



**CENTURION
UNIVERSITY**
*Shaping Lives...
Empowering Communities...*

RF PLANNING & DRIVE TEST

Year:2019

This RF Planning and Drive Test webinar was organized on the year of 2019 On Various Communication Available and Its Challenges.

RF PLANNING and DRIVE TEST



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Date : 24/04/2019

Year : 2019

**Centurion University of Technology and
Management**

Pre-requisites: Nil
Course Type : Audit
(Workshop)
Duration : 30 Hours

Course Objectives:

- Develop the skills required to design a next generation wireless networks
- To involve the students in the theory and practice of wireless communications



Module	Contents	Duration
Module-1	<ul style="list-style-type: none">• RF Propagation path loss• Frequency hopping and Planning	10 hours
Module-2	<ul style="list-style-type: none">• RF Optimization• GSM RF Drive Test• 3G Optimization	10 hours
Module-3	<ul style="list-style-type: none">• EMF Radiation Calculation and testing• 4G Optimization	10 hours
TOTAL		30 hours

Learning Outcomes:

- Various Communications available and its challenges in modern era

Anita Patra



Dr. Anita Patra, Registrar, CUTM

[Signature]



Convener



**A REPORT ON
NAME OF THE EVENT:
RF PLANNING & DRIVE TEST
TOTAL NUMBER OF PARTICIPANTS: 42
ACADEMIC YEAR: 2018-19
DATE: 24.04.2019**

RF planning is the process of assigning frequencies, transmitter locations and parameters to a wireless communications system to evaluate coverage and capacity.



Introduction to Rf



Driving Safety

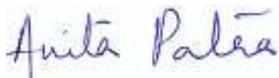
Demonstration on RF planning & Drive test on 24-04-2019

Drive testing captures accurate real-world data of the RF environment when placed under a certain set of environmental and network conditions. New-age modern network simulation techniques made it possible for network engineers to create a mathematical model to evaluate network performance. Though it is true to some extent, drive test in telecom still remains the core of the network evaluation process to evaluate how the user experience the network environment continuously

The participants were asked to understand the concept of developing the skills required to design a next generation wireless network and to involve the students in the theory and practice of wireless communications. Furthermore, the participants were briefed on the various Communications available and its challenges in the modern era.

The following areas were covered in the program.

- RF Propagation Path Loss
- Frequency Hopping and Planning
- RF Optimization
- GSM RF Drive Test
- 3G Optimization
- EMF Radiation Calculation and Testing
- 4G Optimization



Dr. Anita Patra, Registrar, CUTM



Convener



List of Participants:

Name of Event: RF PLANNING & DRIVE TEST

Organized by: Centurion University of Technology and Management

Date: 24 April 2019

This RF Planning and Drive Test webinar was organized in the year of 2019 On Various Communication Available and Its Challenges.

List of Participants:

S.No.	Name	Reg. No.	Present/Absent
1	PRATIK PANDA	180301120001	Present
2	JYOTI PRAKASH SAHOO	180301120002	Present
3	MAYUR MILLAN PATTANAİK	180301120003	Present
4	RUPALI JENA	180301120004	Present
5	PRANGYA PARAMITA BARIK	180301120005	Present
6	NABIN KUMAR DAS	180301120006	Present
7	NEHA MODI	180301120008	Present
8	M. R. ANIKET	180301120009	Present
9	VISHAL KUMAR	180301120010	Present
10	ISHIPRASAD SWAMY	180301120011	Present
11	PRUTHI AKASH RAY	180301120012	Present
12	ROHIT KUMAR	180301120013	Present
13	SAUMYA SWAIN	180301120014	Absent
14	SATYAM SAHOO	180301120015	Present
15	JYOTIRANJAN NAYAK	180301120016	Present
16	SNIGDHA MISHRA	180301120017	Present
17	PRABIN MANTRY	180301120018	Present
18	RATNAKAR TUDU	180301120019	Present
19	SATYAM DAS	180301120020	Present
20	DEEPAK KUMAR NAYAK	180301120021	Present
21	ABHIJIT PANDA	180301120022	Present
22	AKASH ACHARYA	180301120023	Present
23	SOURAV SAGAR	180301120024	Present
24	SHUBHRAJEET SAHOO	180301120025	Present
25	ISHWAR RAI	180301120026	Present
26	ABINASH RAY	180301120027	Present
27	JYOTIRANJAN MOHANTY	180301120028	Present
28	MOHAN CHANDRA MAHANTA	180301120029	Present
29	ANSHUMAN DAS	180301120030	Present
30	ATUL THAKUR	180301120031	Present

31	SURAJ MALLICK	180301120032	Present
32	RUPAK KUMAR PRADHAN	180301120033	Present
33	DHEEMAN PATI	180301120034	Present
34	HARSHIT SWAIN	180301120035	Present
35	SOVAN KUMAR BEHERA	180301120036	Absent
36	PRIYANTU PANDA	180301120037	Present
37	SIBA PRASAD SAHOO	180301120038	Present
38	BISWADEEP MAJI	180301120039	Present
39	ROHIT RAJ	180301120040	Present
40	NIDHI GUPTA	180301120041	Present
41	SHIUBHAM NAYAK	180301120042	Absent
42	A. SUDHA PATRA	180301120043	Absent

Anita Patra



Dr. Anita Patra, Registrar, CUTM

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