input checked="" type="checkbox"/> b) Cross Over through UTP cable c) Coaxial Cable d) Fiber Optic Cable
9	What is IoT?
	<input checked="" type="checkbox"/> a) network of physical objects embedded with sensors b) network of virtual objects c) network of objects in the ring structure d) network of sensors
10	Which of the following is used to capture data from the physical world in IoT devices?
	a) Sensors b) Actuators c) Microprocessors <input checked="" type="checkbox"/> d) Micro-controllers



Department of Computer Science & Engineering

Academic Session 2022-23 (ODD Semester)

Free Certification Course

Name of Course - Network Simulator Cisco Packet Tracer

Course Code: CSE 222302

07 / 10 *Amesh*

Assessment Test

Roll No - 16
Name of the Student - *Payal Mankar*
(* Each Question will carry 1 Mark)

Que No	Questions
1	A Protocol defines* a) what is communicated b) how it is communicated c) when it is communicated <input checked="" type="checkbox"/> d) All of the Above
2	OSI Model has* a) 4 Layer b) 5 Layer c) 6 Layer <input checked="" type="checkbox"/> d) 7 Layer
3	A router is considered as a _____ that operates in the network layer that is it acts on network layer frames.* a) Layer 1 Relay <input checked="" type="checkbox"/> b) Layer 2 Relay c) Layer 3 Relay d) None of above
4	Arrange the Following Types of Networks according to their size, from largest to smallest?* <input checked="" type="checkbox"/> a) LAN,WAN,MAN b) WAN, LAN, MAN c) MAN,LAN,WAN d) WAN, MAN, LAN
5	What is range of class C?* a) 0-127 b) 128-191 <input checked="" type="checkbox"/> c) 192-223 d) 224-239
6	What is Subnet Mask of Class B?* a) 255.0.0.0 <input checked="" type="checkbox"/> b) 255.255.0.0



	c) 255.255.255.0 d) 255.255.255.255
7	What is the use of Ping command?*
	a) To test a Printer Quality b) To test a bug in a Application ✓ c) To test a hard disk fault d) To test a device on the network is reachable ✓
8	In Cisco Packet Tracer, which cable can be used for the connection of 2 computers only.*
	a) Straight through UTP cable b) Cross Over through UTP cable ✓ c) Coaxial Cable d) Fiber Optic Cable
9	What is IoT?
	a) network of physical objects embedded with sensors b) network of virtual objects c) network of objects in the ring structure ✓ d) network of sensors ✓
10	Which of the following is used to capture data from the physical world in IoT devices?
	a) Sensors b) Actuators ✓ c) Microprocessors d) Micro-controllers X



Department of Computer Science & Engineering

Academic Session 2022-23 (ODD Semester)

Free Certification Course

Name of Course - Network Simulator Cisco Packet Tracer

Course Code: CSE 222302

08/10
Donesh

Assessment Test

Roll No

- 49

Name of the Student

- Pratik Kapse

(* Each Question will carry 1 Mark)

Que No	Questions
1	A Protocol defines* a) what is communicated b) how it is communicated c) when it is communicated ✓ d) All of the Above
2	OSI Model has* a) 4 Layer b) 5 Layer c) 6 Layer ✓ d) 7 Layer
3	A router is considered as a _____ that operates in the network layer that is it acts on network layer frames.* a) Layer 1 Relay b) Layer 2 Relay ✓ c) Layer 3 Relay d) None of above
4	Arrange the Following Types of Networks according to their size, from largest to smallest?* a) LAN,WAN,MAN b) WAN, LAN, MAN c) MAN,LAN,WAN ✓ d) WAN, MAN, LAN
5	What is range of class C?* a) 0-127 b) 128-191 ✓ c) 192-223 d) 224-239
6	What is Subnet Mask of Class B?* a) 255.0.0.0 ✓ b) 255.255.0.0



	c) 255.255.255.0 d) 255.255.255.255
7	What is the use of Ping command?*
	a) To test a Printer Quality b) To test a bug in a Application c) To test a hard disk fault d) To test a device on the network is reachable
8	In Cisco Packet Tracer, which cable can be used for the connection of 2 computers only.*
	a) Straight through UTP cable b) Cross Over through UTP cable c) Coaxial Cable d) Fiber Optic Cable
9	What is IoT?
	a) network of physical objects embedded with sensors b) network of virtual objects c) network of objects in the ring structure d) network of sensors
10	Which of the following is used to capture data from the physical world in IoT devices?
	a) Sensors b) Actuators c) Microprocessors d) Micro-controllers



Department of Computer Science & Engineering

Academic Session 2022-23 (ODD Semester)

Free Certification Course

Name of Course - Network Simulator Cisco Packet Tracer

Course Code: CSE 222302

09
10
mees

Assessment Test

Roll No - 45
Name of the Student - Milind Parmar
(* Each Question will carry 1 Mark)

Que No	Questions
1	A Protocol defines* a) what is communicated b) how it is communicated c) when it is communicated d) All of the Above ✓
2	OSI Model has* a) 4 Layer b) 5 Layer c) 6 Layer d) 7 Layer ✓
3	A router is considered as a _____ that operates in the network layer that is it acts on network layer frames.* a) Layer 1 Relay b) Layer 2 Relay c) Layer 3 Relay ✓ d) None of above
4	Arrange the Following Types of Networks according to their size, from largest to smallest?* a) LAN, WAN, MAN b) WAN, LAN, MAN ✗ c) MAN, LAN, WAN d) WAN, MAN, LAN
5	What is range of class C?* a) 0-127 b) 128-191 c) 192-223 ✓ d) 224-239
6	What is Subnet Mask of Class B?* a) 255.0.0.0 b) 255.255.0.0 ✓



	c) 255.255.255.0 d) 255.255.255.255
7	What is the use of Ping command?*
	a) To test a Printer Quality b) To test a bug in a Application c) To test a hard disk fault d) To test a device on the network is reachable
8	In Cisco Packet Tracer, which cable can be used for the connection of 2 computers only.*
	a) Straight through UTP cable b) Cross Over through UTP cable c) Coaxial Cable d) Fiber Optic Cable
9	What is IoT?
	a) network of physical objects embedded with sensors b) network of virtual objects c) network of objects in the ring structure d) network of sensors
10	Which of the following is used to capture data from the physical world in IoT devices?
	a) Sensors b) Actuators c) Microprocessors d) Micro-controllers



Department of Computer Science & Engineering

Academic Session 2022-23 (ODD Semester)

Free Certification Course

Name of Course - Network Simulator Cisco Packet Tracer

Course Code: CSE222302

04 / 10 Dmsh

Assessment Test

Roll No - 9
Name of the Student - Gauri Lokhande
(* Each Question will carry 1 Mark)

Que No	Questions
1	A Protocol defines* a) what is communicated b) how it is communicated c) when it is communicated d) All of the Above
2	OSI Model has* a) 4 Layer b) 5 Layer c) 6 Layer d) 7 Layer
3	A router is considered as a _____ that operates in the network layer that is it acts on network layer frames.* a) Layer 1 Relay b) Layer 2 Relay c) Layer 3 Relay d) None of above
4	Arrange the Following Types of Networks according to their size, from largest to smallest?* a) LAN,WAN,MAN b) WAN, LAN, MAN c) MAN,LAN,WAN d) WAN, MAN, LAN
5	What is range of class C?* a) 0-127 b) 128-191 c) 192-223 d) 224-239
6	What is Subnet Mask of Class B?* a) 255.0.0.0 b) 255.255.0.0



	c) 255.255.255.0 d) 255.255.255.255
7	What is the use of Ping command?*
	a) To test a Printer Quality b) To test a bug in a Application c) To test a hard disk fault d) To test a device on the network is reachable
8	In Cisco Packet Tracer, which cable can be used for the connection of 2 computers only.*
	a) Straight through UTP cable b) Cross Over through UTP cable c) Coaxial Cable d) Fiber Optic Cable
9	What is IoT?
	a) network of physical objects embedded with sensors b) network of virtual objects c) network of objects in the ring structure d) network of sensors
10	Which of the following is used to capture data from the physical world in IoT devices?
	a) Sensors b) Actuators c) Microprocessors d) Micro-controllers

Android Mobile Application Development



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



NAAC Accredited

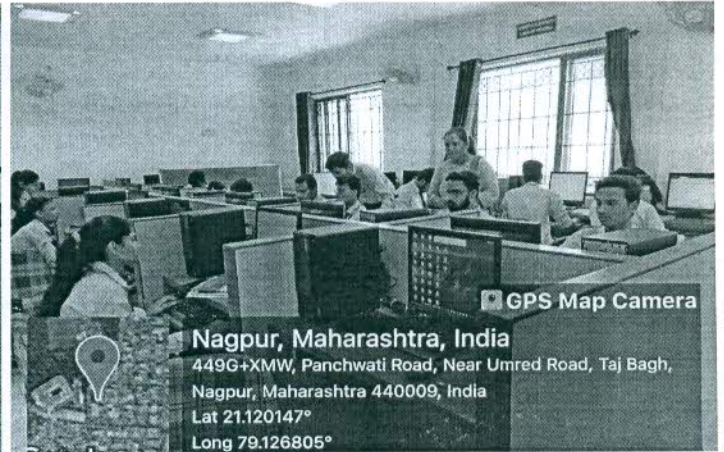
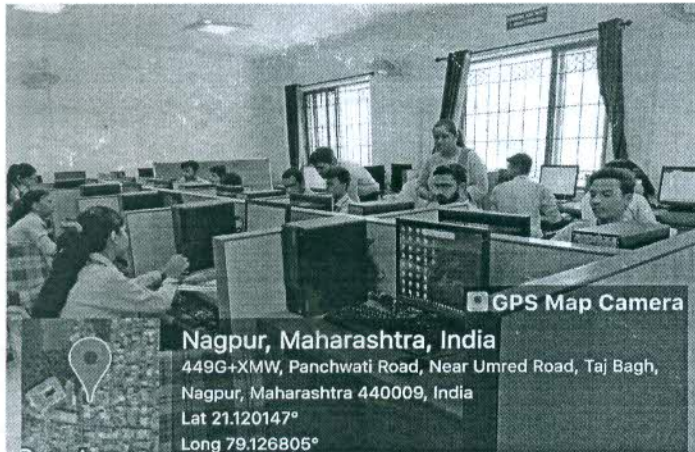
Department of Computer Science and Engineering
Academic session 2022-23(EVEN SEM)

Report of Free Certification course

on

Android Mobile Application Development

1. Event Title : Android Mobile Application Development
2. Event Date : 08/02/2023 (Monday) To 06/04/2023 (Thursday)
3. Event Venue : Computer Centre Lab, Dept of CSE, PBCOE
4. Event Resource Person : Ms. Shrunkhala S. Wankhede
5. Name of Event Coordinator: Ms. Shrunkhala S. Wankhede
6. Sem/Branch : VI Sem, B. Tech CSE (49 Students)
7. Objective : To make student aware about Android Mobile Application Development
8. Outcome :After the completion of the Android Mobile Application Development Course, you should be able to understand - Basic Android Development tools, How to use various Layouts and Widgets in Android Applications, How to create interactive applications in android with multiple activities including audio, video and notifications.





Ms. S. S. Wankhede

Co-ordinator


Prof. K. N. Hande

Head of Department
Department of Computer Sc. & Engg,
Priyadarshini Bhagwati College of Engg,
Umred Road, Nagpur - 24.


Dr. N. K. Choudhari

Principal
Principal
Priyadarshini Bhagwati College of Engg,
Umred Road, Nagpur.



Department of Computer Science & Engineering

Session - 2022-23 (EVEN SEM)

DATE: 02-02-2023

Semester - VI sem CSE

TIMING: -

Topic- Android Mobile Application Development

SIGNATURE SHEET

Roll No	Name of Students	Signature of Students
104. ✓	Akanksha S. Natwar	
120	Savari R. Kurewar	
123	Tarishka R. dukay	
125	Utkarsha M. wanjari	
134	Arya R. Amgankar	
122	Tanaya H. Agrc	
108	Dimpal charde	
105	Anushka shinde	
101	Aabha yerpude	
110.	Banhu Pittulwar.	
111.	Neha Sahane.	
156	Sahil Pathan	
149	Pragya Mankar	
116	Rugveda P. Dhok	
106	chanchal A. Mate	
112	Nikita sonkusare	
137	Ghanashyam Chaphle.	
138	Haneef Syed	
139	Harshul A. Jaiswal	
109	Janhavi P. chaudhari	
119	Sanskriti v. Tiwari	
146	Niveed N. Mogyre	
145	Nishad S. Sahi	
148	Priyanka S. Kulkar	
160	Sheeja Minal Pande	
161	Shamal Shankar Hattimare	
163	Vinod P. Velkare	
151	Priyanshu R. Kolhatkar.	
157	Sanket R. Rautel	
159	Shivam V. Malakar	
127	Vaishnavi M. Ithare	



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Harpur Nagar, Umred Road, Nagpur-24

(Approved by AICTE, New Delhi, Govt. of Maharashtra (DTE) and
Affiliated to RTM Nagpur University, Nagpur)



Email – principalpbcoe@gmail.com

NAAC Accredited

Website – www.pbcoe.edu.in

“Certificate”

We take pleasure in presenting this certificate to

DIMPAL J. CHARDE


for his/her valued participation in Android Mobile Application Development
Organized by Department of Computer Science & Engineering

On/from Date 08/02/2023 to 06/04/2023

We wish him/her the best for all their future endeavours.


Ms. S. S. Wankhede

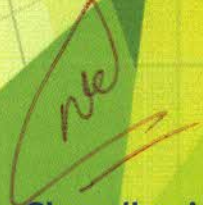
Event Co-ordinator


Mr. K. N. Hande

HoD, CSE, PBCOE, Nagpur


Dr. Mrs. A. R. Chaudhari

IQAC Coordinator, PBCOE, Nagpur


Dr. N. K. Choudhari

Principal, PBCOE, Nagpur



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Harpur Nagar, Umred Road, Nagpur-24

(Approved by AICTE, New Delhi, Govt. of Maharashtra (DTE) and
Affiliated to RTM Nagpur University, Nagpur)



Email – principalpbcoe@gmail.com

NAAC Accredited

Website – www.pbcoe.edu.in

“Certificate”


We take pleasure in presenting this certificate to

NAYAN D. DEOGADE

for his/her valued participation in Android Mobile Application Development
Organized by Department of Computer Science & Engineering

On/from Date 08/02/2023 to 06/04/2023

We wish him/her the best for all their future endeavours.


Ms. S. S. Wankhede

Event Co-ordinator


Mr. K. N. Hande

HoD, CSE, PBCOE, Nagpur


Dr. Mrs. A. R. Chaudhari

IQAC Coordinator, PBCOE, Nagpur


Dr. N. K. Choudhari

Principal, PBCOE, Nagpur



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited



Department of Computer Science and Engineering

Academic session 2022-23(Even Sem)

Free Certification Course


Course Name:- **ANDROID MOBILE APPLICATION DEVELOPMENT**

Sr. No.	Contents	No. Of Hrs.
1.	Basics of Android: Eclipse, DDMS	1
2.	Activity LifeCycle, Manifest File	1
3.	Locales, Drawables, Listeners	1
4.	Supporting Multiple Screens	1
5.	Android Layouts and Widgets: Linear Layout, Relative Layout	1
6.	Table Layout, Grid View	1
7.	List View, Toggle Buttons, Checkboxes	1
8.	Radio Buttons, Radio Group, Spinner	1
9.	Autocomplete TextView, Web Views	1
10.	Communication and Media: Date Picker, Time Picker, Intents	1
11.	Bundle, Switching between Activities	1
12.	Shared Preferences, Notifications in Android	1
13.	Media Player, Video Player	1

14.	Storage Techniques and Animation in Android: Internal Storage, External Storage	1
15.	Frame animation, Tween animation	1
16.	Canvas	1
17.	Paint and Path	1
18.	Web Services and Customizations of Widgets : HTTPClient, HTTPResponse	1
19.	JSON	1
20.	Tweeter App with JSON, Async Task	1
21.	Customizing a button	1
22.	Customizing Spinners	1
23.	Customizing ListView	1
24.	Customizing GridView	1
25.	Advanced Android Concepts: Starting Activity For Result	1
26.	SQLite Database, SQLite Data Types,	1
27.	SQLiteOpenHelper Class	1
28.	Content Values, Cursor	1
29.	Content Providers	1
30.	Publish your App on Google Play	1


Co-Ordinator

Ms. S. S. Wankhede


HOD, CSE

Mr. K. N. Hande
Head of Department
Department of Computer Sc. & Engg.
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur - 24.



Department of Computer Science and Engineering

Academic session 2022-23 (Even Semester)

FREE CERTIFICATION COURSE

**NAME OF THE COURSE: ANDROID MOBILE APPLICATION DEVELOPMENT
ASSESSMENT TEST**

NAME OF PARTICIPANTS: Dimpal charde

COURSE CODE: CSE 2223 05

(EACH QUESTION CARRY 1 MARK)

9/10

Q1.	Among these choices, which one does the .apk extension signify? a. Application Program Kit b. Android Package <input checked="" type="checkbox"/> c. Application Package ✓ d. Android Proprietary Kit
Q2.	Which of these files specifies our screen's layout? a. Manifest file <input checked="" type="checkbox"/> b. Layout file X c. R file d. Strings XML
Q3.	Android is shipped with which of these built-in databases? a. Oracle b. MySQL ✓ c. Apache <input checked="" type="checkbox"/> d. SQLite
Q4.	While making any network call, if the UI begins to crash or behave sluggishly, it is most likely because of:

	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. Network latency b. Too many activities on the Activity Manager c. Hardware malfunctions d. Virus on the available Server
Q5.	<p>How can we stop the services in android?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. By using the stopSelf() and stopService() method b. By using the finish() method c. By using system.exit() method d. None of the above
Q6.	<p>What is the process for terminating an activity in the Android operating system ?</p> <ul style="list-style-type: none"> a. Using finish() method b. Using finishActivity(int requestCode) <input checked="" type="checkbox"/> c. Both (a) and (b) d. Neither (a) nor (b)
Q7.	<p>Which of the following is the first callback method that is invoked by the system during an activity life-cycle?</p> <ul style="list-style-type: none"> a. onClick() method <input checked="" type="checkbox"/> b. onCreate() method c. onStart() method d. onRestart() method
Q8.	<p>Which of the following is not an activity lifecycle callback method?</p> <ul style="list-style-type: none"> a. onClick() method b. onCreate() method c. onStart() method <input checked="" type="checkbox"/> d. onBackPressed() method
Q9.	<p>AAPT is an acronym that stands for -</p> <ul style="list-style-type: none"> a. Android Activity Packaging Tool <input checked="" type="checkbox"/> b. Android Asset Packaging Tool c. Android Action Packaging Tool d. None of the above
Q10.	<p>Which of the following is contained in the src folder?</p> <ul style="list-style-type: none"> a. XML <input checked="" type="checkbox"/> b. Java source code c. Manifest d. None of the above

Harsha



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited



Department of Computer Science and Engineering

Academic session 2022-23 (Even Semester)

FREE CERTIFICATION COURSE

NAME OF THE COURSE: ANDROID MOBILE APPLICATION DEVELOPMENT ASSESSMENT TEST

NAME OF PARTICIPANTS: Janaya Agrc

COURSE CODE: CSE 22 23 05

(EACH QUESTION CARRY 1 MARK)

Q1.	Among these choices, which one does the .apk extension signify? a. Application Program Kit b. Android Package ✓ <input checked="" type="checkbox"/> c. Application Package d. Android Proprietary Kit
Q2.	Which of these files specifies our screen's layout? a. Manifest file <input checked="" type="checkbox"/> b. Layout file ✗ c. R file d. Strings XML
Q3.	Android is shipped with which of these built-in databases? a. Oracle b. MySQL ✓ c. Apache <input checked="" type="checkbox"/> d. SQLite
Q4.	While making any network call, if the UI begins to crash or behave sluggishly, it is most likely because of:

9/10

	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. Network latency b. Too many activities on the Activity Manager c. Hardware malfunctions d. Virus on the available Server
Q5.	<p>How can we stop the services in android?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. By using the stopSelf() and stopService() method b. By using the finish() method c. By using system.exit() method d. None of the above
Q6.	<p>What is the process for terminating an activity in the Android operating system?</p> <ul style="list-style-type: none"> a. Using finish() method b. Using finishActivity(int requestCode) <input checked="" type="checkbox"/> c. Both (a) and (b) d. Neither (a) nor (b)
Q7.	<p>Which of the following is the first callback method that is invoked by the system during an activity life-cycle?</p> <ul style="list-style-type: none"> a. onClick() method <input checked="" type="checkbox"/> b. onCreate() method c. onStart() method d. onRestart() method
Q8.	<p>Which of the following is not an activity lifecycle callback method?</p> <ul style="list-style-type: none"> a. onClick() method b. onCreate() method c. onStart() method <input checked="" type="checkbox"/> d. onBackPressed() method
Q9.	<p>AAPT is an acronym that stands for -</p> <ul style="list-style-type: none"> a. Android Activity Packaging Tool <input checked="" type="checkbox"/> b. Android Asset Packaging Tool c. Android Action Packaging Tool d. None of the above
Q10.	<p>Which of the following is contained in the src folder?</p> <ul style="list-style-type: none"> a. XML <input checked="" type="checkbox"/> b. Java source code c. Manifest d. None of the above

Agree



Department of Computer Science and Engineering

Academic session 2022-23 (Even Semester)

FREE CERTIFICATION COURSE

**NAME OF THE COURSE: ANDROID MOBILE APPLICATION DEVELOPMENT
ASSESSMENT TEST**

NAME OF PARTICIPANTS: Utkarsha Milind waranjari

COURSE CODE: CSE222305

(EACH QUESTION CARRY 1 MARK)

7/10

Q1.	Among these choices, which one does the .apk extension signify? a. Application Program Kit <input checked="" type="checkbox"/> b. Android Package X c. Application Package d. Android Proprietary Kit
Q2.	Which of these files specifies our screen's layout? a. Manifest file <input checked="" type="checkbox"/> b. Layout file X c. R file d. Strings XML
Q3.	Android is shipped with which of these built-in databases? a. Oracle <input checked="" type="checkbox"/> b. MySQL ✓ c. Apache <input checked="" type="checkbox"/> d. SQLite
Q4.	While making any network call, if the UI begins to crash or behave sluggishly, it is most likely because of:

	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. Network latency <input type="checkbox"/> b. Too many activities on the Activity Manager <input type="checkbox"/> c. Hardware malfunctions <input type="checkbox"/> d. Virus on the available Server
Q5.	<p>How can we stop the services in android?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. By using the stopSelf() and stopService() method <input type="checkbox"/> b. By using the finish() method <input type="checkbox"/> c. By using system.exit() method <input type="checkbox"/> d. None of the above
Q6.	<p>What is the process for terminating an activity in the Android operating system?</p> <ul style="list-style-type: none"> <input type="checkbox"/> a. Using finish() method <input type="checkbox"/> b. Using finishActivity(int requestCode) <input type="checkbox"/> c. Both (a) and (b) <input checked="" type="checkbox"/> d. Neither (a) nor (b)
Q7.	<p>Which of the following is the first callback method that is invoked by the system during an activity life-cycle?</p> <ul style="list-style-type: none"> <input type="checkbox"/> a. onClick() method <input checked="" type="checkbox"/> b. onCreate() method <input type="checkbox"/> c. onStart() method <input type="checkbox"/> d. onRestart() method
Q8.	<p>Which of the following is not an activity lifecycle callback method?</p> <ul style="list-style-type: none"> <input type="checkbox"/> a. onClick() method <input type="checkbox"/> b. onCreate() method <input type="checkbox"/> c. onStart() method <input checked="" type="checkbox"/> d. onBackPressed() method
Q9.	<p>AAPT is an acronym that stands for -</p> <ul style="list-style-type: none"> <input type="checkbox"/> a. Android Activity Packaging Tool <input checked="" type="checkbox"/> b. Android Asset Packaging Tool <input type="checkbox"/> c. Android Action Packaging Tool <input type="checkbox"/> d. None of the above
Q10.	<p>Which of the following is contained in the src folder?</p> <ul style="list-style-type: none"> <input type="checkbox"/> a. XML <input checked="" type="checkbox"/> b. Java source code <input type="checkbox"/> c. Manifest <input type="checkbox"/> d. None of the above

Handwritten signature



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited



Department of Computer Science and Engineering

Academic session 2022-23 (Even Semester)

FREE CERTIFICATION COURSE

**NAME OF THE COURSE: ANDROID MOBILE APPLICATION DEVELOPMENT
ASSESSMENT TEST**

NAME OF PARTICIPANTS: Tanishka. R. Dube

COURSE CODE: CSE222305

(EACH QUESTION CARRY 1 MARK)

9/10
[Signature]

Q1.	Among these choices, which one does the .apk extension signify? a. Application Program Kit <input checked="" type="checkbox"/> b. Android Package ✓ c. Application Package d. Android Proprietary Kit
Q2.	Which of these files specifies our screen's layout? a. Manifest file <input checked="" type="checkbox"/> b. Layout file X c. R file d. Strings XML
Q3.	Android is shipped with which of these built-in databases? a. Oracle b. MySQL c. Apache <input checked="" type="checkbox"/> d. SQLite ✓
Q4.	While making any network call, if the UI begins to crash or behave sluggishly, it is most likely because of:

	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. Network latency b. Too many activities on the Activity Manager c. Hardware malfunctions d. Virus on the available Server 	✓
Q5.	How can we stop the services in android?	
	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. By using the stopSelf() and stopService() method b. By using the finish() method c. By using system.exit() method d. None of the above 	✓
Q6.	What is the process for terminating an activity in the Android operating system?	
	<ul style="list-style-type: none"> a. Using finish() method b. Using finishActivity(int requestCode) <input checked="" type="checkbox"/> c. Both (a) and (b) d. Neither (a) nor (b) 	✓
Q7.	Which of the following is the first callback method that is invoked by the system during an activity life-cycle?	
	<ul style="list-style-type: none"> a. onClick() method <input checked="" type="checkbox"/> b. onCreate() method c. onStart() method d. onRestart() method 	✓
Q8.	Which of the following is not an activity lifecycle callback method?	
	<ul style="list-style-type: none"> a. onClick() method b. onCreate() method c. onStart() method <input checked="" type="checkbox"/> d. onBackPressed() method 	✓
Q9.	AAPT is an acronym that stands for -	
	<ul style="list-style-type: none"> a. Android Activity Packaging Tool <input checked="" type="checkbox"/> b. Android Asset Packaging Tool c. Android Action Packaging Tool d. None of the above 	✓
Q10.	Which of the following is contained in the src folder?	
	<ul style="list-style-type: none"> a. XML <input checked="" type="checkbox"/> b. Java source code c. Manifest d. None of the above 	✓

Praboy



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited



Department of Computer Science and Engineering

Academic session 2022-23 (Even Semester)

FREE CERTIFICATION COURSE

**NAME OF THE COURSE: ANDROID MOBILE APPLICATION DEVELOPMENT
ASSESSMENT TEST**

NAME OF PARTICIPANTS: Yash Khobragade

COURSE CODE: CSE 222305

(EACH QUESTION CARRY 1 MARK)

7/10

Q1.	Among these choices, which one does the .apk extension signify? a. Application Program Kit b. <input checked="" type="checkbox"/> Android Package c. Application Package d. Android Proprietary Kit
Q2.	Which of these files specifies our screen's layout? a. Manifest file b. Layout file c. R file d. <input checked="" type="checkbox"/> Strings XML
Q3.	Android is shipped with which of these built-in databases? a. Oracle b. MySQL c. Apache d. <input checked="" type="checkbox"/> SQLite
Q4.	While making any network call, if the UI begins to crash or behave sluggishly, it is most likely because of:

	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. Network latency b. Too many activities on the Activity Manager c. Hardware malfunctions d. Virus on the available Server
Q5.	<p>How can we stop the services in android?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> a. By using the stopSelf() and stopService() method b. By using the finish() method c. By using system.exit() method d. None of the above
Q6.	<p>What is the process for terminating an activity in the Android operating system ?</p> <ul style="list-style-type: none"> a. Using finish() method b. Using finishActivity(int requestCode) c. Both (a) and (b) <input checked="" type="checkbox"/> d. Neither (a) nor (b)
Q7.	<p>Which of the following is the first callback method that is invoked by the system during an activity life-cycle?</p> <ul style="list-style-type: none"> a. onClick() method <input checked="" type="checkbox"/> b. onCreate() method c. onStart() method d. onRestart() method
Q8.	<p>Which of the following is not an activity lifecycle callback method?</p> <ul style="list-style-type: none"> a. onClick() method b. onCreate() method c. onStart() method <input checked="" type="checkbox"/> d. onBackPressed() method
Q9.	<p>AAPT is an acronym that stands for -</p> <ul style="list-style-type: none"> a. Android Activity Packaging Tool <input checked="" type="checkbox"/> b. Android Asset Packaging Tool c. Android Action Packaging Tool d. None of the above
Q10.	<p>Which of the following is contained in the src folder?</p> <ul style="list-style-type: none"> a. XML <input checked="" type="checkbox"/> b. Java source code c. Manifest d. None of the above

4/11

Full Stack Web Development



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
 Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
 (Approved by AICTE, New Delhi, Govt. of Maharashtra
 and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
 Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited



Department of Information Technology
Academic session 2022-2023

Report on Certification Course on Full Stack Web Development

1. Title of the Course : Certification Course on Full Stack Web Development
2. Course Code : IT222303
3. Course Date : 03-10-22 to 21-11-22
4. Course conduction duration : 30 Hrs
5. Event venue : Project Lab, IT Department, PBCOE
6. Event resource person/Coordinator : Ms. S.H.Chaflekar, PBCOE, Nagpur
7. Number of students : 58
8. Objective : Create servers and databases for functionality.
Develop adaptive content for multiple devices (cell phone, tablets, etc.) Ensure cross-platform optimization for mobile phones.
9. Outcome : Student created fully functional websites and deployed it on servers. Created webpages and used external.



Program Co-ordinator/Resource Person

Head
Prof. M. S. Chaudhari

IQAC Co-ordinator
Dr. Ms. A. R. Chaudhari
IQAC Coordinator

Principal
Dr. N. K. Choudhari
Principal

Department of Information Technology, Priyadarshini Bhagwati College of Engineering, Umred Road, Nagpur.
 Department of Information Technology, Priyadarshini Bhagwati College of Engineering, Umred Road, Nagpur.
 Department of Information Technology, Priyadarshini Bhagwati College of Engineering, Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Academic session 2022-23

Full stack Web Development

Roll No.	Student Name	Signature
143	Ayush Khodankar	
153	Krutik Giradkar	
167	Upanshu Bawankar	
144	Ayush Wardhane	
139	Ankush Wadode	
152	Jaykumar Zade	
169	Yash S. Shinde	
112	Kajal Sonkusare	
162	Ritesh Nagdiker	
116	Madhura Bhagat	
168	Vruttant Bhad	
113	Kalyani Baware	
123	Pranali Amnerkar	
101	Akanksha R. Uomkar	
136	Vaishnavi Shahu	
131	Shrutika Jghave	
109	Divyani Denge	
104	Anuradha Apte	
122	Payal Bhanavkar	
134	Ummati Agbattanwar	
111	Isba S. Sonfakke	
119	Mounali Jadhav	
127	Riya G. Bansod	
118	Mohini G. Raut	
121	Nidhi B. Bhaisare	
115	Krutika Waghmare	
114	Komal Karamore	
130	Shraddha Jambhulkar	
102	Akanksha Indurkar	
107	Deepanjali Shahu	
106	Bhmeshwari Damate	
103	Anchal B. Kanzode	
110	Gauri Dhoble	
117	Mahima Chaudhari	
124	Purasa Bodkhe	

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Academic session 2022-23

Full stack Web Development

Roll No.	Student Name	Signature
125	Rajlaxmi Meshram	
147	Harsh Meshram	
151	Hemanshu Jodhe	
143	Krunal K. Gogal	
150	Harshal Bagde	
146	Dipak Chaudhari	
147	Harsh Dekate	H. L. Dekate.
145	Prayash Dayase	
142	Ayush Khadgi	
141	Amit Relpade	
140	Anshu Geyapure	
138	Ankur Vaidya	
137	Ajay Bimbkar	
135	Vishnavi Gade	
133	Tanaya S. Dhunde	
132	Smriti K. Thakur	
129	Shivani Pawade	
128	Sakshi Chandewar	
126	Ruchita P. Yerpude	
166	Udaykumar Indorkar	
164	Rohit Lokhande	
163	Rohan Vaidya	
161	Rajat M. Thakre	
160	Rishanku Somjansule	
159	Poojwal Motghare	
158	Bijwal Bhandarkar	
157	Manish Parate	
155	Lalit Gaikwad	L. K. Gaikwad
156	Mangesh Butte	



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S



PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Department of Information Technology
CERTIFICATE

*This is to certify that **Mr./Ms. Swati Thakur** has successfully completed certificate course on "Full Stack Web Development" from 03/10/2022 to 21/11/2022 organized by Department of Information Technology, PBCOE, Nagpur.
We wish him/her the best for all their future endeavours.*

Ms.S.H.Chaflekar

Program Coordinator

Dr. M.S. Chaudhari

Head

Dr.(Mrs.)A.R. Chaudhari

IQAC Coordinator

Dr.N.K. Choudhari

Principal



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S



PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING

Department of Information Technology

CERTIFICATE

*This is to certify that **Mr./Ms. Upanshu Bawankar** has successfully completed certificate course on **"Full Stack Web Development"** from **03/10/2022 to 21/11/2022** organized by **Department of Information Technology, PBCOE, Nagpur.**
We wish him/her the best for all their future endeavours.*

Ms.S.H.Chaflekar

Program Coordinator

Dr. M.S. Chaudhari

Head

Dr.(Mrs.)A.R. Chaudhari

IQAC Coordinator

Dr.N.K. Choudhari

Principal

Department of Information Technology

Session 2022-23

Free Certification Course

Course Name - FullStack Web Development

Syllabus

Session 1: HTML

Introduction to HTML

Browsers and HTML

Editor's Offline and Online

Tags, Attribute and Elements

Doctype Element

Comments

Headings, Paragraphs, and Formatting Text

Lists and Links

Images and Tables

Session 2: CSS

Introduction CSS

Applying CSS to HTML

Selectors, Properties and Values

CSS Colors and Backgrounds

CSS Box Model

CSS Margins, Padding, and Borders

CSS Text and Font Properties

CSS General Topics

Session 3: Programming with Javascript

Introduction to JavaScript

Applying JavaScript (internal and external)

Understanding JS Syntax

Introduction to Document and Window Object

Variables and Operators

Data Types and Num Type Conversion
Math and String Manipulation
Objects and Arrays
Date and Time
Conditional Statements
Switch Case
Looping in JS
Functions

Session 4: ReactJS Development

Introduction
Templating using JSX
Components, State and Props
Lifecycle of Components
Rendering List and Portals
Error Handling

Session 5: NodeJS Development

Node js Overview
Node js - Basics and Setup
Node js Console
Node js Command Utilities
Node js Modules
Node js Concepts



Course Coordinator

Ms. S.H Chaflekar

9096764935



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



Department of Information Technology
Academic Session 2022-23 (ODD Semester)
Free Certification Course
Name of Course - FullStack Web Development
Course Code - IT222303

Assessment Test

Name of the Student: *Vaishnavi Gade*

(08/10)

(* Each Question will carry 1 Mark)

Que No.	Question	Answer
1	CRUD stands for ____. A. Create, Read, Upload, Delete B. Create, Read, Upgrade, Deploy C. Create, Remove, Upgrade, Delete D. Create, Read, Update, Delete	<i>A</i>
2	Is JavaScript synchronous or asynchronous? A. Synchronous B. Asynchronous C. Both D. Synchronous but can be used as asynchronous	<i>B</i>
3	What is the purpose of CSS in Full stack development? A. To style and format HTML elements B. To manage http request and response C. To store and retrieve data D. None of the above	<i>C</i>
4	Amongst which of the following is not a NoSQL database used in Full Stack Development? A. MongoDB B. PostgreSQL C. CouchDB D. Hadoop	<i>D</i>



5	<p>In HTML, the <iframe> tag is used to ____.</p> <p>A. Embed another HTML document or a web page within the current document B. Insert a video in the HTML document C. Create a frame in an HTML document D. None of the above</p>	A ✓
6	<p>Which HTML tag is used to create vector graphics and illustrations?</p> <p>A. <canvas> B. <svg> C. <video> D. <details></p>	C ✗
7	<p>In an HTML document, which tag is used to add JavaScript code?</p> <p>A. <javascript> B. <js> C. <script> D. <java></p>	B ✗
8	<p>Which of the following is an array method in JavaScript?</p> <p>A. map B. every C. reduce D. all of the above</p>	B ✗
9	<p>push() function in JavaScript is used to ____.</p> <p>A. Remove an element from the end of an array B. Insert an element at the end of an array C. Both A and B D. Update an element of an array</p>	B ✓
10	<p>The role of view in model-view-controller architecture is ____.</p> <p>A. Displaying data to the user B. Optimize database queries C. Handle client's request D. Manage server-side routing</p>	A ✓



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



Department of Information Technology
Academic Session 2022-23 (ODD Semester)
Free Certification Course
Name of Course - FullStack Web Development
Course Code - IT222303

Assessment Test

Name of the Student: *Yash. S. Shinde*

(* Each Question will carry 1 Mark)

08/10

Que No.	Question	Answer
1	CRUD stands for ____. A. Create, Read, Upload, Delete B. Create, Read, Upgrade, Deploy C. Create, Remove, Upgrade, Delete D. Create, Read, Update, Delete	<i>D ✓</i>
2	Is JavaScript synchronous or asynchronous? A. Synchronous B. Asynchronous C. Both D. Synchronous but can be used as asynchronous	<i>D ✓</i>
3	What is the purpose of CSS in Full stack development? A. To style and format HTML elements B. To manage http request and response C. To store and retrieve data D. None of the above	<i>A ✓</i>
4	Amongst which of the following is not a NoSQL database used in Full Stack Development? A. MongoDB B. PostgreSQL C. CouchDB D. Hadoop	<i>D ✓</i>



5	<p>In HTML, the <iframe> tag is used to ____.</p> <p>A. Embed another HTML document or a web page within the current document B. Insert a video in the HTML document C. Create a frame in an HTML document D. None of the above</p>	B ✗
6	<p>Which HTML tag is used to create vector graphics and illustrations?</p> <p>A. <canvas> B. <svg> C. <video> D. <details></p>	B ✓
7	<p>In an HTML document, which tag is used to add JavaScript code?</p> <p>A. <javascript> B. <js> C. <script> D. <java></p>	C ✓
8	<p>Which of the following is an array method in JavaScript?</p> <p>A. map B. every C. reduce D. all of the above</p>	B ✗
9	<p>push() function in JavaScript is used to ____.</p> <p>A. Remove an element from the end of an array B. Insert an element at the end of an array C. Both A and B D. Update an element of an array</p>	B ✓
10	<p>The role of view in model-view-controller architecture is ____.</p> <p>A. Displaying data to the user B. Optimize database queries C. Handle client's request D. Manage server-side routing</p>	A ✓



5	<p>In HTML, the <iframe> tag is used to ____.</p> <p>A. Embed another HTML document or a web page within the current document B. Insert a video in the HTML document C. Create a frame in an HTML document D. None of the above</p>	A ✓
6	<p>Which HTML tag is used to create vector graphics and illustrations?</p> <p>A. <canvas> B. <svg> C. <video> D. <details></p>	B ✓
7	<p>In an HTML document, which tag is used to add JavaScript code?</p> <p>A. <javascript> B. <js> C. <script> D. <java></p>	C ✓
8	<p>Which of the following is an array method in JavaScript?</p> <p>A. map B. every C. reduce D. all of the above</p>	B ✗
9	<p>push() function in JavaScript is used to ____.</p> <p>A. Remove an element from the end of an array B. Insert an element at the end of an array C. Both A and B D. Update an element of an array</p>	B ✓
10	<p>The role of view in model-view-controller architecture is ____.</p> <p>A. Displaying data to the user B. Optimize database queries C. Handle client's request D. Manage server-side routing</p>	A ✓



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



Department of Information Technology
Academic Session 2022-23 (ODD Semester)
Free Certification Course
Name of Course - FullStack Web Development
Course Code - IT222303

Assessment Test

Name of the Student:

Tanaya S. Thandle

(* Each Question will carry 1 Mark)

67
10
A

Que No.	Question	Answer
1	CRUD stands for ____. A. Create, Read, Upload, Delete B. Create, Read, Upgrade, Deploy C. Create, Remove, Upgrade, Delete D. Create, Read, Update, Delete	D ✓
2	Is JavaScript synchronous or asynchronous? A. Synchronous B. Asynchronous C. Both D. Synchronous but can be used as asynchronous	B ✓
3	What is the purpose of CSS in Full stack development? A. To style and format HTML elements B. To manage http request and response C. To store and retrieve data D. None of the above	C ✓
4	Amongst which of the following is not a NoSQL database used in Full Stack Development? A. MongoDB B. PostgreSQL C. CouchDB D. Hadoop	D ✓



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



Department of Information Technology
Academic Session 2022-23 (ODD Semester)
Free Certification Course
Name of Course - FullStack Web Development
Course Code - IT222303

Assessment Test

Name of the Student: *Harsh Dekate*

(* Each Question will carry 1 Mark)

69
10
5/10

Que No.	Question	Answer
1	CRUD stands for ____. A. Create, Read, Upload, Delete B. Create, Read, Upgrade, Deploy C. Create, Remove, Upgrade, Delete D. Create, Read, Update, Delete	<i>D ✓</i>
2	Is JavaScript synchronous or asynchronous? A. Synchronous B. Asynchronous C. Both D. Synchronous but can be used as asynchronous	<i>D ✓</i>
3	What is the purpose of CSS in Full stack development? A. To style and format HTML elements B. To manage http request and response C. To store and retrieve data D. None of the above	<i>A ✓</i>
4	Amongst which of the following is not a NoSQL database used in Full Stack Development? A. MongoDB B. PostgreSQL C. CouchDB D. Hadoop	<i>D ✓</i>



5	<p>In HTML, the <iframe> tag is used to ____.</p> <p>A. Embed another HTML document or a web page within the current document B. Insert a video in the HTML document C. Create a frame in an HTML document D. None of the above</p>	A ✓
6	<p>Which HTML tag is used to create vector graphics and illustrations?</p> <p>A. <canvas> B. <svg> C. <video> D. <details></p>	A ✗
7	<p>In an HTML document, which tag is used to add JavaScript code?</p> <p>A. <javascript> B. <js> C. <script> D. <java></p>	C ✓
8	<p>Which of the following is an array method in JavaScript?</p> <p>A. map B. every C. reduce D. all of the above</p>	D ✓
9	<p>push() function in JavaScript is used to ____.</p> <p>A. Remove an element from the end of an array B. Insert an element at the end of an array C. Both A and B D. Update an element of an array</p>	B ✓
10	<p>The role of view in model-view-controller architecture is ____.</p> <p>A. Displaying data to the user B. Optimize database queries C. Handle client's request D. Manage server-side routing</p>	A ✓



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in



Department of Information Technology
Academic Session 2022-23 (ODD Semester)
Free Certification Course
Name of Course - FullStack Web Development
Course Code - IT222303

Assessment Test

Name of the Student: *Dipak Chaudhari*

07
10

(* Each Question will carry 1 Mark)

Que No.	Question	Answer
1	CRUD stands for ____. A. Create, Read, Upload, Delete B. Create, Read, Upgrade, Deploy C. Create, Remove, Upgrade, Delete D. Create, Read, Update, Delete	<i>D ✓</i>
2	Is JavaScript synchronous or asynchronous? A. Synchronous B. Asynchronous C. Both D. Synchronous but can be used as asynchronous	<i>D ✓</i>
3	What is the purpose of CSS in Full stack development? A. To style and format HTML elements B. To manage http request and response C. To store and retrieve data D. None of the above	<i>A ✓</i>
4	Amongst which of the following is not a NoSQL database used in Full Stack Development? A. MongoDB B. PostgreSQL C. CouchDB D. Hadoop	<i>D ✓</i>



5	<p>In HTML, the <iframe> tag is used to ____.</p> <p>A. Embed another HTML document or a web page within the current document B. Insert a video in the HTML document C. Create a frame in an HTML document D. None of the above</p>	A ✓
6	<p>Which HTML tag is used to create vector graphics and illustrations?</p> <p>A. <canvas> B. <svg> C. <video> D. <details></p>	B ✓
7	<p>In an HTML document, which tag is used to add JavaScript code?</p> <p>A. <javascript> B. <js> C. <script> D. <java></p>	D ✗
8	<p>Which of the following is an array method in JavaScript?</p> <p>A. map B. every C. reduce D. all of the above</p>	D ✓
9	<p>push() function in JavaScript is used to ____.</p> <p>A. Remove an element from the end of an array B. Insert an element at the end of an array C. Both A and B D. Update an element of an array</p>	D ✗
10	<p>The role of view in model-view-controller architecture is ____.</p> <p>A. Displaying data to the user B. Optimize database queries C. Handle client's request D. Manage server-side routing</p>	D ✗