	Practical) -1		
Aim = to in	pplement	CDNA		
objective = T	o underst	alai O	AMOS to north	used
software &	\$= OS = Process	Unixor	Window 7/8/10	S
Softwere.) softwa:	R = Pyto	a (Jupyter)	3
Theory:	3 2 3 3 3			-
· Here con the reconnection of the reconnectio	continous having all term	transmis Unlimite pinal ax	ision multiple ne of spectra sion of the dicell capacity activated for sa	
Time, sbt1,	1 times slot seri t	Time, slott User	frog band &	
user	User 3	Tuser 1	Freq pand 2 2	I General bound.
OSEC 2	TUSET]	i v ser	fregh Dand I	

gaard time

The Space beth 2 freque band is Guard band.
The Space beth 2 time slot is Guard time

code

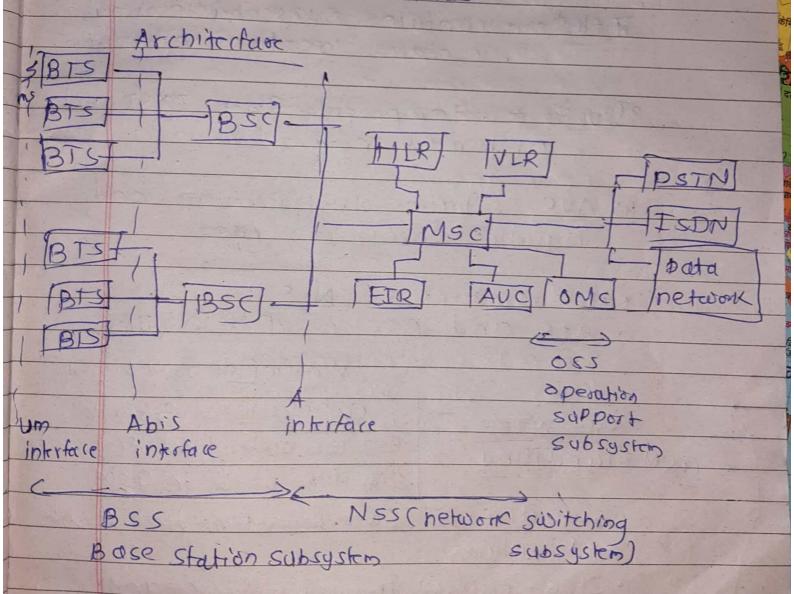
Note = write if requires

conclusion = From this experiment whe understand the implementation of ODNIA and Test it through rode

Aim: to study GSM architecture

Theory:

- for mobile communication
- tele communication Service
- o It is integration of Different voice data and services



- . Msc are connected with a BSC.
 - · Each BSC baving 3 BTS goe connected

Note = If we having extra time write all full form . The interface bet mobile station and BTS is Um interface . The interface beth BIS and BSC B Abis interface · The interface beth BSC and MSC is A intrface The Different Data bases are connected IJ HLR 2 . contains subscriber information · contains location in Armation 23 VLR = temporarily Store IMSI and customers in formation. 3) AUC = takes authoritroation and handles encryption too · MSCIS part of ASS . Bts and BSC is part of BSS Mritecuffer GsM signal conclusion = from this conclusion exp we understand Arch and GSM Signalling = signalling used in asm · signalling is communication beto mobbe and network . It is corned through network and now interfaces of mobile . It based on open system intercorned with competer subsystem

Aim: Study of GPRS Service

objectibre: To understand function of GPRS
Seattlice

Architecture:

[SGBN]

[MSX 47]BSS]-1|SGSN]-GGSN]-PPN

Om GW Gn/Gi

[NSC] HLR]

[VIR]

[SGBN]

[Om GO GO GO

[SGSN]-GOSN]-PPN

Om GW GO GO

[SGSN]-GOSN]-PPN

Om GW GON/GOSN]-PPN

[NSC] HLR]

Fig. GPRS Archiberture

Theory: Stands for general perchelle

- · It is new version of asm
- . It is parket based service
 - · GPRS Support multiple usen
 - · GPRS having dedicated radiochannel
 - , It having time sigts
- and 30 cellular network
- o It follows uplink and downlink frequency.

uplink = It is link from ground station to satellik (890-915 MHZ)

pownlink: It is link from satellite
to Ground Station (935-960)
MHZ

· GPRs having total 8 timesloss

"General Lata rate SF GPRS 15 214 KbPS

· When all 8 slot are dedicated to GPRS tren it give 8 x 21.4 = 171.28 KDRS

Features

1) bandwidth = 200 Hz

2) Datarate = 171.2 KDPS

3) FDD duplex =

conduston.

home GPRs 13 important and how it is used.

	practical-4
***	Aim= simulate BER performance
	objective = . Understand what is Reyleigh
1900	· Study BPSK modulation
1/20	softwar fhardwar windows 7/16/11 mattab.
	Architectura.
	Transmitter receiver ip BPSK 3 y BPSK 1/0 Modulation de-modulation B Source 1/0 fig. System Symbol 90mer Theory
	BER Stands for Bit error rate. · Awam stands for Additive while gowsom Norse (Awan) · BPSK Stands for Binary phase
	in modab
	: maltab is user friendly Simulation

- By Using BPSK the binary digit one and zero is represent.

. Here transmitted wave get disrupt by distortion, nouse is referred as

XWGN

Additive = Noise added to receive signal while = Spectrum of noise is flat

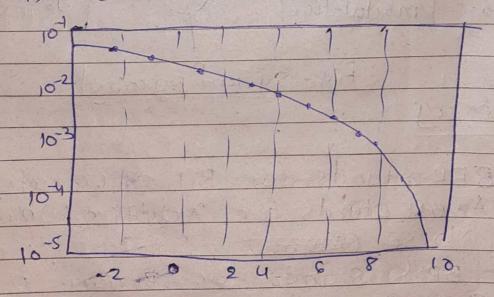
proedure

1) first we generate random BPSK modwated symbol +I and -I

2) Then pass it through AWGM

3) we Domodulate the Foreive Symbol depending on location.

4) count the enror



From this exp we understand How to simulate BFR performance over Rayleign fading by using BPST

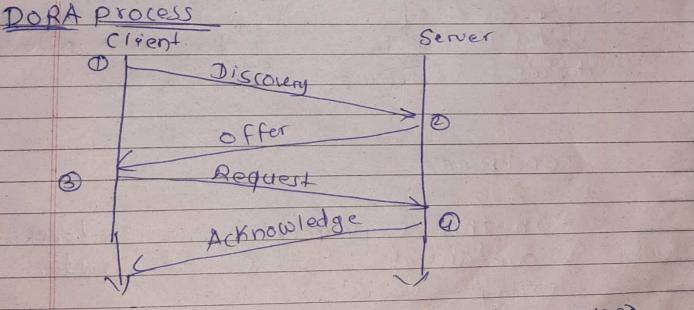
Aim = configure cisco router as DItap

software: open source Linux os

· Cisco parket tracer

Theory

- · DHCP is Dynamic host configuration
- · It is Standard client/ Server retwork
- · It dynamically assign Ip address and offer information to network
- naving Unique ip address



· Itere we navigate to the CHSCO

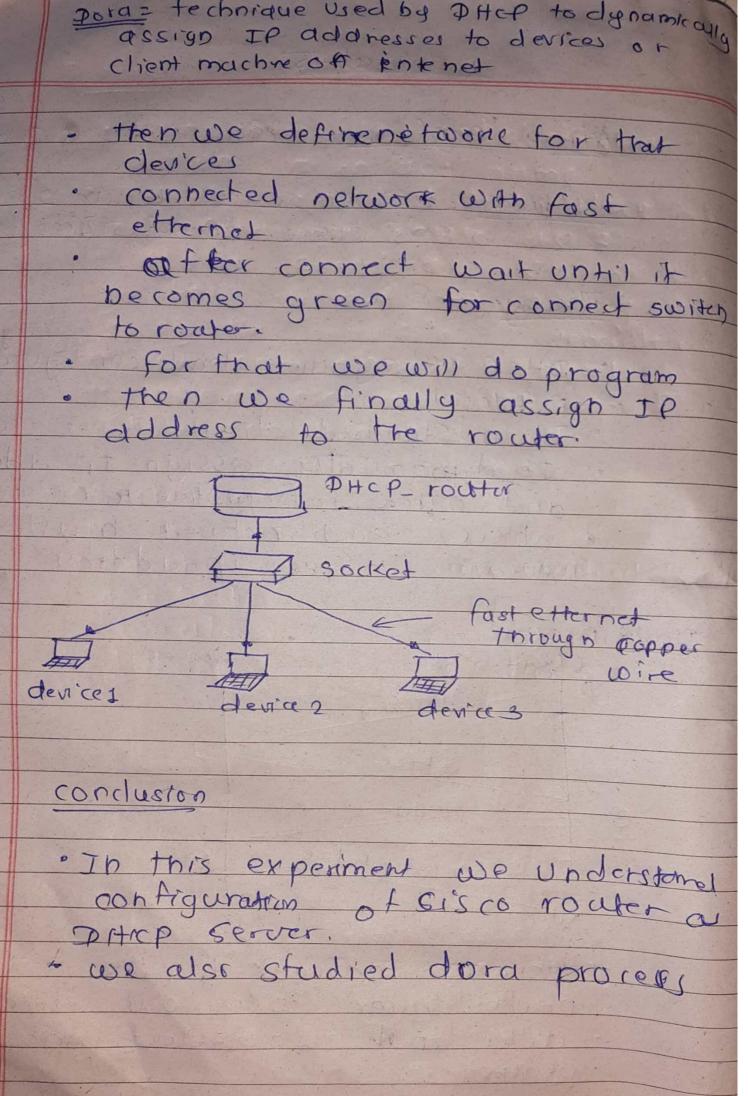
packet tracer with our details

· after that we select one pltcp

router

· connect that router to multiple

Soket and devices through copper wire.



Aim: To understand handover

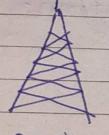
softwar & handwar

· OS = windows 7 Java version = 6 Modila firetox version: 47.0.1

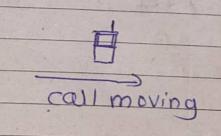
Theory

· handoff is process of mobile communication to transfer the call from one base station to another one without any inturptino 50 duality 1085

. It is also known as handogren



Bask station-1



station -2

- · If handoff is not performed the call is lost or dropped o It is generally used in long distance communication
- · Handoff mantain connectivity bet? 2 devices.

process · open jard file and click start button given any name · sceen re put tre value of frequency recise as 3.

Make speed as 50 or 100 outage 10 generate report
outage 10 generate report
outage Speed · save the generaled report and Show as output · conclusión · In this practical we studied handow practical · we also studied how to mechnism of handoff in Java software

Aim: to study outage probability of

software & handware

- · 05 = Unix or Windows 7/8/10
- · processor = 18/15/17
- · software python or java

Theory - mindel

- · fading is fluctuation of signal over distance of wavelength.
 - . fading is generally divided into flator selective fading, slowford
- · Flat fading occurs when whelesi Signal experiences frequency selection
 - attenuetion.
- . It caused fluctuation in received Stanal.
- · Here component affection same manner
- · Selective Adding occurs when signed experiences different level of attendation
- · Here component affect is diff many

manner

- · signal bandwidth is langer trang
- · Stow fading = It occurs when channel moves slowery over large

object in en viornmen

process 2
= 3747.00
ot- '' to
-> Ddrive - mobile computing - 7 th prag
an a
nderstanding tova file
TO TO THE ROLL STORY
· open the javafile
· Start and give name & ok
= oils inostly
· give input value
) No of multipath = 100
2) NO OF Samples = 1000
3) relocity = 20
4) Threshold = 0.
CONTRACTOR OF THE PROPERTY OF
. Then submit and report and
ceard it
· we get channel, prob vstb
LCR VSTD and ADF VS Th
as output
conclusion
o Inthis experiment we studing
o Inthis experiment we studied outage probability LCR& APT in
SISB FET
· we perform different Stops for it

THE DESIGNATION OF STREET AT

Aim: File sharing by top.

Software 1: hordware

D python

H) Linux OS

3) US code

Theory:

Tok

· socket allow communication beto different processor on same machine

· Socket directed into

1) stream soket

3) Datagran soket

8) Raw Socket

4) Sequenced coket

profocal pris used to established connection beth dient & cerver

· for established connection better this two we need to work and code for client & server both

blo cess

· First we need to open vs rode and create one python five · In that we need to write server rode

· create another pythods file and

in that write of client code e open one text file and work random sentence as text · out object is recieved this File from glarver to client · First we need to run Server program Then run cleient program. a After that we get received File in that we get same conext as text file. So by using TCP we transfer Sender Server Using top requestconfirmation conclusion = · from this experiment woundedtone file stewing using top we also study soket lits