



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

CELL SITE & BTS OPERATION

Year: 2019

This Cell Site & BTS Operation and Maintenance webinar was organized on the year of 2019. By Centurion University of Technology and Management. It solves modern challenges on cell and BTS.

**CELL SITE & BTS
OPERATION
and MAINTENANCE**

**Centurion
UNIVERSITY**
*Shaping Lives...
Empowering Communities...*

Date : 27/02/2019

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

Learning Outcomes:

- Various Communications available and its challenges in modern era

Module	Contents	Duration
Module -1	<ul style="list-style-type: none"> • Antennas for mobile Tower • Power supply at BTS • Equipment used in the Shelter 	10 hours
Module -2	<ul style="list-style-type: none"> • Power Interface Unit (PIU) • Line Conditioning Unit (LCU) • Free Cooling Unit (FCU) 	10 hours
Module -3	<ul style="list-style-type: none"> • Preventive Maintenance (PM) & site management • Basic functioning of alarm box and the interface • Concept on TRX & Baseband receiver unit (BBxx). 	10 hours
TOTAL		30 hours

Anita Patra



Dr. Anita Patra, Registrar, CUTM

D. Shrivastava



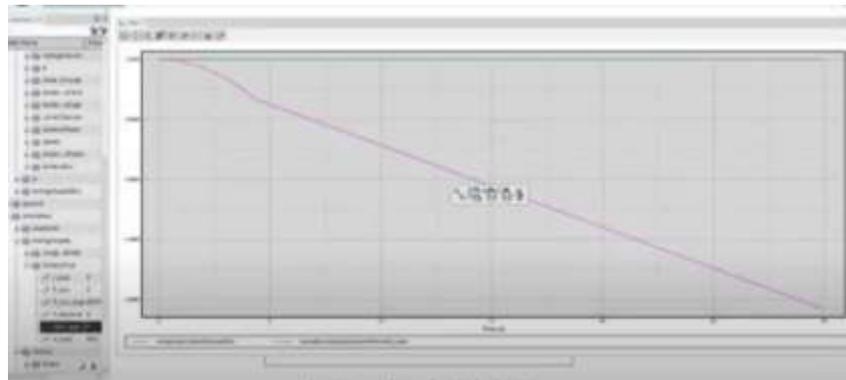
Convener



A REPORT ON
NAME OF THE EVENT:
CELL SITE & BTS OPERATION & MAINTENANCE
TOTAL NUMBER OF PARTICIPANTS: 42
ACADEMIC YEAR: 2018-19
DATE: 27.02.2019

A cell site is defined as the entire set of equipment needed to receive and transmit radio signals for cellular voice and data transmission; typically includes transmitters, receivers, power amplifiers, combiners, filters, a digital signal processor, a power supply and network interface modules.

A base transceiver station (BTS) is a piece of equipment that facilitates wireless communication between user equipment (UE) and a network. UEs are devices like mobile phones (handsets), WLL phones, computers with wireless Internet connectivity, or antennas mounted on buildings or telecommunication towers. The network can be that of any of the wireless communication technologies like GSM, CDMA, wireless local loop, Wi-Fi, WiMAX or other wide area network (WAN) technology.



Basics on BITS on 27.02.2019

Developing the skills required to design a next generation wireless network was the primary objective of the program. The program also intended to involve the students in the theory and practice of wireless communications. Various Communications available and its challenges in the modern era were discussed in the program.

The following points highlight some of the major discussion points highlighted in the program.

- Antennas for mobile Tower
- Power supply at BTS
- Equipment used in the Shelter
- Power Interface Unit (PIU)
- Line Conditioning Unit (LCU)
- Free Cooling Unit (FCU)
- Preventive Maintenance (PM) & site management
- Basic functioning of alarm box and the interface
- Concept on TRX & Baseband receiver unit (BBxx).

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D. Shinde



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List of Participants:

Name of Event: CELL SITE & BTS OPERATION

Organized by: Centurion University of Technology and Management

Date: 27 February 2019

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List of Participants:

S. No.	Name	Reg. No.	Present/Absent
1	Y.TEJAKIRAN	190101130003	Present
2	M.INDUMATI	190101130002	Present
3	CH.CHANDU	190101130001	Present
4	POLAKI DEVUBABU	190101130005	Present
5	P.VENKATA RAJYA PAVAN SHARMA	190101130004	Present
6	M.TARAKESWAR	190101130006	Present
7	M.MEGHANA	190101130008	Present
8	BIKASH KUMAR NAYAK	190101130007	Present
9	KYAW ZAVYU AUNG	190101130009	Present
10	ANEM SAI KRISHNA	190101130011	Present
11	SUBHASH KUMAR	190101130012	Present
12	KANHAIYA KUMAR	190101130013	Present
13	DAKARA PAVAN KUMAR	190101130010	Present
14	SADIQUE RAJA ANSARI	190101130014	Present
15	RAHUL RAJ SHRIVASTAVA	190101130015	Present
16	RAVI KUMAR	190101130017	Present
17	JITESH KUMAR	190101130019	Present
18	KAUSHLENDRA KUMAR	190101130018	Present
19	AMIT CHAUDHARY	190101130020	Present
20	SHANTANU KUMAR	190101130021	Present
21	DENG MARIAL GARANG LUAL	190101130022	Absent
22	KAML NAYAN	190101130023	Present
23	ALOK KIRAN PANIGRAHY	180301130001	Present
24	VIJAY KUMAR MAHTO	180301130002	Present
25	ANAND KUMAR TIWARI	180301130003	Present
26	MANGALDEEP CHAKRABORTY	180301130004	Present
27	SUBHANGI PATRO	180301130005	Present
28	SANDEEP PRADHAN	180301130006	Present
29	SATYABRATA DASH	180301130007	Absent
30	NILESH KUMAR	180301130008	Present

31	SAUBHAGYA MALLICK	180301130009	Present
32	RAHUL KUMAR	180301131010	Present
33	DEBASHIS MAHANTY	190301130001	Present
34	DEEPAK KUMAR SINGH	190301130002	Present
35	MD AZAM ANSARI	190301130003	Present
36	ASHISH KUMAR	190301130004	Present
37	BINIT KUMAR RAM	190301130005	Present
38	M.KISAN KUMAR	190301130006	Present
39	MD TABISH	190301130007	Present
40	HARSH B DHAWALIA	190301130008	Present
41	GOURI SANKAR JENA	190301130009	Absent
42	KIRTI RANJAN SWAIN	190301130010	Present

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D. Shrivastava



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