Course Coordinator Report

Course Name: Introduction to Android Programming

A free Add-On Course for UG students in the Department of Computer Science, Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur, was held from 6 Jan 2023 to 11 March 2023. The course title was "Introduction to Android Programming". This comprehensive beginner to expert course was perfect for anyone who wanted to learn Android programming or enhance their existing skills. Android is the world's most popular mobile operating system, powering millions of devices globally. This course provided the foundation for developing robust and user-friendly Android applications.

In this course, students learned everything about Android Programming, including setting up the development environment, understanding Android architecture, and building simple to complex applications. It was packed full of challenges and exercises to get students writing Android code quickly. The course provided all the necessary tools and knowledge for students to start with Android development. This course was ideal for students interested in the field of mobile app development, providing a solid foundation for creating mobile solutions for various platforms and industries.

At the end of this course, students had the skills and knowledge to develop their own Android applications and were on the path to acquiring more advanced mobile development skills. The course duration was 10 weeks (30 hours). Two theory classes were conducted on Friday and Saturday, and one practical session was held every week. The marking system consisted of 60 marks for the theory paper and 40 marks for practical execution. The theory examination consisted of an MCQ paper with 30 questions, each with four multiple choices. The practical examination was also conducted for 40 marks. All 82 students were present in both the theory and practical examinations. The results were prepared, and certificates were distributed to the students.

VCP

Dr. Varsha C. Pande

Course Coordinator

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College
Congress Nagar, Nagpur

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Shri Shivaji Education Society, Amravati9s
SCIENCE COLLEGE
Congress Nagar, Nagpur-12 (M.S.), India

Accredited with CGPA of 3.51 at 8A+9 grade by NAAC, Bangalore
A <College with Potential for Excellence= identified by UGC New Delhi.
Institutional Member of APQN
Recognized Centre for Higher Learning and Research
Mentor College under 8PARAMARSH Scheme9, UGC, New Delhi

SSES Amravati9s Science College, Congress Nagar, Nagpur-12

DEPARTMENT OF COMPUTER SCIENCE

Session 2022-2023

Free Certificate Course for College Students

Course Title: Certificate Course in Andriod Programming

Duration – 30 Hours (10 Weeks)

Course Start from 06 Jan 2023 to 11 Mar 2023

Course Coordinator: Ms. Varsha C. Pande

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To,
The Principal
SSES Amt's Science College,
Congress Nagar, Nagpur-12

Subject: Permission to conduct the add on courses in the Computer Science department during the session 2022-2023

Respected Sir,

This is to request you that, we wish to conduct the add on courses in Computer Science department these are the certificate courses of thirty hours' time duration.

The details of the courses are submitted here with.

Hence please permit to run the same and oblige me.

Thanking you

Yours sincerely

2/07/2022

Professor & Head
Department of Computer Science
S S E S Amt's Science College
Congress Nagar, Nagpur

Permitted

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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

Date: 19-December-2022

We are excited to announce the commencement of the Android Programming Certificate Coursefor all BCA Students free of cost starting from first week of January at Department of Computer science. This course aims to equip you with the skills and knowledge necessary to develop robust and user-friendly applications for the Android platform.

Course Objectives:

- Understand the fundamentals of Android development.
- Learn how to design intuitive user interfaces using XML layouts.
- Master activity lifecycle management and event handling.
- Gain proficiency in data storage techniques and networking capabilities.
- Explore advanced topics such as background tasks and Fragments.
- Apply learned concepts through hands-on projects and assignments.
- Course Materials:

Please ensure you have access to a computer with Android Studio installed.

Additional resources and materials will be provided during the course.

Course Duration: 10 Weeks (30 Hours)

Eligibility: Open to all students of BCA, Shri Shivaji Education Society Amravati's Science College

Registration: Interested students can register at the Department of Computer Science office on or before**24-Dec-2022.**

Contact Information:
For further details, please contact:

Dr. VarshaC. Pande
Course Coordinator
Phone: 7972664721

VCP

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College,
Congress Nagar, Nagpur

Professor & Head
Department of Computer Science
S.S.E.S. Amt's Science College,
Congress Nagar, Nagpur

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CERTIFICATE COURSE IN ANDROID PROGRAMMING

Free Certificate Course for College Students (BCA)

Session: 2022-23

Duration - 30 Hours (10 Weeks)

Process of Registration- First Come First Served (Limited Seats)

Course Objectives:

- Understand the fundamentals of Android development
- build layouts using XML and Java
- debugging tools and techniques for troubleshooting Android applications.
- to create innovative and interactive Android applications that meet industry standards.
- Foster problem-solving skills by tackling challenges.

course provides a comprehensive introduction to developing applications for the Android platform. Through a combination of theoretical lessons and practical exercises, students will learn the fundamentals of Android development, including user interface design, activity lifecycle management, data storage, and interactivity. The course covers essential topics such as building layouts with XML and Java, handling user input, integrating with external APIs, and debugging applications. Students will gain hands-on experience by working on real-world projects, creating their own Android apps from scratch. By the end of the course, participants will have a solid understanding of Android development principles and be equipped with the skills to build and deploy their own Android applications independently.

Department of Computer Science
SSES Amt's Science College, Congress Nagar, Nagpur

VCP

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Department of Computer Science
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SSES Amravati's Science College, Congress Nagar, Nagpur-12

DEPARTMENT OF COMPUTER SCIENCE

COURSE MODULE AND SYLLABUS

Session 2022-2023

Course Title: Certificate Course in Android Programming

Course Coordinator: Dr. Varsha C. Pande

Course description: *This Android programming course provides a comprehensive introduction to developing applications for the Android platform. Through a combination of theoretical lessons and practical exercises, students will learn the fundamentals of Android development, including user interface design, activity lifecycle management, data storage, and interactivity. The course covers essential topics such as building layouts with XML and Java, handling user input, integrating with external APIs, and debugging applications. Students will gain hands-on experience by working on real-world projects, creating their own Android apps from scratch. By the end of the course, participants will have a solid understanding of Android development principles and be equipped with the skills to build and deploy their own Android applications independently.*

Course Objectives:

The objective of this Android programming course is to equip participants with the knowledge and skills necessary to develop robust and user-friendly applications for the Android platform. By the end of the course, students will:

- Understand the fundamentals of Android development, including UI design and activity lifecycle management.
- Learn how to build layouts using XML and Java, and handle user input effectively.
- Gain proficiency in data storage techniques and integration with external APIs.
- Develop a strong understanding of debugging tools and techniques for troubleshooting Android applications.
- Acquire hands-on experience through practical exercises and real-world projects.
- Cultivate the ability to create innovative and interactive Android applications that meet industry standards.
- Foster problem-solving skills by tackling challenges commonly encountered in Android development.
- Prepare for further exploration and specialization in advanced Android topics or related fields.
- Gain confidence in independently developing, testing, and deploying Android applications for various purposes and audiences.

Instructional Strategies: Theory class, Practical, Video clips.

Evaluation Strategies: Oral discussions and Final MCQ examination.

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Course outline: Course Outlines: (Relevance)

Module 1: Introduction to Android Development

Overview of Android platform
Setting up development environment
Introduction to Android Studio IDE
Creating first Android project
Understanding project structure

Module 2: User Interface Design

Basics of UI design in Android
Working with layouts and views
Designing user interfaces using XML
Implementing responsive layouts
Handling different screen sizes and densities

Module 3: Activity Lifecycle Management

Understanding the lifecycle of an Android activity
Managing activity state transitions
Implementing lifecycle callbacks
Handling configuration changes

Module 4: User Interaction

Capturing user input with EditText, Button, and other UI elements
Responding to user interactions
Implementing event listeners
Handling touch events

Module 5: Data Storage

Introduction to data storage options in Android
Working with SharedPreferences for simple data storage
Using SQLite databases for structured data storage
Implementing CRUD operations with SQLite

Module 6: Networking and Integration

Making network requests using HTTP libraries
Parsing JSON and XML data
Integrating with external APIs
Handling network security and permissions

Module 7: Debugging and Testing

Overview of debugging tools in Android Studio
Debugging techniques for identifying and fixing errors
Unit testing basics for Android applications
Testing user interfaces and functionality

Module 8: Advanced Topics

Implementing background tasks with Async Task and other techniques
Working with Fragments for flexible UI design
Exploring Material Design principles
Implementing animations and transitions

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Module 9: Project Work

Applying learned concepts to develop real-world Android applications
Working on individual and group projects
Applying best practices in design, development, and testing

Module 10: Deployment and Distribution

Generating signed APKs for release
Publishing apps to the Google Play Store
App optimization for performance and user experience
Understanding app distribution channels and strategies

Note: The course outline is subject to adjustment based on the pace of learning and specific needs of the participants.

Course Outcomes (COs):

By completing this course, participants will be able to:

- Develop Android applications from scratch, leveraging the Android Studio IDE and relevant SDKs.
  Design intuitive and visually appealing user interfaces using XML layouts and Android UI components.
- Manage the lifecycle of Android activities effectively, ensuring smooth transitions and efficient resource management.
- Capture and handle user input seamlessly, implementing event listeners and touch event handlers.
  Store and retrieve data using Shared Preferences for simple data storage and SQLite databases for structured data.
- Integrate networking capabilities into Android applications, making network requests and parsing JSON/XML data.
- Debug and test Android applications using built-in tools and techniques, ensuring robustness and reliability.
- Implement advanced features such as background tasks, Fragments, and Material Design principles to enhance application functionality and user experience.
- Apply learned concepts to develop real-world Android applications, demonstrating proficiency in design, development, and testing.
- Deploy Android applications to the Google Play Store, following best practices for optimization, distribution, and user engagement.
- Overall, participants will acquire the skills and knowledge necessary to build high-quality Android applications independently, preparing them for careers in mobile app development or further specialization in Android development.

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Duration of course: Ten weeks (30 Hours)

The Structure of Syllabus and System of evaluation -

Course	Theory Papers and Practical	Total Marks	
		Theory	Practical
Certificate Course in Android Programming	Theory paper- Android Programming * Theory examination will be of MCQ pattern having 30 questions each with equal marks.	60	40
	* Practical examination will be based on folder and performance evaluation in the laboratory	100	

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Department of Computer Science
S.S.E.S. Amt's Science College
Congress Nagar, Nagpur

Internal Quality Assurance Cell
(IQAC)
S. S. E. S. A. Science College
Congress Nagar, Nagpur.

Principal
S. S. E. S. Amravati's
Science College, Nagpur.

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SYLLABUS

Certificate course (10 weeks)

Theory

Unit 1: Introduction to Android Development

Overview of the Android platform, Setting up development environment (Android Studio, SDK installation), Creating first Android project, Understanding project structure and components Basics of UI design with XML layouts, Handling user input and basic event handling.

Unit 2: Core Concepts and Data Management

Activity lifecycle management, Working with views and view groups, Implementing responsive layouts and handling screen sizes, Data storage options in Android (SharedPreferences, SQLite databases), Integrating networking capabilities (HTTP requests, JSON parsing), Debugging and testing Android applications

Unit 3: Advanced Topics and Project Work

Implementing background tasks and services, Working with Fragments for flexible UI design, Introduction to Material Design principles, Animations and transitions in Android applications, Project-based learning: Applying learned concepts to develop real-world Android applications, Deployment and distribution of Android applications to the Google Play Store,

Note: Each unit will include theoretical lectures, hands-on coding exercises, and project assignments to reinforce learning objectives. The syllabus is subject to adjustment based on the pace of learning and specific needs of the participants.

PRACTICAL:

Practical List for Android Programming Course

Unit 1: Introduction to Android Development

- Setting up Android Studio and SDK on your computer.
- Creating a basic "Hello World" Android application.
- Exploring the project structure in Android Studio.
- Designing a simple user interface using XML layouts.
- Implementing basic event handling for user interactions.

Unit 2: Core Concepts and Data Management

- Managing activity lifecycle: Implementing lifecycle callbacks.
- Creating responsive layouts for various screen sizes and orientations.
- Storing and retrieving data using SharedPreferences.
- Working with SQLite databases to perform CRUD operations.
- Making network requests using HTTP libraries and parsing JSON data.

Unit 3: Advanced Topics and Project Work

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- Implementing background tasks using AsyncTask or other techniques.
- Designing UIs with Fragments for modularization and flexibility.
- Applying Material Design principles to enhance UI aesthetics and user experience.
- Adding animations and transitions to improve app interactivity.
- Project-based assignments: Developing real-world Android applications, incorporating learned concepts and best practices.
- Deploying and distributing Android applications to the Google Play Store.

Throughout the course, participants will engage in hands-on coding exercises, individual and group projects, and practical assignments to reinforce theoretical concepts and develop practical skills in Android application development.

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Week-wise teaching plan:

Week	Hrs.	Syllabus
Week 1	1	Overview of the Android platform
	1	Setting up development environment (Android Studio, SDK installation)
	1	Creating first Android project
Week 2	1	Understanding project structure
	2	Understanding project components Basics of UI design with XML layouts,
Week 3	1	Handling user input
	2	basic event handling.
Week 4	1	Core Concepts and Data Management: Activity lifecycle management
	2	Working with views and view groups
Week 5	1	Implementing responsive layouts and handling screen sizes
	2	Data storage options in Android (Shared Preferences, SQLite databases)
Week 6	1	Integrating networking capabilities (HTTP requests, JSON parsing)
	2	Debugging and testing Android applications
Week 7	1	Advanced Topics and Project Work:
	2	Implementing background tasks and services
Week 8	1	Working with Fragments for flexible UI design,
	2	Introduction to Material Design principles
Week 9	1	Animations and transitions in Android applications
	2	Project-based learning: Applying learned concepts to develop real-world Android applications,
Week 10	1	Deployment and distribution of Android applications to the Google Play Store
	2	Deployment and distribution of Android applications to the Google Play Store

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SSES AMT'S SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR-12

Certificate Course in **Android Programming**
SESSION 2022-2023

Time Table

Day	Theory
Friday	VCP (B12) Theory 4.00 PM – 5.00 PM
Saturday	VCP (BCA LAB) practical, 4.00 PM – 5.00 PM
	VCP (B12) Theory, 5.00 PM – 6.00 PM

VCP

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College,
Congress Nagar, Nagpur

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22 - 23

BCA

Course Name :- Anckoid Programming

1.) Aakansha Manik Malwar — A Malwar
2) Abhay Kapurchand Baghele — Baghele
3) Dipali Gangadhar Singade — Dipali
4) ~~Anuja Vilas~~
5) Anuja Vilas Masalkar — A.V. Masalkar
6) Aanchal Ashwani Yadav — Ayadav
7) Ayas Jahid Pathan — A. Pathan
8) Aaysuh Ruplal Gour — A Gour
9) Pranay Sanjay Manapure — P Manapure.
10) Yashshree Vidyadhar Chiplankar. — Ych
11) Manashri Arvind Mandiye — M Ra
12) Toshik Santosh Dahikar — T. Dahi
13) Vaibhavi D. Chatur — Vau.
14) ANSH M. PIMPLE — ANS.
15) Sampriti A. Ganver — S Ganver
16) Riya L. Parate, — R Par.
17) Mahima R. Bhasmate — M Bhasmate
18) Archi Khandelwal — A Khandelwal
19) Bhairavi Thakre — B Thakre
20) Jayesh Va Akarte — Jay
21) Arya Pramod Khasbage — Arya.
21) Suraj Raoji Tulavi — Suraj
22) Prutha P. Gomkale — Prutha
23) Devashish S. Tambhare — Devashish
24) Yesh R. Watekar — Yesh

25) TUSHAR KISHOR LATARE — Tu
26) Kalash S. Gondule — Kalsh.
27) Samiksha S. Kharbade — SKharbade.
28) Leen M. Yenkar — L Yenkar
29) Krunal Ajay Kahite — KK
30) Karina P. Atrahe. — Katrahe.
31) Samiksha R. Mahajan — S Mahajan
32) Aishwarya S. Sonule — A. Sonule
33) Anushree P. Wath — Awath
34) Arpita G. Khavaskar — Appu
35) Ayushi Y. Padole — Padole
36) Chanchal chanap — Cc
37) Khomeshwar R. Desmukh — K Desmukh
38) Anisha A. Jamgade — Ajamgade
39) Suchit V. Shende — S. Shende
40) Ashwin A. Tembhare — Ashwin
41) Jash Raikwar — Jashmp
42) Ayush R. Dubey — AR
43) DARSHAN S. JOGI — D.S Jogi
44) Ayush B. Pawar — A pawar
45) Vedant N. Parate — VNP
46) Shruti S. Raut — SSR
47) Anshu G. Yekude — A Yekude
48) Darshan Kamble — D Kamble
49) Eknath V. Kapse — E. Kapse
50) Atharva Vairagade — Apv
51) Sukanya Balkrishna Mohale — SB Mohale
52) Chetan Khadse — Chetan
53) Paritosh P. Barai — P. Barai
54) Bhavika A. Raut — Bhavika

55) Dhanashri Vijaykumar Chitlange. — Chitlange.
56) Gulshan K. Sharma — GKSharma.
57) ~~Archi Ashok~~ Himdevi S Thakre — H.Thakre.
58) Kalyani S. Mendhe. — K Mendhe.
59) Laxmi R. Rahangdale. — L.Rahangdale.
60) Madhav Sunil Sakhankar — M. Sakhankar.
61) Pooja T. Samarth — P.Samarth.
62) Pranay Sanjay Sadanpawar — P.Sadanpawar
63) Prathamesh P. Paunikar — P. Paunikar.
64) Salomi S. Bandebache. — S.Bandebache.
65) Samiksha R. Mahajan — Mahajan.
66) Shruti J. Shivankar — S.Shivankar
67) Aaditi S. Paliwal — A
68) Ashlesha D. Dhokne — D.P.Dhokne.
69) Samruddhi V. Bhiwgade. — ~~Bhiwgade~~
70) Sana Bano Shahid Siddiqui — S.
71) Siddhi C. Kohad — S. Kohad,
72) Sneha M. Thakur — S.Thakur.
73) Vaishnavi A. Wagh — V.wagh
74) Vedika Mohod — V.mohod
75) Lalit. P. Lakade. — L. Lakade
76) Uditanshu S. Shaniware. — U.Shaniware
80) Mahesh L. Kagale. — M.Kagale.
81) Akanksha D. Shende. — ~~AS~~
82) Nikesh A. Mahamune. — A. Mahamune.
83) Archana T. Shanmagde. — ~~AS~~.
84) Purvasha M. Muley — P.Muley

VCP

Professor & Head
Department of Computer Science
S S E S Amt's Science College,
Congress Nagar Nagpur

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College.

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SSES Amravati's Science College, Congress Nagar, Nagpur-12DEPARTMENT OF COMPUTER SCIENCE

Certificate course (10 weeks)

(Android Programming)

Students Registration List

Session 2022-2023

Sr. No.	Student Name
1	Aakansha Manik Malewar
2	Aanchal Ashwani Yadav
3	AaysuhRuplal Gour
4	Abhay KapurchandBaghele
5	Anuja Vilas Masalkar
6	Anushree Pravin Wath
7	Archi Ashok Khandelwal
8	Arpita Govind Khavaskar
9	Ayas Jahid Pathan
10	Bhairavi Gajanan Thakare
11	Bhavika Anil Raut
12	Chanchal Anil Chanap
13	Chetan Gunwantarao Khadse
14	Darshan Sunil Jogi
15	Dhanashri Vijaykumar Chitlange
16	Dipali Gangadhar Singade
17	Gulshan Kumar Prem Sharma
18	Himdevi Sanjay Thakre
19	Jayesh Vishwambhar Akarte
20	Kalyani Sudhakar Mendhe
21	Laxmi Rajeshkumar Rahangdale
22	Madhav Sunil Sakharkar
23	Manshri Arvind Mandiye
24	Minakshi Dhanvant Shiwankar
25	Paritosh Prakash Barai
26	Pooja Tarachand Samarth
27	Pranav Sanjay Manapure
28	Pranay Sanjay Sadanpawar
29	Pratham Prashant Paunikar
30	Saloni Sunil Bandebuche
31	Samiksha Ramesh Mahajan
32	Shruti Jayant Shivankar
33	Suchit Vivek Shende
34	Sukanya BalkrushnaMoharle
35	Suraj RaojiTulavi
36	Yash Milind Raikwar
37	Yashshree Vidyadhar Chiplunkar
38	AaditiSubhashPaliwal

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39	AishwaryaSheshraoSonule
40	AnamikaMahendraShukla
41	AnishaAshwinJamgade
42	AryaPromodKhasbage
43	AshleshaDevidasDhokne
44	Ayushi YogeshPadole
45	PruthaPravinGomkale
46	PurvashaMangeshMuley
47	RiyaLaxmanParate
48	SamikshaSatishKharbade
49	SampritiAsurajGanvir
50	SamruddhiVinodBhiwgade
51	SanaBanoShahidAhemadSiddiqui
52	ShrutiSubhashRaut
53	SiddhiChandrashekharKohad
54	SnehaMahendrasinghThakur
55	VaibhaviDevidasChatur
56	VaishnaviAshokraoWagh
57	VedikaVasantMohod
58	AshwinAnilTembhare
59	AtharvPramod Vairagade
60	KhomeshwarRajeshDeshmukh
61	LalitDhanrajLakade
62	MaheshLaxmanraoKajale
63	ToshikSantoshDahikar
64	TusharKishorLatare
65	UditanshuSanjay Shaniware
66	VedantNarendraParate
67	YashRajabhauWatekar
68	Akanksha Ajaykumar Shende
69	Alkesh Arun Mahamune
70	Ansh Mohan Pimple
71	Anshu Gunwant Yekude
72	Archana TejramSharnagate
73	Ayush Baban Pawar
74	Ayush Rajesh Dubey
75	Darshan Sudesh Kamble
76	Devashish SantoshkumarTembhare
77	Eknath Vijay Kapse
78	Kalash SukramGondhule
79	Karina Parasram Atrahe
80	Krunal Ajay Kuhite
81	Leena Murlidhar Yenkar
82	Mahima Rajendra Bhasmote

VCP

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College,
Congress Nagar, Nagpur

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Subject:
Theory/Practical:

Shri Shivaji Education Society Amravati's
Science College, Nagpur
Attendance Sheet

Course: Android Programming
Name of the Teacher: Dr. V. C. Pande
Month: feb - 2022 - mar 2022

Sr. No.	Roll No.	Name of Students	Periods → / Date → / Contact No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total			
																					Current Month		Progressive Month	
																					Deli	Att	Deli	Att
1.	BCA III	Aakansha Manik Malewar		P	A	P	P	P	P	P	P	P	P											
2.	BCA III	Aanchal Ashwani Yadav		P	P	P	.	P	P	P	P	P	P											
3.	BCA III	Aaysuh Ruplal Gour		P	P	P	.	P	P	P	P	.	.											
4.	BCA III	Abhay Kapurchand Baghele		P	P	.	P	P	P	P	P	P	P											
5.	BCA III	Anuja Vilas Masalkar		P	P	P	.	P	P	P	P	.	.											
6.	BCA III	Anushree Pravin Wath		P	P	P	.	P	P	P	P	P	P											
7.	BCA III	Archi Ashok Khandelwal		P	P	.	P	P	P	P	P	P	P											
8.	BCA III	Arpita Govind Khavaskar		P	P	P	P	.	P	P	P	.	.											
9.	BCA III	Ayas Jahid Pathan		.	P	P	P	P	P	P	.	P	P											
10.	BCA III	Bhairavi Gajanan Thakare		.	P	P	P	P	P	P	P	P	P											
11.	BCA III	Bhavika Anil Raut		P	.	P	P	P	P	P	P	P	P											
12.	BCA III	Chanchal Anil Chanap		P	P	P	P	.	P	P	P	P	P											
13.	BCA III	Chetan Gunwantarao Khadse		P	P	P	P	P	.	.	P	P	P											
14.	BCA III	Darshan Sunil Jogi		P	P	P	P	.	P	P	P	.	.											
15.	BCA III	Dhanashri Vijaykumar Chitlange		P	P	.	P	P	P	P	.	P	P											
16.	BCA III	Dipali Gangadhar Singade		.	P	P	P	P	P	P	P	.	.											
17.	BCA III	Gulshan Kumar Prem Sharma		P	.	P	P	P	P	P	.	P	P											
18.	BCA III	Himdevi Sanjay Thakre		P	P	P	.	P	P	P	P	P	P											
19.	BCA III	Jayesh Vishwambhar Akarte		P	P	P	P	.	P	P	P	P	P											
20.	BCA III	Kalyani Sudhakar Mendhe		P	.	P	P	P	P	P	P	P	P											
21.	BCA III	Laxmi Rajeshkumar Rahangdale		P	.	P	P	P	P	P	P	P	P											
22.	BCA III	Madhav Sunil Sakharkar		P	P	P	P	.	P	P	P	P	P											
23.	BCA III	Manshri Arvind Mandiye		.	P	P	P	P	P	P	P	P	P											
24.	BCA III	Minakshi Dhanvant Shiwankar		.	P	P	P	P	.	.	P	P	P											
25.	BCA III	Paritosh Prakash Barai		.	P	P	P	P	P	P	P	P	P											
26.	BCA III	Pooja Tarachand Samarth		P	.	P	P	P	P	P	P	.	.											
27.	BCA III	Pranav Sanjay Manapure		P	.	P	P	P	P	P	P	P	P											
28.	BCA III	Pranay Sanjay Sadanpawar		P	P	P	P	.	P	P	P	P	P											
29.	BCA III	Pratham Prashant Paunikar		P	P	P	.	P	P	P	P	P	P											
30.	BCA III	Saloni Sunil Bandebuche		P	P	.	P	P	P	P	P	P	P											
31.	BCA III	Samiksha Ramesh Mahajan		P	P	P	P	.	P	P	P	P	.											
32.	BCA III	Shruti Jayant Shivankar		P	P	P	.	P	.	.	P	P	P											

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	BCA III	Suchit Vivek Shende																				
54.	BCA III	Sukanya Balkrushna Moharle																				
55.	BCA III	Suraj Raoji Tulavi																				
56.	BCA III	Yash Milind Raikwar																				
57.	BCA III	Yashshree Vidyadhar Chiplunkar																				
58.	BCA II	Aaditi Subhash Paliwal																				
59.	BCA II	Aishwarya Sheshrao Sonule																				
60.	BCA II	Anamika Mahendra Shukla																				
61.	BCA II	Anisha Ashwin Jamgade																				
62.	BCA II	Arya Promod Khasbage																				
63.	BCA II	Ashlesha Devidas Dhokne																				
64.	BCA II	Ayushi Yogesh Padole																				
65.	BCA II	Prutha Pravin Gomkale																				
66.	BCA II	Purvasha Mangesh Muley																				
67.	BCA II	Riya Laxman Parate																				
68.	BCA II	Samiksha Satish Kharbade																				
69.	BCA II	Sampriti Asuraj Ganvir																				
70.	BCA II	Samruddhi Vinod Bhiwgade																				
71.	BCA II	Sana Bano Shahid Ahemad Siddiqui																				
72.	BCA II	Shruti Subhash Raut																				
73.	BCA II	Siddhi Chandrashekhar Kohad																				
74.	BCA II	Sneha Mahendrasingh Thakur																				
75.	BCA II	Vaibhavi Devidas Chatur																				
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77.	BCA II	Vedika Vasant Mohod																				
78.	BCA II	Ashwin Anil Tembhare																				
79.	BCA II	Atharv Pramod Vairagade																				
80.	BCA II	Khomeshwar Rajesh Deshmukh																				
81.	BCA II	Lalit Dhanraj Lakade																				
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87.	BCA II	Yash Rajabhau Watekar																				
88.	BCA I	Akanksha Ajaykumar Shende																				
89.	BCA I	Alkesh Arun Mahamune																				
90.	BCA I	Ansh Mohan Pimple																				
91.	BCA I	Anshu Gunwant Yekude																				
92.	BCA I	Archana Tejram Sharnagate																				
93.	BCA I	Ayush Baban Pawar																				
94.	BCA I	Ayush Rajesh Dubey																				

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	BCA I	Darshan Sudesh Kamble		P	P	·	P	P	P	P	P	·	P										
5.	BCA I	Devashish Santoshkumar Tembhare		·	P	P	P	P	P	P	P	P	P										
7.	BCA I	Eknath Vijay Kapse		·	P	P	·	P	P	P	P	P	·	·										
8.	BCA I	Kalash Sukram Gondhule		P	·	P	P	P	P	P	P	P	P	P										
9.	BCA I	Karina Parasram Atrahe		P	P	P	P	·	P	P	P	P	P	P										
0.	BCA I	Krunal Ajay Kuhite		P	P	P	·	P	P	P		P	P	P										
.	BCA I	Leena Murlidhar Yenkar		P	P	P	P	·	P	P	·	P	P	P										
2.	BCA I	Mahima Rajendra Bhasmote		P	P	P	P	·	P	P	P	P	P	P										

Teacher

Head of Department

Professor & Head
Department of Computer Science
S.S.E.S. Amt's Science College.
Congress Nagar, Nagpur

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Subject:
Theory/Practical:

Shri Shivaji Education Society Amravati's
Science College, Nagpur
Attendance Sheet

Course: Android Programming
Name of the Teacher: Dr. V. C. Pande
Month: Jan - 2022 to Feb - 2022

S. N.	Roll No.	Name of Students	Contact No.	Periods → / Date →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total			
					7/01/22	8/01/22	8/01/22	14/01/22	15/01/22	15/01/22	21/01/22	22/01/22	22/01/22	28/01/22	29/01/22	29/01/22	4/02/22	05/02/22	5/02/22	11/02/22	12/02/22	Current Month		Progressive Month	
																						Deli	Att	Deli	Att
1.	BCA III	Aakansha Manik Malewar			P	P	P	P	P	P	P	P	P	o	P	P	P	P	P	P	P				
2.	BCA III	Aanchal Ashwani Yadav			.	P	P	P	P	P	P	P	P	o	P	P	P	P	P	P	P				
3.	BCA III	Aaysuh Ruplal Gour			P	P	P	.	.	.	P	P	P	P	P	P	P	.	.	P	P				
4.	BCA III	Abhay Kapurchand Baghele			P	P	P	P	P	P	P	P	P	A	.	.	P	P	P	P	P				
5.	BCA III	Anuja Vilas Masalkar			P	.	.	P	P	P	P	P	P	P	P	P	.	P	P	P	P				
6.	BCA III	Anushree Pravin Wath			.	.	.	1	P	P	P	P	P	P	P	P	P	P	P	.	P				
7.	BCA III	Archi Ashok Khandelwal			.	P	P	.	P	P	P	P	P	P	P	P	P	P	P	.	P				
8.	BCA III	Arpita Govind Khavaskar			P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P				
9.	BCA III	Ayas Jahid Pathan			.	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	.				
10.	BCA III	Bhairavi Gajanan Thakare			.	P	P	.	P	P	.	P	P	P	P	P	P	.	.	P	.				
11.	BCA III	Bhavika Anil Raut			P	P	P	.	.	.	P	P	P	P	P	P	P	P	P	P	P				
12.	BCA III	Chanchal Anil Chanap			P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P				
13.	BCA III	Chetan Gunwantarao Khadse			'	P	P	P	.	.	P	P	P	P	P	P	P	.	.	P	P				
14.	BCA III	Darshan Sunil Jogi			.	.	.	P	P	P	P	P	P	P	.	.	P	P	P	P	P				
15.	BCA III	Dhanashri Vijaykumar Chitlange			P	P	P	P	.	.	P	P	P	P	P	P	P	P	P	P	P				
16.	BCA III	Dipali Gangadhar Singade			.	P	P	P	P	P	P	.	.	.	P	P	P	P	P	P	.				
17.	BCA III	Gulshan Kumar Prem Sharma			P	P	P	P	P	P	.	P	P	P	P	P	P	.	.	P	P				
18.	BCA III	Himdevi Sanjay Thakre			P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	.	P				
19.	BCA III	Jayesh Vishwambhar Akarte			P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	.	P				
20.	BCA III	Kalyani Sudhakar Mendhe			P	P	P	P	P	P	P	P	P	P	.	-	P	P	P	P	P				
21.	BCA III	Laxmi Rajeshkumar Rahangdale			.		.	P	P	P	P	P	P	P	P	P	P	.	.	P	P				
22.	BCA III	Madhav Sunil Sakharkar			P	P	P	P	P	P	P	P	P	.	.	.	P	P	P	P	P				
23.	BCA III	Manshri Arvind Mandiye			P	P	P	P	.	.	P	P	P	P	P	P	P	P	P	P	.				
24.	BCA III	Minakshi Dhanvant Shiwankar			P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P	.				
25.	BCA III	Paritosh Prakash Barai			P	P	P	.	P	P	P	.	.	P	P	P	P	P	P	P	.				
26.	BCA III	Pooja Tarachand Samarth			.	P	P	.	P	P	P	.	.	P	P	P	P	.	.	P	P				
27.	BCA III	Pranav Sanjay Manapure			.	P	P	P	P	P	P	P	P	.	P	P	P	P	P	P	P				
28.	BCA III	Pranay Sanjay Sadanpawar			P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
29	BCA III	Pratham Prashant Paunikar			P	P	P	P	P	P	P	:	:	P	P	P	P	P	P	P	P				

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30.	BCA III	Saloni Sunil Bandebuche
31.	BCA III	Samiksha Ramesh Mahajan
32.	BCA III	Shruti Jayant Shivankar
33.	BCA III	Suchit Vivek Shende
34.	BCA III	Sukanya Balkrushna Moharle
35.	BCA III	Suraj Raoji Tulavi
36.	BCA III	Yash Milind Raikwar
37.	BCA III	Yashshree Vidyadhar Chiplunkar
38.	BCA II	Aaditi Subhash Paliwal
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40.	BCA II	Anamika Mahendra Shukla
41.	BCA II	Anisha Ashwin Jamgade
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64.	BCA II	Tushar Kishor Latare
65.	BCA II	Uditanshu Sanjay Shaniware
66.	BCA II	Vedant Narendra Parate
67.	BCA II	Yash Rajabhau Watekar

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68.	BCA I	Akanksha Ajaykumar Shende		P	P	P	P	P	P	P	·	·	P	P	P	P	P	P	P					
69.	BCA I	Alkesh Arun Mahamune		·	P	P	P	P	P	P	P	P	·	P	P	P	P	P	P					
70.	BCA I	Ansh Mohan Pimple		P	·	·	P	P	P	P	P	P	P	P	P	P	P	·	P					
71.	BCA I	Anshu Gunwant Yekude		P	P	P	P	·	·	P	P	P	P	P	P	P	P	·	P					
72.	BCA I	Archana Tejram Sharnagate		P	·	·	P	P	P	P	P	P	P	P	·	·	P	P	P	·					
73.	BCA I	Ayush Baban Pawar		P	P	P	P	ı	·	P	P	P	P	P	P	P	P	P	P	P					
74.	BCA I	Ayush Rajesh Dubey		P	P	P	P	P	P	·	P	P	P	P	P	P	P	P	·	P					
75.	BCA I	Darshan Sudesh Kamble		·	P	P	P	P	P	P	P	P	P	P	·	·	P	P	P	P					
76.	BCA I	Devashish Santoshkumar Tembhare		·	P	P	P	P	P	P	P	P	P	P	P	P	P	P	·					
77.	BCA I	Eknath Vijay Kapse		P	P	P	P	·	·	P	P	P	·	P	P	P	P	P	·					
78.	BCA I	Kalash Sukram Gondhule		P	P	P	P	P	P	P	·	·	P	P	P	P	P	P	P					
79.	BCA I	Karina Parasram Atrahe		P	P	P	P	·	·	P	P	P	P	P	P	P	P	·	P					
80.	BCA I	Krunal Ajay Kuhite		P	P	P	P	P	P	·	P	P	P	P	P	P	P	P	P	P					
81.	BCA I	Leena Murlidhar Yenkar		P	P	P	P	P	P	P	·	·	P	P	P	P	P	P	P	P					
82.	BCA I	Mahima Rajendra Bhasmote		P	P	P	P	P	P	P	·	·	P	·	·	P	P	P	P						

Teacher

Head of Department

Professor & Head
Department of Computer Science
S S E S. Amt's Science College
Congress Nagar Nagpur

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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR

Certified Course on **Network Security**

Announcement of Theory and Practical Examination Dates forNetwork Security Certificate Course

NOTICE

Date: 11-March-2023

This is to inform all students enrolled in the Certificate Course on Android Programming that the dates for the Theory and Practical Examinations have been scheduled as follows:

Theory Examination:

- Date: **-17-March-2023**

- Time: 04:00 pm

- Venue: Room No B12

Practical Examination:

- Date: **18-March-2023**

- Time: 04:00 pm

- Venue: BCA Lab, 3rd Floor

All students are required to be present at the examination venue at least 15 minutes before the scheduled time. Please ensure you bring your college ID card and any other necessary materials.

For any further queries, please contact the Department of Computer Science office.

Dr. Varsha C. Pande

Course Co-ordinator

VCP

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College.
Congress Nagar, Nagpur

Professor & Head
Department of Computer Science
S S E S Amt s Science College
Congress Nagar Nagpur

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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.

Certified Course in Android Programming
Test Examination 2022-23
Attendance Sheet

Date: 17th March 2023

Sr. No.	Roll Number	Name Of Student	Signature of Student
1	1001	Aakansha Manik Malewar	Amalewar
2	1002	Aanchal Ashwani Yadav	Aajadav
3	1003	Aaysuh Ruplal Gour	Gour
4	1004	Abhay Kapurchand Baghele	Baghele.
5	1005	Anuja Vilas Masalkar	A.V.Masalkar
6	1006	Anushree Pravin Wath	Awath
7	1007	Archi Ashok Khandelwal	AKhandelwal
8	1008	Arpita Govind Khavaskar	Appu
9	1009	Ayas Jahid Pathan	A.Pathan
10	1010	Bhairavi Gajanan Thakare	BThakare
11	1011	Bhavika Anil Raut	Bhavika
12	1012	Chanchal Anil Chanap	ABSENT
13	1013	Chetan Gunwantarao Khadse	chetan
14	1014	Darshan Sunil Jogi	D.S.Jogi
15	1015	Dhanashri Vijaykumar Chitlange	DChitlange,
16	1016	Dipali Gangadhar Singade	Dipali
17	1017	Gulshan Kumar Prem Sharma	GSharma.
18	1018	Himdevi Sanjay Thakre	H.Thakre,
19	1019	Jayesh Vishwambhar Akarte	Jaw.
20	1020	Kalyani Sudhakar Mendhe	KMendhe

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21	1021	Laxmi Rajeshkumar Rahangdale	
22	1022	Madhav Sunil Sakharkar	
23	1023	Manshri Arvind Mandiye	
24	1024	Minakshi Dhanvant Shiwankar	
25	1025	Paritosh Prakash Barai	
26	1026	Pooja Tarachand Samarth	
27	1027	Pranav Sanjay Manapure	
28	1028	Pranay Sanjay Sadanpawar	
29	1029	Pratham Prashant Paunikar	
30	1030	Saloni Sunil Bandebuche	
31	1031	Samiksha Ramesh Mahajan	
32	1032	Shruti Jayant Shivankar	
33	1033	Suchit Vivek Shende	
34	1034	Sukanya Balkrushna Moharle	
35	1035	Suraj Raoji Tulavi	
36	1036	Yash Milind Raikwar	
37	1037	Yashshree Vidyadhar Chiplunkar	
38	1038	Aaditi Subhash Paliwal	
39	1039	Aishwarya Sheshrao Sonule	
40	1040	Anamika Mahendra Shukla	ABSENT
41	1041	Anisha Ashwin Jamgade	
42	1042	Arya Promod Khasbage	
43	1043	Ashlesha Devidas Dhokne	
44	1044	Ayushi Yogesh Padole	
45	1045	Prutha Pravin Gomkale	
46	1046	Purvasha Mangesh Muley	

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47	1047	Riya Laxman Parate	
48	1048	Samiksha Satish Kharbade	
49	1049	Sampriti Asuraj Ganvir	
50	1050	Samruddhi Vinod Bhiwgade	
51	1051	Sana Bano Shahid Ahemad Siddiqui	
52	1052	Shruti Subhash Raut	
53	1053	Siddhi Chandrashekhar Kohad	
54	1054	Sneha Mahendrasingh Thakur	
55	1055	Vaibhavi Devidas Chatur	
56	1056	Vaishnavi Ashokrao Wagh	
57	1057	Vedika Vasant Mohod	
58	1058	Ashwin Anil Tembhare	
59	1059	Atharv Pramod Vairagade	
60	1060	Khomeshwar Rajesh Deshmukh	
61	1061	Lalit Dhanraj Lakade	
62	1062	Mahesh Laxmanrao Kajale	
63	1063	Toshik Santosh Dahikar	
64	1064	Tushar Kishor Latare	
65	1065	Uditanshu Sanjay Shaniware	
66	1066	Vedant Narendra Parate	
67	1067	Yash Rajabhau Watekar	
68	1068	Akanksha Ajaykumar Shende	
69	1069	Alkesh Arun Mahamune	
70	1070	Ansh Mohan Pimple	
71	1071	Anshu Gunwant Yekude	

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72	1072	Archana Tejram Sharnagate	
73	1073	Ayush Baban Pawar	
74	1074	Ayush Rajesh Dubey	
75	1075	Darshan Sudesh Kamble	
76	1076	Devashish Santoshkumar Tembhare	
77	1077	Eknath Vijay Kapse	
78	1078	Kalash Sukram Gondhule	
79	1079	Karina Parasram Atrahe	
80	1080	Krunal Ajay Kuhite	
81	1081	Leena Murlidhar Yenkar	
82	1082	Mahima Rajendra Bhasmote	

Assistant Professor
Department of Computer Science
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Congress Nagar, Nagpur

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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.

Certified Course in Android Programming
Practical Examination 2022-23
Attendance Sheet

Date: 18th March 2023

Sr. No.	Roll Number	Name Of Student	Signature of Student
1	1001	Aakansha Manik Malewar	A Malewar
2	1002	Aanchal Ashwani Yadav	Ayadav
3	1003	Aaysuh Ruplal Gour	Gour
4	1004	Abhay Kapurchand Baghele	ABaghele
5	1005	Anuja Vilas Masalkar	A.V.Masalkar
6	1006	Anushree Pravin Wath	Awath
7	1007	Archi Ashok Khandelwal	Akandwal
8	1008	Arpita Govind Khavaskar	Appu
9	1009	Ayas Jahid Pathan	A.Pathan
10	1010	Bhairavi Gajanan Thakare	Bthakare
11	1011	Bhavika Anil Raut	Bhavika
12	1012	Chanchal Anil Chanap	ABSENT
13	1013	Chetan Gunwantarao Khadse	chetan
14	1014	Darshan Sunil Jogi	D.S.Jogi
15	1015	Dhanashri Vijaykumar Chitlange	Dchitlange.
16	1016	Dipali Gangadhar Singade	Dipali
17	1017	Gulshan Kumar Prem Sharma	G.Sharma
18	1018	Himdevi Sanjay Thakre	H. Thakre.
19	1019	Jayesh Vishwambhar Akarte	Jan
20	1020	Kalyani Sudhakar Mendhe	K.Mendhe.

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21	1021	Laxmi Rajeshkumar Rahangdale	L. Rahangdale.
22	1022	Madhav Sunil Sakharkar	M. Sakharkar
23	1023	Manshri Arvind Mandiye	M
24	1024	Minakshi Dhanvant Shiwankar	M. Shiwankar
25	1025	Paritosh Prakash Barai	P. Barai.
26	1026	Pooja Tarachand Samarth	P. Samarth.
27	1027	Pranav Sanjay Manapure	P Manapure.
28	1028	Pranay Sanjay Sadanpawar	P. Sadanpawar.
29	1029	Pratham Prashant Paunikar	P. Paunikar
30	1030	Saloni Sunil Bandebuche	S. Bandebuche.
31	1031	Samiksha Ramesh Mahajan	S Mahajan
32	1032	Shruti Jayant Shivankar	S. Shivankar
33	1033	Suchit Vivek Shende	S. Shende
34	1034	Sukanya Balkrushna Moharle	SB Moharle
35	1035	Suraj Raoji Tulavi	
36	1036	Yash Milind Raikwar	Yash
37	1037	Yashshree Vidyadhar Chiplunkar	Y
38	1038	Aaditi Subhash Paliwal	
39	1039	Aishwarya Sheshrao Sonule	A. Sonule
40	1040	Anamika Mahendra Shukla	ABSENT
41	1041	Anisha Ashwin Jamgade	A Jamgade
42	1042	Arya Promod Khasbage	Aryet.
43	1043	Ashlesha Devidas Dhokne	Dhokne.
44	1044	Ayushi Yogesh Padole	Padole
45	1045	Prutha Pravin Gomkale	Prutha
46	1046	Purvasha Mangesh Muley	P. Muley.

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47	1047	Riya Laxman Parate	
48	1048	Samiksha Satish Kharbade	
49	1049	Sampriti Asuraj Ganvir	
50	1050	Samruddhi Vinod Bhiwgade	
51	1051	Sana Bano Shahid Ahemad Siddiqui	
52	1052	Shruti Subhash Raut	
53	1053	Siddhi Chandrashekhar Kohad	
54	1054	Sneha Mahendrasingh Thakur	
55	1055	Vaibhavi Devidas Chatur	
56	1056	Vaishnavi Ashokrao Wagh	
57	1057	Vedika Vasant Mohod	
58	1058	Ashwin Anil Tembhare	
59	1059	Atharv Pramod Vairagade	
60	1060	Khomeshwar Rajesh Deshmukh	
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63	1063	Toshik Santosh Dahikar	
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65	1065	Uditanshu Sanjay Shaniware	
66	1066	Vedant Narendra Parate	
67	1067	Yash Rajabhau Watekar	
68	1068	Akanksha Ajaykumar Shende	
69	1069	Alkesh Arun Mahamune	
70	1070	Ansh Mohan Pimple	
71	1071	Anshu Gunwant Yekude	

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72	1072	Archana Tejram Sharnagate	
73	1073	Ayush Baban Pawar	Apawar
74	1074	Ayush Rajesh Dubey	
75	1075	Darshan Sudesh Kamble	Dkamble
76	1076	Devashish Santoshkumar Tembhare	Devashish
77	1077	Eknath Vijay Kapse	E. Kapse
78	1078	Kalash Sukram Gondhule	Kalash
79	1079	Karina Parasram Atrahe	Karatrahe
80	1080	Krunal Ajay Kuhite	K.K.
81	1081	Leena Murlidhar Yenkar	L Yenkar
82	1082	Mahima Rajendra Bhasmote	MBhasmote

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College.
Congress Nagar, Nagpur

Professor & Head
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SSES Amravati's Science College, Congress Nagar, Nagpur-12
DEPARTMENT OF COMPUTER SCIENCE
Session 2022-2023
Certificate Course
Examination

Course Name: Android Programming

Time: 60 Minutes] [Max. Marks: 40

Practical Exam Slip

Unit 1: Introduction to Android Development

- Setting up Android Studio and SDK on your computer.
- Creating a basic "Hello World" Android application.
- Exploring the project structure in Android Studio.
- Designing a simple user interface using XML layouts.
- Implementing basic event handling for user interactions.

Unit 2: Core Concepts and Data Management

- Managing activity lifecycle: Implementing lifecycle callbacks.
- Creating responsive layouts for various screen sizes and orientations.
- Storing and retrieving data using SharedPreferences.
- Working with SQLite databases to perform CRUD operations.
- Making network requests using HTTP libraries and parsing JSON data.

Unit 3: Advanced Topics and Project Work

- Implementing background tasks using AsyncTask or other techniques.
- Designing UIs with Fragments for modularization and flexibility.
- Applying Material Design principles to enhance UI aesthetics and user experience.
- Adding animations and transitions to improve app interactivity.
- Project-based assignments: Developing real-world Android applications, incorporating learned concepts and best practices.
- Deploying and distributing Android applications to the Google Play Store.

VCP

Assistant Professor
Department of Computer Science
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Congress Nagar, Nagpur

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Shri Shivaji Education Society Amravati's

Science College, Congress Nagar, Nagpur.

Certified Course in Android Programming
Test Examination 2022-23
Result Sheet

Date:

Sr. No.	Roll Number	Name Of Student	Marks Theory (60)	Marks Practical (40)	Total Marks (100)	Grade
1	1001	Aakansha Manik Malewar	35	27	62	A
2	1002	Aanchal Ashwani Yadav	41	33	74	A
3	1003	AaysuhRuplal Gour	32	27	59	B+
4	1004	Abhay KapurchandBaghele	37	33	70	A
5	1005	Anuja Vilas Masalkar	29	35	64	A
6	1006	Anushree Pravin Wath	24	25	49	B
7	1007	Archi Ashok Khandelwal	25	32	57	B+
8	1008	Arpita Govind Khavaskar	43	35	78	A+
9	1009	Ayas Jahid Pathan	48	31	79	A+
10	1010	Bhairavi Gajanan Thakare	55	33	88	A+
11	1011	Bhavika Anil Raut	38	27	65	A
12	1012	Chanchal Anil Chanap	AB	AB	AB	AB
13	1013	Chetan Gunwantarao Khadse	43	31	74	A
14	1014	Darshan Sunil Jogi	50	30	80	A+
15	1015	Dhanashri Vijaykumar Chitlange	39	32	71	A
16	1016	Dipali Gangadhar Singade	39	28	67	A
17	1017	Gulshan Kumar Prem Sharma	47	34	81	A+
18	1018	Himdevi Sanjay Thakre	41	28	69	A
19	1019	Jayesh Vishwambhar Akarte	52	33	85	A+

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20	1020	Kalyani Sudhakar Mendhe	28	34	62	A
21	1021	Laxmi Rajeshkumar Rahangdale	54	29	83	A+
22	1022	Madhav Sunil Sakharkar	50	29	79	A+
23	1023	Manshri Arvind Mandiye	21	34	55	B+
24	1024	Minakshi Dhanvant Shiwankar	30	26	56	B+
25	1025	Paritosh Prakash Barai	22	34	56	B+
26	1026	Pooja Tarachand Samarth	21	27	48	B
27	1027	Pranav Sanjay Manapure	53	29	82	A+
28	1028	Pranay Sanjay Sadanpawar	29	28	57	B+
29	1029	Pratham Prashant Paunikar	52	32	84	A+
30	1030	Saloni Sunil Bandebuche	42	29	71	A
31	1031	Samiksha Ramesh Mahajan	29	28	57	B+
32	1032	Shruti Jayant Shivankar	44	29	73	A
33	1033	Suchit Vivek Shende	23	34	57	B+
34	1034	Sukanya BalkrushnaMoharle	54	34	88	A+
35	1035	Suraj RaojiTulavi	34	34	68	A
36	1036	Yash Milind Raikwar	31	29	60	A
37	1037	Yashshree Vidyadhar Chiplunkar	37	27	64	A
38	1038	AaditiSubhashPaliwal	41	30	71	A
39	1039	AishwaryaSheshraoSonule	40	26	66	A
40	1040	AnamikaMahendraShukla	AB	AB	AB	AB
41	1041	AnishaAshwinJamgade	33	26	59	B+
42	1042	AryaPromodKhasbage	48	35	83	A+
43	1043	AshleshaDevidasDhokne	32	28	60	A
44	1044	Ayushi YogeshPadole	44	29	73	A

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45	1045	PruthaPravinGomkale	45	34	79	A+
46	1046	PurvashaMangeshMuley	46	35	81	A+
47	1047	RiyaLaxmanParate	54	34	88	A+
48	1048	SamikshaSatishKharbade	43	29	72	A
49	1049	SampritiAsurajGanvir	20	32	52	B+
50	1050	SamruddhiVinodBhiwgade	46	35	81	A
51	1051	SanaBanoShahidAhemadSiddiqui	36	33	69	A
52	1052	ShrutiSubhashRaut	46	26	72	A
53	1053	SiddhiChandrashekharKohad	55	27	82	A+
54	1054	SnehaMahendrasinghThakur	46	25	71	A
55	1055	VaibhaviDevidasChatur	52	25	77	A+
56	1056	VaishnaviAshokraoWagh	20	25	45	B
57	1057	VedikaVasantMohod	25	25	50	B+
58	1058	AshwinAnilTembhare	28	31	59	B+
59	1059	AtharvPramod Vairagade	49	34	83	A+
60	1060	KhomeshwarRajeshDeshmukh	28	32	60	A
61	1061	LalitDhanrajLakade	45	26	71	A
62	1062	MaheshLaxmanraoKajale	23	36	59	B+
63	1063	ToshikSantoshDahikar	45	25	70	A
64	1064	TusharKishorLatare	25	25	50	B+
65	1065	UditanshuSanjay Shaniware	41	26	67	A
66	1066	VedantNarendraParate	39	27	66	A
67	1067	YashRajabhauWatekar	48	29	77	A+
68	1068	Akanksha Ajaykumar Shende	20	25	45	B
69	1069	Alkesh Arun Mahamune	41	30	71	A

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70	1070	Ansh Mohan Pimple	21	36	57	B+
71	1071	Anshu Gunwant Yekude	21	26	47	B
72	1072	Archana TejramSharnagate	41	35	76	A+
73	1073	Ayush Baban Pawar	24	33	57	B+
74	1074	Ayush Rajesh Dubey	40	35	75	A+
75	1075	Darshan Sudesh Kamble	42	34	76	A+
76	1076	Devashish SantoshkumarTembhare	46	31	77	A+
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79	1079	Karina Parasram Atrahe	25	30	55	B+
80	1080	Krunal Ajay Kuhite	48	30	78	A+
81	1081	Leena Murlidhar Yenkar	48	33	81	A+
82	1082	Mahima Rajendra Bhasmote	49	31	80	A+

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Mentor College under 'PARAMARSH Scheme', UGC, New Delhi

Add-on Course

Course Exam Name: Certificate Course in Python Programming

Name of Student:

.....

Roll No.: | | | | **Session: 2022-23**

Test Date: 28/02/2020 | **Max. Marks: 60**

Invigilator Signature | **Obtained Marks:** | |

INSTRUCTIONS FOR FILLING THE SHEET

1. This sheet should not be folded or crushed.
2. Use only blue/ black ball point pen to fill the circles.
3. Use of pencil is strictly prohibited.
4. Circles should be darkened completely and properly.
5. Cutting and erasing on this sheet is not allowed.
6. Do not use any stray marks on the sheet.
7. Do not use marker or white fluid to hide the mark.

WRONG METHODS ⊗ ◉ ▨ ✓ CORRECT METHOD ○ ○ ○ ●

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	○	○	○	○	11	○	○	○	○	21	○	○	○	○	31	○	○	○	○	41	○	○	○	○
2	○	○	○	○	12	○	○	○	○	22	○	○	○	○	32	○	○	○	○	42	○	○	○	○
3	○	○	○	○	13	○	○	○	○	23	○	○	○	○	33	○	○	○	○	43	○	○	○	○
4	○	○	○	○	14	○	○	○	○	24	○	○	○	○	34	○	○	○	○	44	○	○	○	○
5	○	○	○	○	15	○	○	○	○	25	○	○	○	○	35	○	○	○	○	45	○	○	○	○
6	○	○	○	○	16	○	○	○	○	26	○	○	○	○	36	○	○	○	○	46	○	○	○	○
7	○	○	○	○	17	○	○	○	○	27	○	○	○	○	37	○	○	○	○	47	○	○	○	○
8	○	○	○	○	18	○	○	○	○	28	○	○	○	○	38	○	○	○	○	48	○	○	○	○
9	○	○	○	○	19	○	○	○	○	29	○	○	○	○	39	○	○	○	○	49	○	○	○	○
10	○	○	○	○	20	○	○	○	○	30	○	○	○	○	40	○	○	○	○	50	○	○	○	○

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SSES Amravati's Science College, Congress Nagar, Nagpur-12

DEPARTMENT OF COMPUTER SCIENCE

Final Examination
Session 2022-2023
Certificate Course in Android Programming

Maximum Marks: 60

Students Name: _____

Roll No:_____ **Date:** _____ **Time: 1 HOUR**

Name and Signature of Invigilator: _____

Note: 1. All Questions are compulsory and carry equal marks.
2. Tick the Correct option only.

1. What is the primary Integrated Development Environment (IDE) used for Android app development?

a) Eclipse b) Visual Studio c) Android Studio d) IntelliJ IDEA

2. Which file is responsible for defining the structure of the user interface in an Android app?

a) MainActivity.java b) activity_main.xml
c) AndroidManifest.xml d) strings.xml

3. Which method is called by the Android system when an activity is first created?

a) onStart() b) onCreate() c) onResume() d) onInit()

4. What is the purpose of SharedPreferences in Android development?

a) To store and retrieve key-value pairs persistently. b) To manage SQLite databases.
c) To handle network requests. d) To implement background tasks.

5. Which layout manager is commonly used to create responsive layouts in Android?

a) LinearLayout b) RelativeLayout c) ConstraintLayout d) FrameLayout

6. Which class is used to perform CRUD operations on a local SQLite database in Android?

a) SQLiteOpenHelper b) SQLiteDatabase
c) SQLiteManager d) SQLHelper

7. Which HTTP client library is commonly used for making network requests in Android?

a) OkHttp b) Volley c) Retrofit d) Apache HttpClient

8. Which method is used to add an event listener to a Button in Android?

a) setOnClickListener() b) addOnClickListener()
c) setOnTouchListener() d) addOnTouchListener()

9. Which lifecycle method of an activity is called when the activity is no longer visible to the user?

a) onStop() b) onDestroy() c) onPause() d) onExit()

10. What is the purpose of the AsyncTask class in Android?

a) To perform background tasks asynchronously. b) To handle user input events.
c) To manage application resources. d) To interact with external APIs.

11. Which XML attribute is used to specify the layout behavior of a view in ConstraintLayout?

a) android:layout_width b) android:layout_height

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c) app:layout_constraintStart_toStartOf d) app:layout_constraintTop_toTopOf

12. Which method is used to inflate a layout resource in an activity?
a) inflateLayout() b) setContentView()
c) createLayout() d) loadLayout()

13. Which component is responsible for managing the navigation flow between different screens in an Android app?
a) Activity b) Fragment c) Intent d) Service

14. Which layout manager is best suited for building complex and flexible UIs in Android?
a) LinearLayout b) RelativeLayout c) ConstraintLayout d) FrameLayout

15. Which attribute is used to specify the orientation of a LinearLayout?
a) android:orientation b) android:layout_width
c) android:layout_height d) android:gravity

16. What is the purpose of the AndroidManifest.xml file?
a) To define the layout of the user interface. b) To specify the permissions required by the app.
c) To manage database operations. d) To handle background tasks.

17. Which method is called when an AsyncTask is executed?
a) doInBackground() b) onPreExecute() c) onPostExecute() d) onCancelled()

18. Which class is used to make HTTP GET and POST requests in Android?
a) HttpConnection b) HttpURLConnection c) HttpClient d) HttpsURLConnection

19. What is the primary purpose of using Fragments in Android development?
a) To manage activity lifecycle callbacks. b) To handle user input events.
c) To create modular and reusable UI components. d) To perform background tasks.

20. Which method is called when a user interacts with a MenuItem in an Android app?
a) onOptionsItemSelected() b) onMenuItemClick()
c) onOptionsSelected() d) onItemSelected()

21. Which layout manager is used to display a list of scrollable items in Android?
a) RecyclerView b) GridView c) ListView d) ScrollView

22. Which component is responsible for running long-running background tasks independently of the UI?
a) Activity b) BroadcastReceiver c) Service d) ContentProvider

23. Which method is used to start a new activity in Android?
a) startActivity() b) startActivityForResult() c) startService() d) broadcastIntent()

24. What is the purpose of the XML file named "strings.xml" in an Android project?
a) To define the layout of the user interface. b) To manage localized string resources.
c) To handle database operations. d) To specify app permissions.

25. Which method is called when an activity is brought to the foreground after being paused?
a) onStart() b) onResume() c) onRestart() d) onCreate()

26. Which component is responsible for managing app-wide data storage and retrieval in Android?
a) Activity b) Fragment c) Intent d) SharedPreferences

27. What is the purpose of the "R.java" file in an Android project?
a) To store application resources such as layout files and images.

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b) To generate unique IDs for resources defined in XML files.
c) To handle database operations.
d) To manage activity lifecycle callbacks.

28. Which method is called to handle the result of a user action initiated by startActivityForResult()?

a) onActivityResult()
b) onRequestPermissionsResult()
c) onPermissionResult()
d) onResult()

29. What is the primary purpose of using a RecyclerView over a ListView in Android?

a) RecyclerView provides better performance and more flexible item layouts.
b) ListView is deprecated and no longer recommended for new development.
c) RecyclerView simplifies data binding and adapter implementation.
d) ListView supports only vertical scrolling, whereas RecyclerView supports both vertical and horizontal scrolling.

30. Which method is called when an activity is no longer visible and is about to be destroyed?

a) onStop()
b) onDestroy()
c) onPause()
d) onFinish()

VCP

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College,
Congress Nagar, Nagpur

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Answers:

1) c) Android Studio
2) b) activity_main.xml
3) b) onCreate()
4) To store and retrieve key-value pairs persistently.
5) c) ConstraintLayout
6) SQLiteOpenHelper
7) OkHttp
8) setOnClickListener()
9) c) onPause()
10) To perform background tasks asynchronously.
11) c) app:layout_constraintStart_toStartOf
12) b) setContentView()
13) c) Intent
14) c) ConstraintLayout
15) android:orientation
16) b) To specify the permissions required by the app.
17) doInBackground()
18) b) HttpURLConnection
19) c) To create modular and reusable UI components.
20) onOptionsItemSelected()
21) RecyclerView
22) c) Service
23) startActivity()
24) b) To manage localized string resources.
25) b) onResume()
26) d) SharedPreferences
27) b) To generate unique IDs for resources defined in XML files.
28) a) onActivityResult()
29) a) RecyclerView provides better performance and more flexible item layouts.
30) b) onDestroy()

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Mentor College under 'PARAMARSH Scheme', UGC, New Delhi

Add-on Course

Course Exam Name: Certificate Course in Android Programming

Name of Student: Aakansha M. Malewar

Roll No.: 1 0 0 1 **Session: 2022-23**

Test Date: 17/03/23 **Max. Marks: 60**

VCP
Invigilator Signature

Obtained Marks: 24

INSTRUCTIONS FOR FILLING THE SHEET
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WRONG METHODS ⊗ ◉ ⊘ ✓ CORRECT METHOD ○ ○ ○ ●

	A	B	C	D
1	○	●	○	○
2	○	○	○	●
3	●	○	○	○
4	○	○	●	○
5	●	○	○	○
6	○	○	●	○
7	○	●	○	○
8	○	○	●	○
9	○	●	○	○
10	●	○	○	○
11	○	○	●	○
12	○	●	○	○
13	○	○	●	○
14	●	○	○	○
15	○	○	○	●
16	●	○	○	○
17	○	○	●	○
18	○	●	○	○
19	○	○	○	●
20	●	○	○	○
21	○	○	○	●
22	●	○	○	○
23	○	○	●	○
24	●	○	○	○
25	○	○	●	○
26	●	○	○	○
27	○	○	○	●
28	○	●	○	○
29	○	○	○	●
30	●	○	○	○
31	○	○	○	○
32	○	○	○	○
33	○	○	○	○
34	○	○	○	○
35	○	○	○	○
36	○	○	○	○
37	○	○	○	○
38	○	○	○	○
39	○	○	○	○
40	○	○	○	○
41	○	○	○	○
42	○	○	○	○
43	○	○	○	○
44	○	○	○	○
45	○	○	○	○
46	○	○	○	○
47	○	○	○	○
48	○	○	○	○
49	○	○	○	○
50	○	○	○	○

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Shri Shivaji Education Society Amravati's

SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR

Accredited with CGPA of 3.51 at 'A+' Grade

A College with Potential for Excellence

CERTIFICATE

Mr./Ku. Jakansha N. Malewar. is awarded with certificate on successful completion of the course entitled, Certificate course in **"Android Programming".**

Session 2022-23 under Add-on course conducted for **30 hours from 06/01/2023 to 11/03/2023** by Department of Computer Science, SSESA's, Science College, congress Nagar, Nagpur 440012.

He/She has passed the Examination with 'A' Grade.

Dr. V. C. Pande
Coordinator, Department of Computer Science

Prof. M. P. Dhore
Principal, Science College, Nagpur

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Action Taken:

A free Add-On Course for UG students in the Department of Computer Science, Shri Shivaji Education Society Amravati's Science College, Congress Nagar,Nagpur was held from 6th Jan 2023 to 11th March 2023. The course title was "Introduction to Android Programming". 82 students appeared and passed in both theory and practical examination. The result was prepared and certificates were distributed to the students.

Assistant Professor
Department of Computer Science
S.S.E.S. Amt's Science College
Congress Nagar, Nagpur

IQAC Coordinator
Science College,
Congress Nagar Nagpur

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Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Add on Course in Android Programming Feedback Form

Name of Student.....

Please rate the following aspects of the program on a scale from 1 to 5, with

1. Best	2. Excellent	3. Good	4. Satisfactory	5. Fair

Q.1 How would you rate the organization and structure of the course?

1 2 3 4 5

Q.2 How do you rate the quality of the delivery of the units by the Teacher?

1 2 3 4 5

Q.3 How useful were the hands-on assignments and projects in enhancing your practical understanding of Android programming?

1 2 3 4 5

Q.4 How well-organized was the course structure, including the sequencing of topics and the pacing of the material?

1 2 3 4 5

Q.5 Overall, how would you rate your learning experience in this Android Programming?

1 2 3 4 5

Q.6 Any Suggestions:

_____

_____

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Feedback Analysis

1. Number of Students Registered for the Course :82
2. Number of Students submitted the Feedback :75
3. Question wise analysis of the Feedback:

Sr. No	Question	Responses in Percentage (%)				
		Best	Excellent	Good	Satisfactory	Fair
1)	How would you rate the organization and structure of the course?	68	16	13.333 33	2.666667	0
2)	How do you rate the quality of the delivery of the units by the Teacher?	65.33	17.33333	16	1.333333	0
3)	How useful were the hands-on assignments and projects in enhancing your practical understanding of Android programming?	64	13.33333	13.333 33	6.666667	2.66666 7
4)	How well-organized was the course structure, including the sequencing of topics and the pacing of the material?	69.333 33	20	8	2.666667	0
5)	Overall, how would you rate your learning experience in this course?	73.333 33	13.33333	8	5.333333	0
6)	Any Suggestions	No Suggestions: 50% Remaining Comments: Good Course, Nice Course, Change the timing of Classes				

Remark: Students commented that the course will be useful in professional life.

Department will keep on improving the quality of the course.

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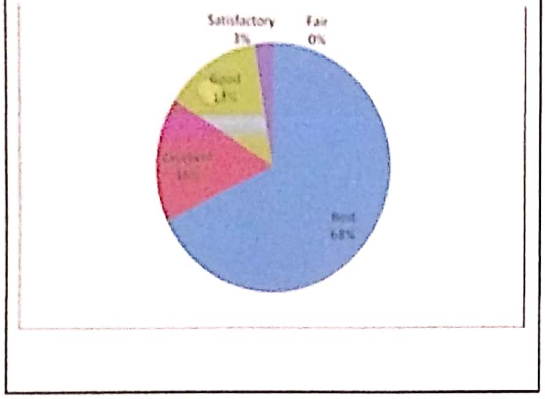
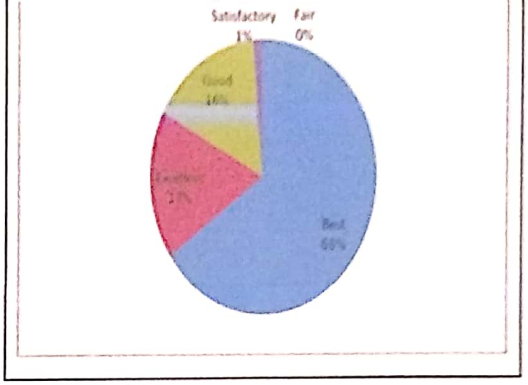
Certificate course: Android programming (2022-23)

Feedback Analysis

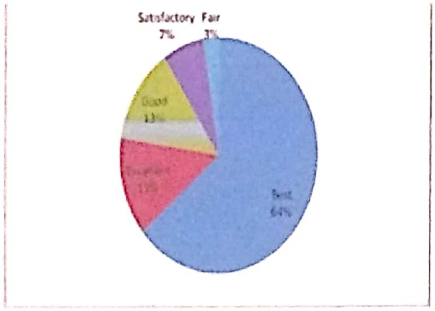
1.How would you rate the organization and structure of the course?



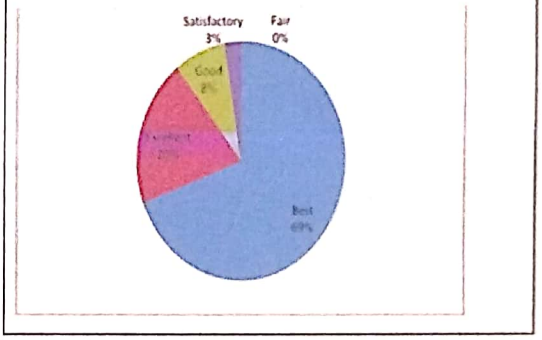
2.How do you rate the quality of the delivery of the units by the Teacher



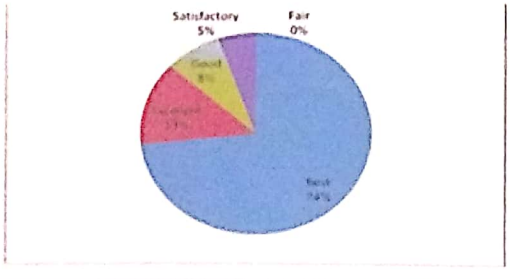
3.How useful were the hands-on assignments and projects in enhancing your practical understanding of Android programming?



4.How well-organized was the course structure, Including the sequencing of topics and the pacing of the material?



5.Overall, how would you rate your learning experience In this course?



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