



**Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE,
KHARDI**

TALUKA – SHAHAPUR, DIST-THANE, STATE - MAHARASHTRA

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WEBSITE - www.jeevandeepkhardi.com

**DEPARTMENT OF INFORMATION TECHNOLOGY
CAREER ORIENTED SHORT TERM /CERTIFICATE
COURSE IN**

Mobile Computing

YEAR 2018-2019



Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Short term course- Mobile Computing

Board of studies-2018-2019

Sr.No	Designation	Name of the person
1	Chairman	Shri . Ravindrda Ghodvinde
2	Principal	Asst.Prof .K. R. Kalkate(head of Marathi dept.)
3	member	ASST.PROF.Mr. Siddhesh Dnyandev Rathod (head of IT Department)
4	member	ASST.PROF. Bhagyashree Balasaheb Pawar
5	member	ASST.PROF. Mrs.Pushpa Sabale
6	member	ASST.PROF. Miss Sneha A. Madke

Minutes of meeting

Board of Studies meeting of the Short Term Course / Certificate in Mobile Computing was conducted on 02.july.2018 to 31.july.2018 at 12.00 pm in the offline meeting in meeting room .Above members were present in the meeting .

Following Points are discussed in this meeting .

1. Syllabus formation of Mobile Computing short term course.
2. Dissemination of work.
3. Fee structure
4. Encouragement of Student
5. Place : JSSP College Khardi

Date:



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ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST - THANE, STATE - MAHARASHTRA

Department of Information Technology.

Short term course- Mobile Computing

Date- 20/06/2018

Student Notice

All the F.Y. S.Y. T.Y.BSc IT students are informed that the short term course “Mobile Computing” will be commenced from date .02.july.2018 .Therefore all the Student have to present for theory lecture and practical's as per giving schedule.

Madhu



[Signature]

Principal

Jeevandeep Shaikshanik Sanstha's
Arts, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, Khardi
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Department of Information Technology.

Short term course- Mobile Computing

Time Table 2018-19

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12.00to 2.00	lecture	lecture	lecture	Practical	Practical	Practical

Faculty . ASST.PROF.Mr. Siddhesh Dnyandev Rathod (head of IT Department)

ASST.PROF. Bhagyashree Balasaheb Pawar

ASST.PROF. Mrs.Pushpa Sabale

ASST.PROF. Miss Sneha A. Madke



Short term /Certificate Course in Mobile Computing

1. Introduction:.

The purpose of this course is to understand the concept of mobile computing paradigm, novel applications, limitations and also to impart knowledge on the typical mobile networking Infrastructure through a popular GSM protocol. It also helps the students to get exposed to Ad-Hoc Networks and gain knowledge about different mobile platforms and application development.

2. Course Objectives:

- ▶ To understand the basic concepts of mobile computing.
- ▶ To learn the basics of mobile telecommunication system
- ▶ . To be familiar with the network layer protocols and Ad-Hoc networks.
- ▶ To know the basis of transport and application layer protocols.
- ▶ To gain knowledge about different mobile platforms and application developmen

Course Outcomes:

1. Infer knowledge about mobile communications and its services. Understand
2. Identifying several communication access techniques.
3. Analyze Illustrate technical format, addressing and transmission strategies of packets Apply
4. Determine the functionality of MAC, Network layer and Identifying a routing protocol for given Adhoc Networks Evaluate
5. Perceive knowledge about TCP and failure recovery method Evaluate
6. Identify and solve database issues using hoarding techniques Analyze



3. Details about Structure\Pattern of Syllabus:

- ▶ **Title of the course** : Short Term Course in mobile Computing.
- ▶ **Course Code** :
- ▶ **Duration of the Course**: 15 days(30 hours)

- ▶ **Name of the Faculty** : Science
(Information Technology)

- ▶ **Medium of instructions :**

- ▶ **Eligibility/for admission** English

Candidate should pass the higher secondary board or Equivalent with English as one of the subject.

- ▶ **Intake Capacity**

150 Students for the course

The complete structure will be as follows.



Certificate course in Mobile Computing

course	Theory & practical	credits	Total Marks
U1	Introduction to Mobile Computing	01+01	20
U2	Introduction to Cellular Systems	01+01	20
U3	Mobile IP	01+01	20
U4	Mobile TCP- WAP	01+01	20
U5	Mobile Device Operating Systems	01+01	20
	TOTOL	10	100

Pattern of Examination:

Evaluation:

Examination will be held at The do the course.

Standard of passing : Minimum 40%.

Pattern of Question paper: Theory Paper 50 Marks

Q.1 Attempt any one 10Marks

Q.2 Attempt anyone 10Marks

Q.3 Attempt any one 10Marks

Q.4 Attempt any one 10Marks

Q.5 Attempt any one 10Marks

Practical Examination 50 Marks

Q. Write A Short Programme

on Given Topic. 40M Oral Exam 10M



1. Infrastructure Available:

- a) ICT enabled Classroom
- b) Availability OF laboratory

2. Teaching Faculty:

Sr. No.	Name of the Faculty	Qualification	Experience
1	ASST.PROF.Mr. Siddhesh Dnyandev Rathod (head of IT Department)	MCA	6 YEAR
2	ASST.PROF. Bhagyashree Balasaheb Pawar	MSc IT, MCA	1 YEAR
3	ASST.PROF. Mrs.Pushpa Sabale	BE(ETC)	1 YEAR
4	ASST.PROF. Miss Sneha A. Madke	BE (COMP)	2 YEAR



Jeevandeep Shaikshanik Sanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

Short term course- Mobile Computing

ATTENDANCE SHEET

SR.NO	STUDENT NAME	ROLL NO	Signature
1	BALKHANDE RAJRATNA SONAJI	183201	B.B.
2	BHERE RESHMA EKNATH	183202	Reshma
3	BHERE RUSHIKESH VITTHAL	183203	RVBhere
4	BHOIR MAYURI KONDU	183204	MBhoir
5	BHOIR SANKET SANTOSH	183205	Sanket
6	CHAUDHARI AJIT GURUNATH	183206	Ajit
7	DAMSE DHANANJAY VINAYAK	183207	Dhananjay
8	GHOTE AKSHADA BHALCHANDRA	183208	Akshada
9	GILANDE VINAYAK KALU	183209	Vinayak
10	GODE NARAYAN RAMDAS	183210	NRGode
11	GOLE MANALI VINOD	183211	manali
12	HUSSAIN JUBAIDKHAN ASHRAF	183212	Jubaidkhan
13	KHANDAGALEAPURVA BHAGAVAN	183213	Khanda
14	KIRPAN POOJA RAMESH	183214	Pooja
15	MHASAL SUNIL DEVIDAS	183215	Sunil
16	NICHITE NIKHIL SUNIL	183216	Nikhil
17	NICHITE SAGAR BHAU	183217	Sagar
18	PALEKAR VISHAL YASHWANT	183218	Vishal
19	PASHTE PRATIK PRAVIN	183219	Pratik
20	RATHOD PRATIK VINOD	183220	Prathod
21	SAGBHOR BHAGWAN SHANKAR	183221	Bhagwan
22	SHINDE PRIYANKA CHINTAMAN	183222	Priyanka
23	THORAT ABHIJEET SHASHIKANT	183223	ASThorat
24	UBALE KAPIL PRAKASH	183224	Kapil
25	UBALE NITESH MUKUND	183225	Nitesh
26	VISHE VRUSHABH CHANDRAKANT	183226	VVishe
27	YADAV MADHURI GANESH	183227	madhuri
28	DINGORE ANIKET ASHOK	183228	Aniket
29	CHAUDHARI DILIP TUKARAM	183229	Dilip
30	PATHAN ANAM ASLAM	183230	AAPathan
31	GOLHAIT TATHAGAT MILIND	183231	TMGolhait



32	SHAIKH SAJID KHALID	183232	Sk Shaikh
33	DHANDE BHUSHAN LAXMAN	183233	Bhushan
34	GAWAI ATUL KUNDLIK	183234	Agawai
35	LAD DAMINI HARISH	183235	Damini
36	SONAWANE GAURAV VISHWANATH	183236	Gaurav
37	BASHINGE HEMANT PRAKASH	186201	Hemant
38	BHAGAT AKASH CHHAGAN	186202	Akash
39	BHAGDE VIJAY PRABHAKAR	186203	Vijay
40	/BHANGARE SANTOSHI VISHNU	186204	Santoshi
41	BHASKAR ANIKET YASHWANT	186205	Aniket
42	/BONDRE VANITA VIJAY	186206	Vanita
43	BURHADE MANGESH VIKRANT	186207	Mangesh
44	CHAVRE SANCHIT NAVNATH	186208	Sanchit
45	DANGAT TEJAS SHRIDHAR	186209	T. S. Dangat
46	DHAMNE AKSHAY RAGHUNATH	186210	Akshay
47	FARDE DURWESH NAMDEV	186211	Durwesh
48	GAWALI ATUL BHARAT	186212	Atul
49	GORALE DIPAK DASHARATH	186214	Dipak
50	GUJAR PRATHAMESH VIKAS	186215	Pruthamesh
51	/JADHAV SONALI YASHWANT	186216	Sonali
52	JAKHERE RAKESH SONALI	186217	Rakesh
53	KADAV VINOD PANDHARINATH	186218	Vinod
54	LOBHI RAVINDRA KALURAM	186219	RK Lobhi
55	LOKHANDE SUNIL BHAURAO	186220	Sunil
56	MONDHULA KALPESH NAMDEV	186221	Kalpesh
57	PATIL SHUBHAM SANGRAM	186222	Shubham
58	PATOLE VISHWAS PANDHARINATH	186223	Vishwas
59	RATHOD AMOL UDAYSINGH	186224	Amol
60	SABALE ANIKET NAMDEV	186225	Aniket
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62	TITKARE PRASHANT JAYWANT	186227	Prashant
63	UBALE JAYESH ARUN	186228	Jayesh
64	SOGIR SUMIT ANIL	186229	Sumit
65	WATEKAR AKSHAY SUNIL	186230	Akshay
66	ADWALE JAGDISH BHAGWAN	186231	Jagdish
67	SHIROLE BHUSHAN SURESH	186232	BS Shirole
68	BHOIR SAMEER BHARAT	186233	Sameer
69	WARAVATE SAGAR PANDURANG	186234	Sagar
70	BHANGARE KRUSHANA VILAS	186235	KR Bh
71	BHOIR VAIBHAV GANESH	186236	Vaibhav
72	/THAKUR PRAJAKTA BAJIRAV	186237	Prajakta
73	/CHAVAN VINAYA JAYANT	186238	Vinaya
74	KHAIRNAR SHASHIKANT HANSRAJ	186239	Shashik
75	THAKARE ABHISHEK BALIRAM	186240	AB Thakare



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Department of Information Technology.

Short term course- Mobile Computing

(PROGRAMME SYLLABUS)

Mobile Computing Syllabus

Unit – I

Introduction:

Mobile Communications,

Mobile Computing – Paradigm,

Promises/Novel Applications and Impediments and Architecture,

Mobile and Handheld Devices,

Limitations of Mobile and Handheld Devices.

GSM – Services, System Architecture,

Radio Interfaces, Protocols,

Localization, Calling, Handover

, Security, New Data Services, GPRS.

Unit – II

(Wireless) Medium Access Control (MAC):

Motivation for a specialized MAC (Hidden and exposed terminals,

Near and far terminals),



SDMA, FDMA, TDMA, CDMA,

Wireless LAN/(IEEE 802.11)

Unit – III

Mobile Network Layer:

IP and Mobile IP Network Layers,

Packet Delivery and Handover Management,

Location Management,

Registration,

Tunneling and Encapsulation,

Route Optimization, DHCP.

Unit – IV

Mobile Transport Layer:

Conventional TCP/IP Protocols,

Indirect TCP,

Snooping TCP,

Mobile TCP,

Other Transport Layer Protocols for Mobile Networks.

Database Issues:

Database Hoarding & Caching Techniques,

Client-Server Computing & Adaptation,

Transactional Models,

Query processing,

Data Recovery Process & QoS Issues.

Unit – V

Data Dissemination and Synchronization:



Communications Asymmetry,
Classification of Data Delivery Mechanisms,
Data Dissemination,
Broadcast Models,
Selective Tuning and Indexing Methods,
Data Synchronization –
Introduction, Software, and Protocols.

Unit – VI

Mobile Ad hoc Networks (MANETs):

Introduction,
Applications & Challenges of a MANET,

Routing,

Classification of Routing Algorithms

, Algorithms such as DSR, AODV, DSDV,

, Mobile Agents,

Service Discovery.

Protocols and Platforms for Mobile Computing:

WAP, Bluetooth,

XML, J2ME, Java Card, PalmOS,

Windows CE, SymbianOS, Linux for Mobile Devices, Android.

UNIT V - MOBILE PLATFORMS AND APPLICATIONS

Mobile Device Operating Systems –

Special Constraints & Requirements –

Commercial Mobile Operating Systems –



Software Development Kit: iOS,

Android, BlackBerry,

Windows Phone – MCommerce – Structure – Pros & Cons – Mobile Payment System – Security Issues

- Jochen Schiller, "Mobile Communications", Addison-Wesley, Second Edition, 2009.
- Raj Kamal, "Mobile Computing", Oxford University Press, 2007, ISBN: 0195686772
- ASOKE K TALUKDER, HASAN AHMED, ROOPA R YAVAGAL, "Mobile Computing, Technology Applications and Service Creation" Second Edition, McGraw Hill.
- UWE Hansmann, Lothar Merk, Martin S. Nicklaus, Thomas Stober, "Principles of Mobile Computing," Second Edition, Springer.
- "GENESIS: Personal Communication Device". GENESIS 191A321 Document, 1993.
- "Intelligent Vehicle Highway Systems Projects". Department of Transportation, Minnesota Document, March 1994.
- "Intelligent Transportation Systems Projects". Department of Transportation, Minnesota Document, January 1995.
- J. Arlook and Randall Jones. "Tracking IVHS: Where It is and Where It is Going". In Geo-Information Systems^ November/December 1993.
- D. Barbara and T. Imielinski. "Sleepers and Workaholics: Caching Strategies in Mobile Environments". In Proc. of SIGMOD Conference on Management of Data, pages 1-12. ACM, 1994.



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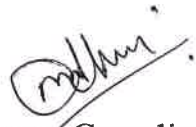
Department of Information Technology.

Board of studies-2018-2019

Date 21/07/2018

Notice

All student of F.Y.S.Y T.Y.BSc (IT) are hereby information that
,Examination for the short term course "Mobile Computing "will be held from
25/7/2018 .The test will be of 50 marks objective type ,Absent students will not
be entertained .All students should remain present. Detailed Time table Display
on Notice Board.


Course Coordinator




Principal
Jeevandeep Shaikshanik Sanstha Poi's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

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Department of Information Technology.

Short term course- Mobile Computing

Board of studies-2018-2019

Date: 21/07/2018

Mobile Computing (Short Term Course) Theory

Examination - JULY-2018 TimeTable

Sr. No.	Day/Date	Time	Seat No.	Total Students
1	25/7/2018	12.00 to 2.00 pm	183201-183236 186201-186240	75

Instructions:

1. The candidate should be present at least 15 min. before the start of theory examination. Candidate coming late may not be examined.
2. Candidate should bring their college id entity card.
3. Use of mobile phones and other electronic gazettes are strictly prohibited in the examination hall.



Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Department of Information Technology.

Board of studies-2018-2019

Date 28/07/2018

Notice

All student of F.Y.S.Y T.Y.BSc (IT) are hereby information that ,Examination for the short term course "Mobile Computing "will be held from 30/7/2018 .The test will be of 40 marks Practical Test, and 10 oral ,Absent students will not be entertained .All students should remain present. Detailed Time table Display on Notice Board.


Course Coordinator




Principal
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Department of Information Technology.

Short term course- Mobile Computing

Board of studies-2018-2019

Date: 28/07/2018

Mobile Computing (Short Term Course) Practical

Examination JULY 2018 Time Table

Sr. No.	Day/Date	Time	Seat No.	Total Students
1	30/7/2018	12.00 to 2.00 pm	183201-183236 186201-186240	75

Instructions:

1. The candidate should be present at least 15 min. before the start of the theory examination.
Candidate coming late may not be examined.
2. Candidate should bring their college id entity card.
3. Use of mobile phones and other electronic gadgets are strictly prohibited in the examination hall.



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Department of Information Technology.

Short term course- Mobile Computing

Board of studies-2018-2019 THEORY SHEET

SR.NO	STUDENT NAME	ROLL NO	Signature
1	BALKHANDE RAJRATNA SONAJI	183201	RSB
2	BHERE RESHMA EKNATH	183202	Reshma
3	BHERE RUSHIKESH VITTHAL	183203	RV Bhere
4	BHOIR MAYURI KONDU	183204	M. Bhoir
5	BHOIR SANKET SANTOSH	183205	Sanket
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27	YADAV MADHURI GANESH	183227	Madhuri
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30	PATHAN ANAM ASLAM	183230	Anam
31	GOLHAIT TATHAGAT MILIND	183231	Tathagat
32	SHAIKH SAJID KHALID	183232	Sajid



33	DHANDE BHUSHAN LAXMAN	183233	Bhushan
34	GAWAI ATUL KUNDLIK	183234	Atul
35	LAD DAMINI HARISH	183235	DH Lad
36	SONAWANE GAURAV VISHWANATH	183236	Gaurav
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38	BHAGAT AKASH CHHAGAN	186202	Akash
39	BHAGDE VIJAY PRABHAKAR	186203	VP Bhagde
40	/BHANGARE SANTOSHI VISHNU	186204	Santoshi
41	BHASKAR ANIKET YASHWANT	186205	Aniket
42	/BONDRE VANITA VIJAY	186206	Vanita
43	BURHADE MANGESH VIKRANT	186207	Mangesh
44	CHAVRE SANCHIT NAVNATH	186208	Sanchit
45	DANGAT TEJAS SHRIDHAR	186209	Tejas
46	DHAMNE AKSHAY RAGHUNATH	186210	Akshay
47	FARDE DURWESH NAMDEV	186211	Durwesh
48	GAWALI ATUL BHARAT	186212	Atul
49	GORALE DIPAK DASHARATH	186214	Dipak
50	GUJAR PRATHAMESH VIKAS	186215	Pran
51	/JADHAV SONALI YASHWANT	186216	Sonali
52	JAKHERE RAKESH SONALI	186217	Rakesh
53	KADAV VINOD PANDHARINATH	186218	Vinod
54	LOBHI RAVINDRA KALURAM	186219	Ravindra
55	LOKHANDE SUNIL BHAURAO	186220	Sunil
56	MONDHULA KALPESH NAMDEV	186221	K Kalpesh
57	PATIL SHUBHAM SANGRAM	186222	SS Patil
58	PATOLE VISHWAS PANDHARINATH	186223	Vishwas
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62	TITKARE PRASHANT JAYWANT	186227	Prashant
63	UBALE JAYESH ARUN	186228	Jayesh
64	SOGIR SUMIT ANIL	186229	Sumit
65	WATEKAR AKSHAY SUNIL	186230	Akshay
66	ADWALE JAGDISH BHAGWAN	186231	Jogdish
67	SHIROLE BHUSHAN SURESH	186232	Bhushan
68	BHOIR SAMEER BHARAT	186233	Sameer
69	WARAVATE SAGAR PANDURANG	186234	Sagar
70	BHANGARE KRUSHANA VILAS	186235	KRB
71	BHOIR VAIBHAV GANESH	186236	Vaibhav
72	/THAKUR PRAJAKTA BAJIRAV	186237	Prajakta
73	/CHAVAN VINAYA JAYANT	186238	Vinaya
74	KHAIRNAR SHASHIKANT HANSRAJ	186239	Shashikant
75	THAKARE ABHISHEK BALIRAM	186240	Abhisheke



Jeevandeep Shaikshanik Sanstha's

Arts, Commerce and Science College, Khardi.2018-19

Department information Technology

Short term Course - Mobile Computing

Subject MOBILE COMPUTING

Marks= 50

Time= 1 hour

Attempt any 25 question only .

1. It is defined as the process of transferring a call (or data transfer) in progress from one channel to another channel.

- (a) Handover
- (b) Handoff
- (c) Roaming
- (d) Both (a) and (b)

Ans. _____

2. In this type of handover, the handover occurs between different cells but within the reach of the same BSC.

- (a) Intra-cell handover
- (b) Inter-cell, intra-BSC handover
- (c) Inter-BSC, intra-MSC handover
- (d) Inter MSC handover

Ans. _____

3. ____ effect is the repeated handover between two base stations.

Ans. _____

4. High-Speed Circuit Switched Data (HSCSD) uses connection-oriented traffic channels. (True/False)

Ans. _____

5. In High-Speed Circuit Switched Data (HSCSD) several TDMA slots are allotted within a TDMA frame to bundle the ____ channels.

Ans. _____

6. For n channels, HSCSD requires n times signaling during handover, connection setup, and release. (True/False)

Ans. _____

7. General Packet Radio Service (GPRS) technology exhibits traffic patterns in ____ mode.

Ans. _____

8. Depending on the coding, a transfer rate up to ____ kbit/s is possible in GPRS.

Ans. _____

9. In GPRS quality of service, the Reliability class ____ could be used if applications exhibit greater error tolerance.

Ans. _____



10. The function of Gateway GPRS Support Node (GGSN) is to connect ____ network with the external packet data networks (PDN).

Ans. _____

11. The function of the GPRS register (GR) is to store all GPRS-relevant data. (True/False)

v

12. MS gets attached to the GPRS network by assigning a temporal identifier, called a ____, and a ____ for data encryption.

Ans. _____

13. This protocol is used to adapt to the different characteristics of the underlying networks between an SGSN and the MS.

(a) Sub Network Dependent Convergence Protocol (SNDCP)

(b) Base Station Subsystem GPRS Protocol (BSSGP)

(c) Radio Link Protocol (RLC)

(d) GPRS Tunnelling Protocol (GTP).

Ans. _____

14. All MSs are assigned private IP addresses which are then translated into ____ addresses at the GGSN.

Ans. _____

15. These services of GSM permit transparent and non-transparent, synchronous or asynchronous data transmission.

(a) Bearer services

(b) Teleservices

(c) Supplementary services

(d) None of the above

Ans. (a) Bearer services

16. As the logical channels are all associated with user traffic, the multi-frame is called ____ multi-frame.

Ans. _____

17. This layer of protocol architecture for signalling handles all radio-specific functions.

(a) The physical layer or layer 1

(b) LAPD or the Layer 2

(c) Call management (CM) layer

(d) Mobility management (MM) layer

Ans. _____

18. The main tasks of ____ are the setup, maintenance, and release of radio channels.

Ans. _____

19. Temporary Mobile Subscriber Identity (TMSI) replaces the ____ and hides the real identity of an MS user over the air interface.

Ans. _____



20. Changing VLRs with uninterrupted availability of all services is also called ____.
Ans. _____

21. The MSISDN follows the ITU-T standard and consists of: the country code (CC), ____, and ____.
Ans. _____

22. Mobile Terminated Call (MTC) is a situation in which a station calls a mobile station. (True/False)
Ans. _____

23. A Mobile Station (MS) is connected to the GSM-PLMN via the ____ interface.
Ans. _____

24. The access network domain contains the ____.
Ans. _____

25. The direct sequence (DS) CDMA technology spreads the signal and can separate different users by the use of a unique ____ sequence.
Ans. _____

26. UMTS uses a constant chipping rate of ____ Mchip/s.
Ans. _____

27. How many chips do the radio frame structure of UTRA-FDD consist of?
(a) 38,400
(b) 64,000
(c) 512
(d) 1024
Ans. _____

28. In the UTRA TDD (TD-CDMA) frame structure 15 slots with ____ chips per slot form a radio frame with a duration of 10 ms.
Ans. _____

29. A node B connects to one or more antennas creating one or more cells that can either use FDD or TDD or both. (True/False)
Ans. _____

30. The CSD connects to the RNS via a part of the IU interface called ____.
Ans. _____

31. Which tunneling protocol is used to encapsulate all packets (e.g., IP, PPP) destined for the UE?
(a) GPRS Tunnelling Protocol (GTP)
(b) UMTS Tunnelling Protocol
(c) RNS Tunnelling Protocol
(d) Packet Data Convergence Protocol (PDCP)
Ans. _____



32. All inter-system handovers in UMTS are ____ handovers.

Ans. _____

33. Soft handover in UMTS is available only in the ____ mode.

Ans. _____

34. This type of handover occurs when UE moves between different node B's of the same RNC.

- (a) ntra-node B, intra-RNC
- (b) Inter-node B, intra-RNC
- (c) Inter-MSC
- (d) Inter-system

Ans. _____

35. A data rate of ____ kbit/s per time slot is available in EDGE.

Ans. _____

36. The UMTS system is compatible with GSM, ATM, IP, and ISDN-based networks.
(True/False)

Ans. _____



Jeevandeep Shaikshanik Sanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

Short term course- Mobile Computing

Board of studies-2018-19 PRACTICAL SHEET

SR.NO	STUDENT NAME	ROLL NO	Signature
1	BALKHANDE RAJRATNA SONAJI	183201	R SB
2	BHERE RESHMA EKNATH	183202	Reshma
3	BHERE RUSHIKESH VITTHAL	183203	RV Bhere
4	BHOIR MAYURI KONDU	183204	M KBhoir
5	BHOIR SANKET SANTOSH	183205	Sanket
6	CHAUDHARI AJIT GURUNATH	183206	Ajit
7	DAMSE DHANANJAY VINAYAK	183207	DV Damse
8	GHOTE AKSHADA BHALCHANDRA	183208	AB Ghote
9	GILANDE VINAYAK KALU	183209	Vinayak
10	GODE NARAYAN RAMDAS	183210	NR Gode
11	GOLE MANALI VINOD	183211	manali
12	HUSSAIN JUBAIDKHAN ASHRAF	183212	J Ahussain
13	KHANDAGALE PURVA BHAGAVAN	183213	Purva
14	KIRPAN POOJA RAMESH	183214	Pooja
15	MHASAL SUNIL DEVIDAS	183215	Sunil
16	NICHITE NIKHIL SUNIL	183216	Nikhil
17	NICHITE SAGAR BHAU	183217	Sagar
18	PALEKAR VISHAL YASHWANT	183218	Vishal
19	PASHTE PRATIK PRAVIN	183219	Pratik
20	RATHOD PRATIK VINOD	183220	Pratik Rathod
21	SAGBHOR BHAGWAN SHANKAR	183221	Bhagwan
22	SHINDE PRIYANKA CHINTAMAN	183222	Priyanka
23	THORAT ABHIJEET SHASHIKANT	183223	ABhijeet
24	UBALE KAPIL PRAKASH	183224	Kapil
25	UBALE NITESH MUKUND	183225	Nitesh
26	VISHI VRUSHABH CHANDRAKANT	183226	VC Vishu
27	YADAV MADHURI GANESH	183227	MG Yadav
28	DINGORE ANIKET ASHOK	183228	Aniket
29	CHAUDHARI DILIP TUKARAM	183229	Dilip
30	PATHAN ANAM ASLAM	183230	AA Pathan
31	GOLHAIT TATHAGAT MILIND	183231	TM Golhait



32	SHAIKH SAJID KHALID	183232	SKSshaikh
33	DHANDE BHUSHAN LAXMAN	183233	Bhushan
34	GAWAI ATUL KUNDLIK	183234	Atul
35	LAD DAMINI HARISH	183235	DHLaal
36	SONAWANE GAURAV VISHWANATH	183236	Gaurav
37	BASHINGE HEMANT PRAKASH	186201	Hemant
38	BHAGAT AKASH CHHAGAN	186202	Akash
39	BHAGDE VIJAY PRABHAKAR	186203	Vijay
40	/BHANGARE SANTOSHI VISHNU	186204	Santoshi
41	BHASKAR ANIKET YASHWANT	186205	ANiket
42	/BONDRE VANITA VIJAY	186206	Vanita
43	BURHADE MANGESH VIKRANT	186207	mangesh
44	CHAVRE SANCHIT NAVNATH	186208	Sanchit
45	DANGAT TEJAS SHRIDHAR	186209	Tejal
46	DHAMNE AKSHAY RAGHUNATH	186210	Akshay
47	FARDE DURWESH NAMDEV	186211	DNFarde
48	GAWALI ATUL BHARAT	186212	ABGawali
49	GORALE DIPAK DASHARATH	186214	Dipak
50	GUJAR PRATHAMESH VIKAS	186215	Prathamesh
51	/JADHAV SONALI YASHWANT	186216	Sonali
52	JAKHERE RAKESH SONALI	186217	Rakesh
53	KADAV VINOD PANDHARINATH	186218	VPKadar
54	LOBHI RAVINDRA KALURAM	186219	Ravindra
55	LOKHANDE SUNIL BHAURAO	186220	Sunil
56	MONDHULA KALPESH NAMDEV	186221	Kalpesh
57	PATIL SHUBHAM SANGRAM	186222	SSPatil
58	PATOLE VISHWAS PANDHARINATH	186223	VPPatole
59	RATHOD AMOL UDAYSINGH	186224	ARathod
60	SABALE ANIKET NAMDEV	186225	ANSabale
61	SAWANT PRATHAMESH RAVIKANT	186226	PRsawant
62	TITKARE PRASHANT JAYWANT	186227	Prashant
63	UBALE JAYESH ARUN	186228	JAUbale
64	SOGIR SUMIT ANIL	186229	Sumit
65	WATEKAR AKSHAY SUNIL	186230	ASWatekar
66	ADWALE JAGDISH BHAGWAN	186231	JBAdwale
67	SHIROLE BHUSHAN SURESH	186232	BSShirole
68	BHOIR SAMEER BHARAT	186233	Sameer
69	WARAVATE SAGAR PANDURANG	186234	SPWaravate
70	BHANGARE KRUSHANA VILAS	186235	KVBhangare
71	BHOIR VAIBHAV GANESH	186236	VGBhoir
72	/THAKUR PRAJAKTA BAJIRAV	186237	Prajakta
73	/CHAVAN VINAYA JAYANT	186238	VJChavan
74	KHAIRNAR SHASHIKANT HANSRAJ	186239	Shashikant
75	THAKARE ABHISHEK BALIRAM	186240	ABThakare





Jeevandeep Shikshan Sanstha's

Art's, Commerce and Science College, Khardi

Tal. Shahapur, Dist. Thane : 421601

(Affiliated to University of Mumbai)



30 Hrs. Basic Certificate course

ATTENDANCE SHEET : 2018-2019

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018										TIME : 12:00PM TO 02:00PM		
		2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul		
1	BALKHANDE RAJATNA SONAJI	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande	Balkhande
2	BHERE RESHMA EKNATH	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere
3	BHERE RUSHIKESH VITTHAL	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere	Bhere
4	BHOIR MAYJRI KONDU	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
5	BHOIR SANKET SANTOSH	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
6	CHAUDHARI AJIT GURUNATH	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari	Chaudhari
7	DAMSE DHANANJAY VINAYAK	Damse	Damse	Damse	Damse	Damse	Damse	Damse	Damse	Damse	Damse	Damse	Damse	Damse
8	GHOTE AKSHADA BHALCHANDRA	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote	Ghote
9	GILANDE VINAYAK KALU	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande	Gilande
10	GODE NARAYAN RAMDAS	Gode	Gode	Gode	Gode	Gode	Gode	Gode	Gode	Gode	Gode	Gode	Gode	Gode
11	GOLE MANALI VINOD	Gole	Gole	Gole	Gole	Gole	Gole	Gole	Gole	Gole	Gole	Gole	Gole	Gole
12	HUSSAIN JUBAIDKHAN ASHRAF	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain	Hussain
13	KHANDAGALE APURVA BHAGAVAN	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale	Khandagale
14	KIRPAN POCJA RAMESH	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan	Kirpan
15	MHASAL SUNIL DEVIDAS	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal	Mhasal





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30 Hrs. Basic Certificate course

ATTENDANCE SHEET : 2018-2019

SR. NO. / ID	NAME OF THE STUDENT	2 JULY 2018 TO 16 JULY 2018		
		14-Jul	15-Jul	16-Jul
1	BALKHANDE RAIRATNA SONAJI	<u>Balkhande</u>	<u>Balkhande</u>	<u>Balkhande</u>
2	BHERE RESHMA EKNATH	<u>Bhere</u>	<u>Bhere</u>	<u>Bhere</u>
3	BHERE RUSHIKESH VITTHAL	<u>R.V.Bhere</u>	<u>R.V.Bhere</u>	<u>R.V.Bhere</u>
4	BHOIR MAYURI KONDU	<u>Bhoir</u>	<u>Bhoir</u>	<u>Bhoir</u>
5	BHOIR SANKET SANTOSH	<u>S.S.Bhoir</u>	<u>S.S.Bhoir</u>	<u>S.S.Bhoir</u>
6	CHAUDHARI AJIT GURUNATH	<u>G.A.Chaudhary</u>	<u>G.A.Chaudhary</u>	<u>G.A.Chaudhary</u>
7	DAMSE DHANANJAY VINAYAK	<u>D.V.Damse</u>	<u>D.V.Damse</u>	<u>D.V.Damse</u>
8	GHOTE AKSHADA BHALCHANDRA	<u>G.A.Ghote</u>	<u>G.A.Ghote</u>	<u>G.A.Ghote</u>
9	GILANDE VINAYAK KALU	<u>G.V.Gilande</u>	<u>G.V.Gilande</u>	<u>G.V.Gilande</u>
10	GODE NARAYAN RAMDAS	<u>G.N.Gode</u>	<u>G.N.Gode</u>	<u>G.N.Gode</u>
11	GOLE MANALI VINOD	<u>G.M.Gole</u>	<u>G.M.Gole</u>	<u>G.M.Gole</u>
12	HUSSEAIN JUBAIDKHAN ASHRAF	<u>H.J.Husseain</u>	<u>H.J.Husseain</u>	<u>H.J.Husseain</u>
13	KHANDAGALEAPURVA BHAGAVAN	<u>K.P.Khandagale</u>	<u>K.P.Khandagale</u>	<u>K.P.Khandagale</u>
14	KIRPAN POOJA RAMESH	<u>P.R.Kirpan</u>	<u>P.R.Kirpan</u>	<u>P.R.Kirpan</u>
15	MHASAL SUNIL DEVIDAS	<u>S.D.Mhasal</u>	<u>S.D.Mhasal</u>	<u>S.D.Mhasal</u>





Jeevandeep Shikshan Sanstha's
Art's, Commerce and Science College, Khardi
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ATTENDANCE SHEET : 2018-2019

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018										TIME : 12:00PM TO 02:00PM		
		2-Jul	3-Jul	4-Jul	6-Jul	7-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul			
1	NICHITE NIKHIL SUNIL	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile	Nichite Nikhile			
2	NICHITE SAC-AR BHAU	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare	Nichite Sachare			
3	PALEKAR VISHAL YASHWANT	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal	Palekar Vishal			
4	PASHITE PRATIK PRAVIN	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik	Pashte Pratik			
5	RATHOD PRATIK VINOD	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik	Rathod Pratik			
6	SAGBHOR BHAGWAN SHANKAR	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan	Sagbor Bhagwan			
7	SHINDE PRIYANKA CHINTAMAN	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka	Shinde Priyanka			
8	THORAT ABHIJEET SHASHIKANT	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet	Thorat Abhijeet			
9	UBALE KAPIL PRAKASH	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil	Udale Kapil			
10	UBALE NITESH MUKUND	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh	Udale Nitesh			
11	VISHE VRUSHABH CHANDRAKANT	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh	Vishe Vrushabh			
12	YADAV MADHURI GANESH	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri	Yadav Madhuri			
13	DINGORE ANKET ASHOK	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket	Dingore Anket			
14	CHAUDHARI DILIP TUKARAM	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip	Chaudhari Dilip			
15	PATHAN ANAM ASLAM	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam	Pathan Anam			



SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018		
		14 July	15 Jul	16 Jul
16	NICHITE NIKHIL SUNIL	Nikhil	Nikhil	Nikhil
17	NICHITE SAGAR BHAI	Sagar	Sagar	Sagar
18	PALEKAR VISHAL YASHWANT	Vishal	Vishal	Vishal
19	PASHTHE PRATIK PRAVIN	Pratik	Pratik	Pratik
20	RATHOD PRATIK VINOD	Pratik	Pratik	Pratik
21	SAGBHOR BHAGWAN SHANKAR	Bhagwan	Bhagwan	Bhagwan
22	SHINDE PRIYANKA CHINTAMAN	Priyanka	Priyanka	Priyanka
23	THORAT ABHIJEET SHASHIKANT	Abhi	Abhi	Abhi
24	UBALE KAPIL PRAKASH	Kapil	Kapil	Kapil
25	UBALE NITESH MUKUND	Nitesh	Nitesh	Nitesh
26	VISHI VRUSHABH CHANDRAKANT	Vishu	Vishu	Vishu
27	YADAV MADHURI GANESH	Madhuri	Madhuri	Madhuri
28	DINGORE ANIKET ASHOK	Aniket	Aniket	Aniket
29	CHAUDHARI DILIP TUKARAM	Dilip	Dilip	Dilip
30	PATHAN ANAM ASLAM	Anam	Anam	Anam





Jeevandeeep Shikshan Santha's
Art's, Commerce and Science College, Khardi
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SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018										TIME : 12:00PM TO 02:00PM		
		2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-July		
31	GOLHAIT TATHAGAT MILIND	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G	M.T.G		
32	SHAIKH SAJID KHALID	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid	Shahid		
33	DHANDE BHUSHAN LAXMAN	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu	Dhanu		
34	GAWAL ATUL KUNDLIK	Gawal	Gawal	Gawal	Gawal	Gawal	Gawal	Gawal	Gawal	Gawal	Gawal	Gawal		
35	LAD DAMINI HARISH	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad	Lad		
36	SONAWANE GAURAV VISHWANATH	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane		
37	BASHINGE HEMANT PRAKASH	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge	Bashinge		
38	BHAGAT AKASH CHHAGAN	Acshat	Acshat	Acshat	Acshat	Acshat	Acshat	Acshat	Acshat	Acshat	Acshat	Acshat		
39	BHAGDE VIJAY PRABHAKAR	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade	Bhagade		
40	/BHANGARE SANTOSHI VISHNU	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare	Bhangare		
41	BHASKAR ANIKET YASHWANT	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar	Bhaskar		
42	/BONDRE VA-NITA VIJAY	Bondre	Bondre	Bondre	Bondre	Bondre	Bondre	Bondre	Bondre	Bondre	Bondre	Bondre		
43	BURHADE MANGESH VIKRANT	Burhade	Burhade	Burhade	Burhade	Burhade	Burhade	Burhade	Burhade	Burhade	Burhade	Burhade		
44	CHAVRE SAN-CHIT NAVNATH	Chavre	Chavre	Chavre	Chavre	Chavre	Chavre	Chavre	Chavre	Chavre	Chavre	Chavre		
45	DANGAT TEJAS SHRIDHAR	Dangate	Dangate	Dangate	Dangate	Dangate	Dangate	Dangate	Dangate	Dangate	Dangate	Dangate		





30 Hrs. Basic Certificate course

ATTENDANCE SHEET : 2018-2019

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018			
		14/2/2024	15/3/2024	16/4/2024	
31	GOLHAIT TATHAGAT MILIND	<u>MILIND</u>	<u>MILIND</u>	<u>MILIND</u>	<u>T</u>
32	SHAIKH SAJJID KHALID	<u>SHAIKH SAJJID KHALID</u>	<u>SHAIKH SAJJID KHALID</u>	<u>SHAIKH SAJJID KHALID</u>	
33	DHANDE BHUSHAN LAXMAN	<u>B. L. DHANDE</u>	<u>B. L. DHANDE</u>	<u>B. L. DHANDE</u>	
34	GAWAI ATUL KUNDLIK	<u>ATUL KUNDLIK</u>	<u>ATUL KUNDLIK</u>	<u>ATUL KUNDLIK</u>	
35	LAD DAMINI HARISH	<u>DAMINI HARISH</u>	<u>DAMINI HARISH</u>	<u>DAMINI HARISH</u>	
36	SONAWANE GAURAV VISHWANATH	<u>GAURAV VISHWANATH</u>	<u>GAURAV VISHWANATH</u>	<u>GAURAV VISHWANATH</u>	
37	BASHINGE HEMANT PRAKASH	<u>HEMANT PRAKASH</u>	<u>HEMANT PRAKASH</u>	<u>HEMANT PRAKASH</u>	
38	BHAGAT AKASH CHHAGAN	<u>AKASH CHHAGAN</u>	<u>AKASH CHHAGAN</u>	<u>AKASH CHHAGAN</u>	
39	BHAGDE VIJAY PRABHAKAR	<u>VIJAY PRABHAKAR</u>	<u>VIJAY PRABHAKAR</u>	<u>VIJAY PRABHAKAR</u>	
40	/BHANGARE SANTOSHI VISHNU	<u>S. V. BHANGARE</u>	<u>S. V. BHANGARE</u>	<u>S. V. BHANGARE</u>	
41	BHASKAR ANIKET YASHWANT	<u>ANIKET YASHWANT</u>	<u>ANIKET YASHWANT</u>	<u>ANIKET YASHWANT</u>	
42	/BONDRE VANITA VIJAY	<u>VANITA VIJAY</u>	<u>VANITA VIJAY</u>	<u>VANITA VIJAY</u>	
43	BURHADE MANGESH VIKRANT	<u>MANGESH VIKRANT</u>	<u>MANGESH VIKRANT</u>	<u>MANGESH VIKRANT</u>	
44	CHAVRE SANCHIT NAVNATH	<u>SANCHIT NAVNATH</u>	<u>SANCHIT NAVNATH</u>	<u>SANCHIT NAVNATH</u>	
45	DANGAT TEJAS SHRIDHAR	<u>TEJAS SHRIDHAR</u>	<u>TEJAS SHRIDHAR</u>	<u>TEJAS SHRIDHAR</u>	



SR. NO./ ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018									
		2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	9-Jul	10-Jul	11-Jul	
46	DHAMN E AKSHAY RAGHUNATH	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
47	FARDE DURWESH NAMDEV	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
48	GAWALI ATUL BHARAT	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
49	GORALE DIPAK DASHARATH	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
50	GUJAR FRATHAMESH VIKAS	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
51	JADHAV SONALI YASHWANT	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
52	JAKHETE RAKESH SONALI	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
53	KADAV VINOD PANDHARINATH	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
54	LOHRI RAVINDRA KALURAM	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
55	LOKHANDE SUNIL BHAURAO	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
56	MONDEJULA KALPESH NAMDEV	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
57	PATIL SHUBHAM SANGRAM	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
58	PATOLE VISHWAS PANDHARINATH	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
59	RATHOD AMOL UDAYSINGH	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
60	SABALE ANIKET NAMDEV	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
61	SAWANT PRATHAMESH RAVIKANT	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
62	TITKARE PRASHANT JAYWANT	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
63	UBALE JAYESH ARUN	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
64	SOGIR SUMIT ANIL	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
65	WATEKAR AKSHAY SUNIL	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
66	ADWALE JAGDISH BHAGWAN	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
67	SHIROLE BHUSHAN SURESH	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	
68	BHOIR SAMEER BHARAT	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	<u>Patole</u>	



SR. NO./ ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018				
		12 July	13 Jul	14 July	15 July	16 July
46	DHAMNE AKSHAY RAGHUNATH	Atkale	Atkale	Atkale	Atkale	Atkale
47	FARDE DURWESH NAMDEV	Farde	Farde	Farde	Farde	Farde
48	GAWALI ATUL BHARAT	Agarwal	Agarwal	Agarwal	Agarwal	Agarwal
49	GORALE DIPAK DASHARATH	G.D.D.	G.D.D.	G.D.D.	G.D.D.	G.D.D.
50	GUJAR PRATHAMESH VIKAS	Patil	Patil	Patil	Patil	Patil
51	JADHA' SONALI YASHWANT	Sadav	Sadav	Sadav	Sadav	Sadav
52	JAKHERE RAKESH SONALI	Rakhere	Rakhere	Rakhere	Rakhere	Rakhere
53	KADAV VINOD PANDHARINATH	Kadav	Kadav	Kadav	Kadav	Kadav
54	LOBHIRAVINDRA KALURAM	RKL	RKL	RKL	RKL	RKL
55	LOKHANDE SUNIL BHURA0	Kunil	Kunil	Kunil	Kunil	Kunil
56	MONDHULA KALPESH NAMDEV	Rondhula	Rondhula	Rondhula	Rondhula	Rondhula
57	PATIL SHUBHAM SANGRAM	Patil	Patil	Patil	Patil	Patil
58	PATOLE VISHWAS PANDHARINATH	Patole	Patole	Patole	Patole	Patole
59	RATHOD AMOL UDAYSINGH	Rathod	Rathod	Rathod	Rathod	Rathod
60	SABALE ANIKET NAMDEV	Ansable	Ansable	Ansable	Ansable	Ansable
61	SAWANT PRATHAMESH RAVIKANT	R	R	R	R	R
62	TITKARE PRASHANT JAYWANT	Titkare	Titkare	Titkare	Titkare	Titkare
63	UBALE LA YESH ARUN	Udale	Udale	Udale	Udale	Udale
64	SOGIR SUMIT ANIL	Sogir	Sogir	Sogir	Sogir	Sogir
65	WATEKAR AKSHAY SUNIL	Watekar	Watekar	Watekar	Watekar	Watekar
66	ADWALE JAGDISH BHAGWAN	JBA	JBA	JBA	JBA	JBA
67	SHIROLE BHUSHAN SURESH	Bshirole	Bshirole	Bshirole	Bshirole	Bshirole
68	BHOIR SAMEER BHARAT	SDB	SDB	SDB	SDB	SDB





Jeevandeep Shikshan Santha's
Art's, Commerce and Science College, Khardi
Tal. Shahapur, Dist. Thane : 421601
(Affiliated to University of Mumbai)



30 Hrs. Basic Certificate course

ATTENDANCE SHEET : 2018-2019

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018										
		2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul
69	WARAVATE SAGAR PANDURANG	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin	S. Pravin
70	BHANGARE KRUSHANA VILAS	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.	B. K. V.
71	BHOIR VAHNAV GANESH	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.
72	THAKUR PEJAKTA BAJIRAV	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.
73	CHAVAN VJAY JAYANT	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.
74	KHARNAR SHASHIKANT HANSRAJ	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.
75	THAKARE ABHISHEK BALIRAM	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.	T. B. V.
53	KADAV VINOD PANDHARINATH	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.	V. B. V.
54	LOBHI RAVINDRA KALURAM	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.	L. B. V.
55	LOKHANDE SUNIL BHARAO	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.	S. B. V.
56	MONDHULA KALPESH NAMDEV	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.	M. B. V.
57	PATIL SHUBHAM SANGRAM	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.
58	PATOLE VISHWAS PANDHARINATH	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.	P. B. V.
59	RATHOD ANJOL UDAYSINGH	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.	R. B. V.





Jeevandeep Shikshan Santha's
Art's, Commerce and Science College, Khardi
Tal. Shahapur, Dist. Thane : 421601
(Affiliated to University of Mumbai)



30 Hrs. Basic Certificate course

ATTENDANCE SHEET : 2018-2019

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 02 JULY 2018 TO 16 JULY 2018			12.00 to 2.00 pm
		14 July	15 July	16 July	
69	WARAVATE SAGAR PANDURANG	Sagarvate	Sagarvate	Sagarvate	
70	BHANGARE KRUSHANA VILAS	Bhangare	Bhangare	Bhangare	
71	BHOIR VAIBHAV GANESH	Vibhav B	Vibhav B	Vibhav B	
72	THAKUR PRAJAKTA BAJIRAV	Prajakta	Prajakta	Prajakta	
73	CHAVAN VINAYA JAYANT	Vinaya	Vinaya	Vinaya	
74	KHARNAR SHASHIKANT HANSRAJ	Shashikant	Shashikant	Shashikant	
75	THAKARE ABHISHEK BALIRAM	Abhishek	Abhishek	Abhishek	
53	KADAV VINOD PANDHARINATH	Vinod K.	Vinod K.	Vinod K.	
54	LOBHIRA VINDRA KALURAM	L. Ravi	L. Ravi	L. Ravi	
55	LOKHANDE SUNIL BHURAOR	S. B. L.	S. B. L.	S. B. L.	
56	MONDHULA KALPESH NAMDEV	Kalpesh	Kalpesh	Kalpesh	
57	PATIL SHUBHAM SANGRAM	Patil	Patil	Patil	
58	PATOLE VISHWAS PANDHARINATH	Vishwas	Vishwas	Vishwas	
59	RATHOD AMOL UDAY SINGH	Amol	Amol	Amol	



Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Short term course- Mobile Computing

Board of studies-2018-2019

PRATICAL SHEET

1. Installation of Android studio.

2 Development Of Hello World Application

3 Create an application that takes the name from a text box and shows hello message along with the name entered in text box, when the user clicks the OK button

4 Create a screen that has input boxes for User Name, Password, Address, Gender (radio buttons for male and female), Age (numeric), Date of Birth (Date Picket), State (Spinner) and a Submit button. On clicking the submit button, print all the data below the Submit Button (use any layout)

5 Design an android application to create page using Intent and one Button and pass the Values from one Activity to second Activity

6 Design an android application Send SMS using Intent

7 Create an android application using Fragments

8 Design an android application Using Radio buttons

9 Design an android application for menu.

10 Create a user registration application that stores the user details in a database table.



Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Department of Information Technology.

Short term course- Mobile Computing

Board of studies-2018-19 THEORY MARKS SHEET

SR.NO	STUDENT NAME	ROLL NO	Marks 50
1	BALKHANDE RAJRATNA SONAJI	183201	24
2	BHERE RESHMA EKNATH	183202	29
3	BHERE RUSHIKESH VITTHAL	183203	35
4	BHOIR MAYURI KONDU	183204	27
5	BHOIR SANKET SANTOSH	183205	26
6	CHAUDHARI AJIT GURUNATH	183206	35
7	DAMSE DHANANJAY VINAYAK	183207	41
8	GHOTE AKSHADA BHALCHANDRA	183208	36
9	GILANDE VINAYAK KALU	183209	29
10	GODE NARAYAN RAMDAS	183210	35
11	GOLE MANALI VINOD	183211	26
12	HUSSAIN JUBAIDKHAN ASHRAF	183212	34
13	KHANDAGALEAPURVA BHAGAVAN	183213	31
14	KIRPAN POOJA RAMESH	183214	26
15	MHASAL SUNIL DEVIDAS	183215	29
16	NICHITE NIKHIL SUNIL	183216	28
17	NICHITE SAGAR BHAU	183217	31
18	PALEKAR VISHAL YASHWANT	183218	30
19	PASHTTE PRATIK PRAVIN	183219	34
20	RATHOD PRATIK VINOD	183220	21
21	SAGBHOR BHAGWAN SHANKAR	183221	26
22	SHINDE PRIYANKA CHINTAMAN	183222	40
23	THORAT ABHIJEET SHASHIKANT	183223	29
24	UBALE KAPIL PRAKASH	183224	32
25	UBALE NITESH MUKUND	183225	40
26	VISHNUE VRUSHABH CHANDRAKANT	183226	26
27	YADAV MADHURI GANESH	183227	35
28	DINGORE ANIKET ASHOK	183228	41
29	CHAUDHARI DILIP TUKARAM	183229	36
30	PATHAN ANAM ASLAM	183230	29
31	GOLHAIT TATHAGAT MILIND	183231	35
32	SHAIKH SAJID KHALID	183232	26
33	DHANDE BHUSHAN LAXMAN	183233	34



34	GAWAI ATUL KUNDLIK	183234	31
35	LAD DAMINI HARISH	183235	26
36	SONAWANE GAURAV VISHWANATH	183236	29
37	BASHINGE HEMANT PRAKASH	186201	28
38	BHAGAT AKASH CHHAGAN	186202	31
39	BHAGDE VIJAY PRABHAKAR	186203	30
40	/BHANGARE SANTOSHI VISHNU	186204	34
41	BHASKAR ANIKET YASHWANT	186205	21
42	/BONDRE VANITA VIJAY	186206	26
43	BURHADE MANGESH VIKRANT	186207	40
44	CHAVRE SANCHIT NAVNATH	186208	29
45	DANGAT TEJAS SHRIDHAR	186209	32
46	DHAMNE AKSHAY RAGHUNATH	186210	31
47	FARDE DURWESH NAMDEV	186211	30
48	GAWALI ATUL BHARAT	186212	34
49	GORALE DIPAK DASHARATH	186214	21
50	GUJAR PRATHAMESH VIKAS	186215	26
51	/JADHAV SONALI YASHWANT	186216	40
52	JAKHERE RAKESH SONALI	186217	29
53	KADAV VINOD PANDHARINATH	186218	32
54	LOBHI RAVINDRA KALURAM	186219	26
55	LOKHANDE SUNIL BHAURAO	186220	22
56	MONDHULA KALPESH NAMDEV	186221	31
57	PATIL SHUBHAM SANGRAM	186222	30
58	PATOLE VISHWAS PANDHARINATH	186223	34
59	RATHOD AMOL UDAYSINGH	186224	21
60	SABALE ANIKET NAMDEV	186225	32
61	SAWANT PRATHAMESH RAVIKANT	186226	31
62	TITKARE PRASHANT JAYWANT	186227	30
63	UBALE JAYESH ARUN	186228	34
64	SOGIR SUMIT ANIL	186229	32
65	WATEKAR AKSHAY SUNIL	186230	31
66	ADWALE JAGDISH BHAGWAN	186231	30
67	SHIROLE BHUSHAN SURESH	186232	34
68	BHOIR SAMEER BHARAT	186233	21
69	WARAVATE SAGAR PANDURANG	186234	26
70	BHANGARE KRUSHANA VILAS	186235	40
71	BHOIR VAIBHAV GANESH	186236	29
72	/THAKUR PRAJAKTA RAJRAV	186237	32
73	/CHAVAN VINAYA JAYANT	186238	31
74	KHAIRNAR SHASHIKANT HANSRAJ	186239	30
75	THAKARE ABHISHEK BALIRAM	186240	34



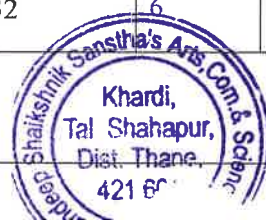
**ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

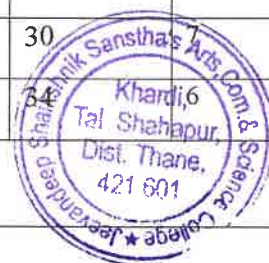
Short term course- Mobile Computing

Board of studies-2018-19 PRATICALS MARKS SHEET

SR.NO	STUDENT NAME	ROLL NO	PRATICAL 40	ORAL 10	Total 50
1	BALKHANDE RAJRATNA SONAJI	183201	20	5	25
2	BHERE RESHMA EKNATH	183202	24	6	30
3	BHERE RUSHIKESH VITTHAL	183203	30	7	37
4	BHOIR MAYURI KONDU	183204	32	6	38
5	BHOIR SANKET SANTOSH	183205	31	4	35
6	CHAUDHARI AJIT GURUNATH	183206	30	8	38
7	DAMSE DHANANJAY VINAYAK	183207	34	5	39
8	GHOTE AKSHADA BHALCHANDRA	183208	21	6	27
9	GILANDE VINAYAK KALU	183209	26	4	30
10	GODE NARAYAN RAMDAS	183210	40	6	46
11	GOLE MANALI VINOD	183211	29	8	37
12	HUSSAIN JUBAIDKHAN ASHRAF	183212	32	6	38
13	KHANDAGALEAPURVA BHAGAVAN	183213	31	6	37
14	KIRPAN POOJA RAMESH	183214	22	5	27
15	MHASAL SUNIL DEVIDAS	183215	32	6	38
16	NICHITE NIKHIL SUNIL	183216	31	7	38
17	NICHITE SAGAR BHAU	183217	30	6	36
18	PALEKAR VISHAL YASHWANT	183218	34	4	38
19	PAShte PRATIK PRAVIN	183219	21	8	29
20	RATHOD PRATIK VINOD	183220	26	5	31
21	SAGBHOR BHAGWAN SHANKAR	183221	40	6	46
22	SHINDE PRIYANKA CHINTAMAN	183222	29	4	33
23	THORAT ABHIJEET SHASHIKANT	183223	32	6	38



24	UBALE KAPIL PRAKASH	183224	31	8	39
25	UBALE NITESH MUKUND	183225	30	6	36
26	VISHE VRUSHABH CHANDRAKANT	183226	31	6	37
27	YADAV MADHURI GANESH	183227	30	5	35
28	DINGORE ANIKET ASHOK	183228	34	6	40
29	CHAUDHARI DILIP TUKARAM	183229	21	7	28
30	PATHAN ANAM ASLAM	183230	26	6	32
31	GOLHAIT TATHAGAT MILIND	183231	40	4	44
32	SHAIKH SAJID KHALID	183232	29	8	37
33	DHANDE BHUSHAN LAXMAN	183233	32	5	37
34	GAWAI ATUL KUNDLIK	183234	22	8	30
35	LAD DAMINI HARISH	183235	19	7	26
36	SONAWANE GAURAV VISHWANATH	183236	25	5	30
37	BASHINGE HEMANT PRAKASH	186201	30	5	35
38	BHAGAT AKASH CHHAGAN	186202	32	7	39
39	BHAGDE VIJAY PRABHAKAR	186203	31	8	39
40	/BHANGARE SANTOSHI VISHNU	186204	30	4	34
41	BHASKAR ANIKET YASHWANT	186205	34	6	40
42	/BONDRE VANITA VIJAY	186206	21	5	26
43	BURHADE MANGESH VIKRANT	186207	26	6	32
44	CHAVRE SANCHIT NAVNATH	186208	40	7	47
45	DANGAT TEJAS SHRIDHAR	186209	29	6	35
46	DHAMNE AKSHAY RAGHUNATH	186210	31	4	35
47	FARDE DURWESH NAMDEV	186211	25	8	33
48	GAWALI ATUL BHARAT	186212	31	5	36
49	GORALE DIPAK DASHARATH	186214	22	6	28
50	GUJAR PRATHAMESH VIKAS	186215	26	4	30
51	/JADHAV SONALI YASHWANT	186216	32	5	37
52	JAKHERE RAKESH SONALI	186217	31	6	37
53	KADAV VINOD PANDHARINATH	186218	30		37
54	LOBHI RAVINDRA KALURAM	186219	34		40



55	LOKHANDE SUNIL BHAURAO	186220	21	4	25
56	MONDHULA KALPESH NAMDEV	186221	26	8	34
57	PATIL SHUBHAM SANGRAM	186222	40	5	45
58	PATOLE VISHWAS PANDHARINATH	186223	29	4	33
59	RATHOD AMOL UDAYSINGH	186224	31	6	37
60	SABALE ANIKET NAMDEV	186225	20	7	27
61	SAWANT PRATHAMESH RAVIKANT	186226	32	6	38
62	TITKARE PRASHANT JAYWANT	186227	31	7	38
63	UBALE JAYESH ARUN	186228	30	5	35
64	SOGIR SUMIT ANIL	186229	34	6	40
65	WATEKAR AKSHAY SUNIL	186230	21	7	28
66	ADWALE JAGDISH BHAGWAN	186231	26	6	32
67	SHIROLE BHUSHAN SURESH	186232	31	4	35
68	BHOIR SAMEER BHARAT	186233	25	8	33
69	WARAVATE SAGAR PANDURANG	186234	36	5	41
70	BHANGARE KRUSHANA VILAS	186235	20	6	26
71	BHOIR VAIBHAV GANESH	186236	32	4	36
72	/THAKUR PRAJAKTA BAJRAV	186237	31	6	37
73	/CHAVAN VINAYA JAYANT	186238	30	8	38
74	KHAIRNAR SHASHIKANT HANSRAJ	186239	34	6	40
75	THAKARE ABHISHEK BALIRAM	186240	21	5	26



Principal
Jeevandeep Shaikshanik Sanstha Poi's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



Sl. No.	NAME OF THE CANDIDATE	S.Y.B.Com	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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[illegible]

Sl. No.	Student Name	Class	8/1/18	8/2/18	8/3/18	8/4/18	8/5/18	8/6/18
1	Adhikari Samiksha Santosh	F.Y.B.Com	P	P	P	P	P	P
2	Gharat Ganesh Anil	F.Y.B.Com	P	P	P	P	P	P
3	Dagale Pooja Kisan	F.Y.B.Com	P	P	P	P	P	P
4	Bhoir Akshay Shashikant	F.Y.B.Com	P	P	P	P	P	P
5	Dhasade Damini Janu	F.Y.B.Com	P	P	P	P	P	P
6	Pawar Simran Santosh	S.Y.B.Com	P	P	P	P	P	P
7	NIMSE AARTI SURESH	S.Y.B.Com	P	P	P	P	P	P
8	Bhakare Kiran Gurunath	S.Y.B.Com	P	P	P	P	P	P
9	Aare Avinash Anitya	S.Y.B.Com	P	P	P	P	P	P
10	Udale Akash Ravindra	S.Y.B.Com	P	P	P	P	P	P
11	WAGE VAIBHAV ARJUN	T.Y.B.Com	P	P	P	P	P	P
12	BHOIR DEEPAK SURESH	T.Y.B.Com	P	P	P	P	P	P
13	Adhikari Sakshi Satish	T.Y.B.Com	P	P	P	P	P	P
14	KATHORE ROHINI VISHWAS	T.Y.B.Com	P	P	P	P	P	P
15	Desale Juhi Ramesh	T.Y.B.Com	P	P	P	P	P	P
16	NICHITE KUNAL VIJAY	F.Y.B.Com	P	P	P	P	P	P
17	NICHITE RUTIK NARAYAN	F.Y.B.Com	P	P	P	P	P	P
18	SABLE HARSHAD RAVINDRA	F.Y.B.Com	P	P	P	P	P	P
19	SADGIR SANTOSH NIVRUTTI	F.Y.B.Com	P	P	P	P	P	P
20	SANDE SURAJ KATOD	F.Y.B.Com	P	P	P	P	P	P
21	SAPLE BHUSHAN SANTOSH	F.Y.B.Com	P	P	P	P	P	P
22	GARATE NILESH BALKRISHNA	F.Y.B.Com	P	P	P	P	P	P
23	KANKOSHE ADITYA SUNIL	F.Y.B.Com	P	P	P	P	P	P
24	B NNAR GOKUL LAXMAN	F.Y.B.Com	P	P	P	P	P	P
25	B NNAR PARSHURAM ANANDA	F.Y.B.Com	P	P	P	P	P	P
26	BNNAR POOJA PRAKASH	F.Y.B.Com	P	P	P	P	P	P
27	BORDAWEKAR SHREYA SUNIL	F.Y.B.Com	P	P	P	P	P	P
28	CHAUDHARI RUPESH TANAJI	F.Y.B.Com	P	P	P	P	P	P
29	CHAVHAN GUDDI DAULATRAO	F.Y.B.Com	P	P	P	P	P	P
30	CHAVHAN HARSHALA BHAGWAT	F.Y.B.Com	P	P	P	P	P	P
31	MADHE PRASHANT BHAGWAN	S.Y.B.Com	P	P	P	P	P	P
32	MONDHULA DATTATRAY ALO	S.Y.B.Com	P	P	P	P	P	P
33	MUSALE VIVEK SANTOSH	S.Y.B.Com	P	P	P	P	P	P
34	MUTHE CHAITANYA DATTATRAY	S.Y.B.Com	P	P	P	P	P	P
35	NICHITE PUSHPAK RAJARAM	S.Y.B.Com	P	P	P	P	P	P
36	DUSHELE UJWALA RAJARAM	S.Y.B.Com	P	P	P	P	P	P
37	GAKWAD PRADNYA SACHIN	S.Y.B.Com	P	P	P	P	P	P
38	GARE DEEPAK MAHADU	S.Y.B.Com	P	P	P	P	P	P



Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA
Short term course- Mobile Computing
YEAR 2018-19

DEPARTMENT OF INFORMATION TECHNOLOGY

Report

Date : 30 .

The Department of Information technology JSSP College, Khardi conducted a short term course entitled "Mobile Computing". total 75 students of B.Sc (IT). were admitted in the course. The duration of course was 15 days (7/2/2018 to 16/2/2018). The course was conducted satisfactorily by the Dept. of Information Technology JSSP College , Khardi, Dist : Thane.



Principal

Jeevandeep Shaikshanik Sanstha's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

JeevandeepShaikshanikSanstha's

**ART'S, COMMERCE& SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**
Department of Information Technology

Short term course- Mobile Computing
YEAR 2018-2019







JEEVANDEEP SHAIKHANIK SANSTHA POI'S
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TAL- SHAHAPUR, DIST-THANE 421601
(Permenently affiliated to University of Mumbai)

CERTIFICATE OF COMPLETION

Mr/Ms **BHERE RESHMA EKNATH** has successfully attended the short Term
course on **Mobile Computing** 30 hours duration **02.07.2018 to 31.07.2018** organised by
the Department of Information Technology.

Congratulations and best wishes for the future!

Asst. prcf.Kailas Kalkate

Principal

Jeevandeeep Shaikshanik Sanstha Poit's
Commerce & Science College, Khardi
Tal. Shahapur, Dist. Thane 421601.



Mr. R. N. Ghodvinde

Mr.R.N.Ghodvinde
Chairman





JEEVANDEEP SHAIKHANIK SANSTHA POI'S
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TAL- SHAHAPUR ,DIST-THANE 421601
(Permenently affiliated to University of Mumbai)

CERTIFICATE OF COMPLETION

Mr/Ms KIRPAN POOJA RAMESH has successfully attended the short Term
course on Mobile Computing 30 hours duration 02.07.2018 to 31.07.2018 organised by
the Department of Information Technology.

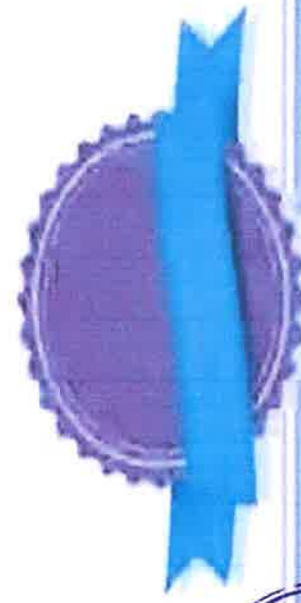
Congratulations and best wishes for the future!

Asst. prcf.Kailas Kalkate

principal

Shaikhanik Sanstha Poit's
Arts & Science College, Khardi
Tal. Shahapur, Dist. Thane 421 601.

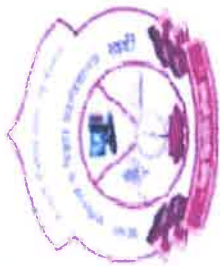
2018



Mr. R. N. Ghodvinde

Mr.R.N.Ghodvinde
Chairman





JEEVANDEEP SHAIKHANIK SANSTHA PO'S
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TAL- SHAHAPUR, DIST-THANE 421601
(Permenently affiliated to University of Mumbai)

CERTIFICATE OF COMPLETION

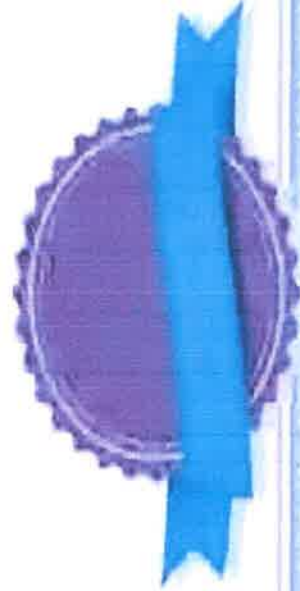
Mr/Ms UBALE KAPIL PRAKASH has successfully attended the short Term
course on Mobile Computing 30 hours duration **02.07.2018 to 31.07.2018** organised by

the Department of Information Technology.

Congratulations and best wishes for the future!

(Signature)

Asst. prof. Kailas Kalkate
principal



(Signature)

Mr. R. N. Ghodvinde
Chairman



JEEVANDDEEP SHAIKHANIK SANSTHA POI'S
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TAL- SHAHAPUR, DIST-THANE 421601
(Permenently affiliated to University of Mumbai)

CERTIFICATE OF COMPLETION

Mr/Ms BHASKAR ANIKET YASHWANT has successfully attended the short Term
course on Mobile Computing 30 hours duration 02.07.2018 to 31.07.2018 organised by
the Department of Information Technology.

Congratulations and best wishes for the future!

Signature

Asst. prof. Kailas Kalkate

Principal

Jeevandeep Shaikhanik Sanstha Poit's
Arts, Commerce & Science College, Khardi
Tal. Shahapur, Dist. Thane-421601.



Signature

Mr.R.N.Ghodvinde
Chairman



JEEVANDEEP SHAIKHANIK SANSTHA POI'S
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TAL- SHAHAPUR, DIST-THANE 421601
(Permenently affiliated to University of Mumbai)

CERTIFICATE OF COMPLETION

Mr/Ms CHAUDHARI DILIP TUKARAM has successfully attended the short Term
course on Mobile Computing 30 hours duration 02.07.2018 to 31.07.2018 organised by

the Department of Information Technology.

Congratulations and best wishes for the future!

Signature

Asst. prof. Kailas Kalkate

Principal

Jeevan Deep Shaikhanik Sanstha PoI's
Commerce & Science College, Khardi
Tal. Shahapur, Dist. Thane 421 601.



Signature
Mr. R. N. Ghodvinde
Chairman

