

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India

Department of Electronics and Communication Engineering



A Report on

TELECOM TECHNOLOGY AWARENESS

Certification Program

2014-15



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC CALENDAR FOR THE YEAR 2014-15		
ODD SEMESTER		
Sl	Tentative Date	Activity
1.	15-07-2013	Departmental Meeting 1- Finalizing the Calendar of Events
2.	21-07-2014 to 25-07-2014	Certification course
3.	01-08-2014	Commencement of Odd Semester Classes
4.	22-08-2014	Technical Talk 1
5.	26-08-2014	Technical Talk 2
6.	01-09-2014 to 04-09-2014	Certification course
7.	04-09-2014	Technical Talk 3
8.	11-09-2014 to 13-09-2014	IA-I
9.	20-09-2014	Technical Talk 4
10	09-10-2014	Technical Talk 5
11	13-10-2014 to 15-10-2014	IA-II
12	12-11-2014 to 14-11-2014	IA-III
13	19-11-2014	Last Working Day
14	29-12-2014 to 30-12-2014	FDP
EVEN SEMESTER		
15	01-01-2015	Departmental Meeting 1- Finalizing the Calendar of Events
16	22-01-2015	Commencement of Odd Semester Classes
17	07-02-2015	Technical Talk 1
18	14-02-2015	Technical Talk 2
19	16-02-2015 to 20-02-2015	Certification Course
20	21-02-2015	Technical Talk 3
21	26-02-2015 to 28-02-2015	IA-I
22	24-03-2015	Technical Talk 4
23	24-04-2015 to 25-04-2015	FDP
24	30-04-2015	Final Year Project Exhibition
25	04-05-2015 to 06-05-2015	IA-II
26	14-05-2015	Technical Talk 5
27	18-05-2015 to 20-05-2015	IA-III
28	23-05-2015	Last Working Day


Time Table Coordinator


Head of the Department
H. O. D.
Dept. Of Electronics & Communication
Alva's Institute of Engg. & Tech.



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DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

From,

Prof. Raghavendra Rao A
Head of the Department
E & C Engineering
Alva's Institute of Engineering and Technology
Moodbidri.

To,

Mr. V.G Nayak
Senior Telecom Engineer
TELECOM House
Pandeshwar, Mangalore

Respected Sir,

Sub: Invitation for Conducting Certification Course- reg:-

With reference to the above subject, we are planning to conduct a certification course for 3rd year students on the topic "**Telecom Technology Awareness Course**" from 21st July 2014 to 25th July 2014 for 5 days. During the days mentioned, students will be visiting Telecom House, Pandeshwar for the certification course.

So I kindly request you to accept this invitation for conducting the certification course.

Thanking you

Yours faithfully

Prof. Raghavendra Rao A
Head of the Department

H. O. D.

Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

11-07-2014

Moodbidri



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From,

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Head of the Department
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To,

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Senior Telecom Engineer
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11-07-2014

Moodbidri

**ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

**Dept. of Electronics and Communication
Engineering**

*Certification Course
On*

**"Telecom Technology Awareness
Course"**

To,

.....
.....

**Dept. of Electronics and Communication
Engineering**

We cordially invite you to the
Certification Course
On

**"Telecom Technology Awareness
Course"**

By
Mr. V.G Nayak
Senior Telecom Engineer
TELECOM House, Pandeshwar, Mangalore

Venue: Telecom House, Pandeshwar
Date: 21/07/2014 to 25/07/2014.

Mr. Santhosh S
Staff Coordinators

Prof. Raghavendra Rao
HOD

About the Institution

Alva's Institute of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation established in the year 2008.

AIET is recognized by All India Council for Technical Education (AICTE), New Delhi and affiliated to Visvesvaraya Technological University (VTU), Belgaum, approved by Govt. of Karnataka. Ranked as one of the best Technical Institute in Dakshina Kannada region. AIET has established Multi-Disciplinary Research Centers viz Center for Robotics, EMS, CAD Center, Linux Lab.

About the Department

Department of Electronics & Communication was started in the year 2008-09. ECE branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. It plays great emphasis on deep understanding of fundamental principles and state of the art knowledge about Electronic Devices and Circuits, Computer Architecture and Microprocessors, VLSI and Embedded systems, Electromagnetic Field Theory,

Analog and Digital Communication, Digital Signal Processing, Microwave and Broadband Communications.

Scope of the Course

A rapidly moving sector such as telecommunications, demands highly skilled employees equipped with well developed cultural and communication skills to respond to the challenges of working internationally.

This course is aimed at those wanting to gain an insight into the wide-ranging aspects of telecoms business and technologies, as well as how telcos are evolving to meet the challenges presented by digital transformation.

Course Content

1. Personality Development
2. 2G & 3G Mobile Network
3. Optical fiber Communication
4. Digital Switching Systems
5. Computer Networks

RESOURCE PERSON

Mr. V.G Nayak
Senior Telecom Engineer
TELECOM House,
Pandeshwar, Mangalore

PROGRAM SCHEDULE

July 21, 2014

Introduction:	09:00 am to 10:00 am
Tea Break:	10:00 am to 10:30 am
Session 1:	10:30 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm

July 22

Session 3:	09:30 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm

July 23

Session 5:	09:30 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm

July 24

Session 7:	09:30 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm

July 25

Session 9:	09:30 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 14:	02:00 pm to 04:00 pm
Valedictory:	04:00 pm to 05:00 pm



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DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 11/07/2014

Circular

It is hereby informed to all the students of 3rd year students that, the department of ECE is conducting certification course on the topic "Telecom Technology Awareness Course" by BSNL Mangalore from 21st July 2014 to 25th July 2014 for 5 days. All students are asked to register for the same.

Coordinator
Mr. Santhosh S

HOD
Prof. Raghavendra Rao



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

V - Sem Student Name list

Certification Course on Telecom Technology Awareness Course

Note: All the below listed students must attend the course from 9.00am to 5.00pm without fail.

#	USN. No.	Name of the Student
1.	4AL11EC011	Arun potsangbam
2.	4AL11EC017	Brahmacharimayam Nixon Sharma
3.	4AL11EC057	Sachin Gowda B.S
4.	4AL11EC074	Syamlal S
5.	4AL11EC077	Yashodharagowda
6.	4AL12EC003	Akhil P
7.	4AL12EC005	Akshara Kathribail
8.	4AL12EC006	Akshay Kumar
9.	4AL12EC008	Akshay Manoharan K
10.	4AL12EC011	Akshitha
11.	4AL12EC014	Ambika S Hugur
12.	4AL12EC015	Anchan Divyalaxmi Diwakar
13.	4AL12EC016	Ankita S
14.	4AL12EC017	Anoop Raj A R
15.	4AL12EC021	Aruna M
16.	4AL12EC022	Ashwini Ci l
17.	4AL12EC023	Ashwini P S
18.	4AL12EC024	Ation Roja H N
19.	4AL12EC025	Binny Ann Verghese
20.	4AL12EC026	Chaitra M
21.	4AL12EC027	Chetan Suvarna
22.	4AL12EC028	Deepak S
23.	4AL12EC030	Geethanjali N
24.	4AL12EC031	Gowrav H
25.	4AL12EC032	Harish G
26.	4AL12EC034	Karthik Mayya M
27.	4AL12EC035	Karthik Shivaprasad Naik
28.	4AL12EC036	Kavya



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29.	4AL12EC037	Kavya D Shetty
30.	4AL12EC038	KiranKumar N
31.	4AL12EC039	Lissa Mathew
32.	4AL12EC040	Madeva A
33.	4AL12EC041	Mannia Mery Joseph C
34.	4AL12EC042	Manukiran D N
35.	4AL12EC045	Mukund Raj S
36.	4AL12EC046	Nayaz Shiekh
37.	4AL12EC047	Nischithra.C
38.	4AL12EC049	Nikitha P Shetty
39.	4AL12EC050	Nithya S
40.	4AL12EC052	Prajna Rai
41.	4AL12EC053	Pratheeka K
42.	4AL12EC054	Praveen Raju
43.	4AL12EC055	Princy Raju
44.	4AL12EC056	Priyanka Donagi
45.	4AL12EC058	Ranjitha Kamath M
46.	4AL12EC059	Rashmi S Baligeri
47.	4AL12EC060	Rashmitha D Souza
48.	4AL12EC061	Rashmitha M
49.	4AL12EC063	Ria Vinitha Dsouza
50.	4AL12EC064	Roopa Motilal Rahod
51.	4AL12EC065	S M Sachin
52.	4AL12EC066	Sachidanand Patil
53.	4AL12EC069	Sangeetha C S
54.	4AL12EC070	Sangeetha Lad N M
55.	4AL12EC071	Santhosh M Mantur
56.	4AL12EC072	Sapna Bhimagonda Patil
57.	4AL12EC073	Sharanya T M
58.	4AL12EC074	Sharath K
59.	4AL12EC075	Shetty Ankith Krishna
60.	4AL12EC076	Shetty Deeksha Sadashiva
61.	4AL12EC077	Shetty Raksha Sadashiva
62.	4AL12EC078	Shetty Shruti Jayakara
63.	4AL12EC079	Shetty Shruti Kushal
64.	4AL12EC080	Shravan S D
65.	4AL12EC081	Shruthi J T



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66.	4AL12EC082	Shruti V
67.	4AL12EC083	Sneha K
68.	4AL12EC084	Suma Benchihalli
69.	4AL12EC085	Supriya
70.	4AL12EC086	Suresh Gaded
71.	4AL12EC087	T R Ashwini
72.	4AL12EC088	Vidya Kumari M
73.	4AL12EC089	Vijeth Joyen Pinto
74.	4AL12EC090	Vikith M R
75.	4AL12EC091	Vinay K J
76.	4AL12EC093	Ballal Reshma Yashwant
77.	4AL12EC412	Prassana Annigeri
78.	4AL12EC412	Rakesh Balappa Kulkarni
79.	4AL13EC400	Amulya R
80.	4AL13EC402	Basavaraj
81.	4AL13EC403	Bharath S Patil
82.	4AL13EC404	Havale Pooja Uday
83.	4AL13EC406	Kusumashree C J
84.	4AL13EC407	Madan Marabagimath
85.	4AL13EC408	Manishkumar Kalmath
86.	4AL13EC410	Pavan kumar
87.	4AL13EC411	Praveen kumar M
88.	4AL13EC412	Preeti Amburao Dhongade
89.	4AL13EC413	Punith MT
90.	4AL13EC414	Shetty Amar Bhaskar
91.	4AL13EC415	Shetty Krishna Vasant
92.	4AL13EC419	Veeresh
93.	4AL13EC420	Vikasa D P
94.	4AL13EC421	Vinodakumar Iragouda Nivalagi


Coordinator


Prof. Raghavendra Rao A
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

V - Sem Attendance list of

Certification Course on Telecom technology awareness Course

#	USN. No.	Name of the Student	21/7	22/7	23/7	24/7	25/7	26/7	27/7	28/7	29/7	30/7
1.	4AL11EC011	Arun potsangbam	1	2	3	4	5	6	7	8	9	A
2.	4AL11EC017	Brahmacharimayam Nixon Sharma	1	2	3	4	5	6	7	8	9	10
3.	4AL11EC057	Sachin Gowda B.S	1	2	3	A	4	5	6	7	8	9
4.	4AL11EC074	Syamlal S	1	2	3	4	A	5	6	7	8	9
5.	4AL11EC077	Yashodharagowda	1	2	A	3	4	5	6	7	8	9
6.	4AL12EC003	Akhil P	1	2	3	4	5	6	7	8	9	10
7.	4AL12EC005	Akshara Kathribail	1	2	3	4	5	6	7	8	9	10
8.	4AL12EC006	Akshay Kumar	A	1	2	3	4	5	6	7	8	9
9.	4AL12EC008	Akshay Manoharan K	1	2	3	4	5	6	7	8	9	10
10.	4AL12EC011	Akshitha	1	A	2	3	4	5	6	7	8	9
11.	4AL12EC014	Ambika S Hugur	1	2	3	4	5	6	7	8	9	10
12.	4AL12EC015	Anchan Divyalaxmi Diwakar	1	2	3	4	A	5	6	7	8	9
13.	4AL12EC016	Ankita S	1	2	3	4	5	6	7	8	9	10
14.	4AL12EC017	Anoop Raj A R	1	2	3	4	5	6	7	8	9	10
15.	4AL12EC021	Aruna M	1	2	3	4	5	6	7	8	A	9
16.	4AL12EC022	Ashwini Ci l	1	2	3	4	5	6	7	8	9	10
17.	4AL12EC023	Ashwini P S	1	2	3	4	5	6	7	8	9	10
18.	4AL12EC024	Ation Roja H N	1	2	3	4	5	6	7	8	9	10
19.	4AL12EC025	Binny Ann Verghese	1	2	3	4	5	6	7	8	9	10

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20.	4AL12EC026	Chaitra M	1	2	3	4	5	6	7	8	9	10
21.	4AL12EC027	Chetan Suvarna	1	2	3	4	5	6	7	8	9	10
22.	4AL12EC028	Deepak S	A	1	2	3	4	5	6	A	7	8
23.	4AL12EC030	Geethanjali N	1	2	3	4	5	6	7	8	9	10
24.	4AL12EC031	Gowrav H	1	2	A	3	4	5	6	7	8	9
25.	4AL12EC032	Harish G	1	2	3	4	5	6	7	8	9	A
26.	4AL12EC034	Karthik Mayya M	1	2	3	4	5	A	6	7	8	9
27.	4AL12EC035	Karthik Shivaprasad Naik	1	2	3	4	5	6	7	8	9	10
28.	4AL12EC036	Kavya	1	2	3	4	5	6	7	8	A	9
29.	4AL12EC037	Kavya D Shetty	A	1	2	3	4	5	6	7	8	9
30.	4AL12EC038	KiranKumar N	1	2	3	4	5	6	7	8	9	10
31.	4AL12EC039	Lissa Mathew	1	2	3	4	5	6	7	8	9	10
32.	4AL12EC040	Madeva A	1	2	3	4	5	6	7	8	9	10
33.	4AL12EC041	Mannia Mery Joseph C	1	2	3	4	5	6	7	8	9	10
34.	4AL12EC042	Manukiran D N	1	2	3	4	5	6	A	7	8	9
35.	4AL12EC045	Mukund Raj S	1	2	3	4	5	6	7	8	9	10
36.	4AL12EC046	Nayaz Shiekh	1	2	3	A	4	5	6	7	8	9
37.	4AL12EC047	Nischithra.C	1	2	3	4	5	6	7	8	9	10
38.	4AL12EC049	Nikitha P Shetty	1	2	3	4	5	6	7	8	9	10
39.	4AL12EC050	Nithya S	1	2	3	4	5	6	7	8	9	10
40.	4AL12EC052	Prajna Rai	1	2	3	4	5	6	7	8	9	10
41.	4AL12EC053	Pratheeka K	1	2	3	4	5	6	7	8	9	10
42.	4AL12EC054	Praveen Raju	1	2	3	4	5	6	7	8	9	10
43.	4AL12EC055	Princy Raju	1	A	2	3	4	5	6	7	8	9



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44.	4AL12EC056	Priyanka Donagi	1	2	3	4	5	6	7	8	9	10
45.	4AL12EC058	Ranjitha Kamath M	1	2	3	4	5	6	A	7	8	9
46.	4AL12EC059	Rashmi S Baligeri	1	2	3	4	5	6	A	7	A	8
47.	4AL12EC060	Rashmitha D Souza	1	2	3	4	5	6	7	8	9	10
48.	4AL12EC061	Rashmitha M	1	2	A	3	4	5	6	7	8	9
49.	4AL12EC063	Ria Vinitha Dsouza	1	2	A	3	4	5	6	7	8	9
50.	4AL12EC064	Roopa Motilal Rahod	1	2	3	4	5	6	7	8	9	10
51.	4AL12EC065	S M Sachin	1	2	3	4	5	A	6	7	8	9
52.	4AL12EC066	Sachidanand Patil	1	2	3	4	5	6	7	8	9	10
53.	4AL12EC069	Sangeetha C S	1	2	3	A	4	5	6	7	8	9
54.	4AL12EC070	Sangeetha Lad N M	1	2	3	4	5	6	7	A	8	A
55.	4AL12EC071	Santhosh M Mantur	1	2	3	4	5	6	7	8	9	10
56.	4AL12EC072	Sapna Bhimagonda Patil	1	2	3	4	5	6	7	8	9	10
57.	4AL12EC073	Sharanya T M	1	2	3	4	5	6	7	8	9	10
58.	4AL12EC074	Sharath K	1	2	3	4	5	6	7	8	9	10
59.	4AL12EC075	Shetty Ankith Krishna	1	2	3	4	5	6	7	8	9	10
60.	4AL12EC076	Shetty Deeksha Sadashiva	1	2	3	4	5	6	7	8	9	10
61.	4AL12EC077	Shetty Raksha Sadashiva	A	1	2	3	4	5	6	7	8	9
62.	4AL12EC078	Shetty Shruti Jayakara	1	2	3	4	5	6	7	8	9	10
63.	4AL12EC079	Shetty Shruti Kushal	1	2	3	4	5	6	7	8	9	10
64.	4AL12EC080	Shravan S D	1	2	3	4	5	6	7	8	9	A
65.	4AL12EC081	Shruthi J T	1	2	3	4	5	6	7	8	9	10
66.	4AL12EC082	Shruti V	1	2	3	4	5	6	7	8	9	10
67.	4AL12EC083	Sneha K	1	A	2	3	4	5	6	7	8	9



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68.	4AL12EC084	Suma Benchihalli	1	2	3	4	5	6	7	8	9	10
69.	4AL12EC085	Supriya	1	2	3	4	5	6	7	8	9	10
70.	4AL12EC086	Suresh Gaded	1	2	3	4	5	6	7	8	9	10
71.	4AL12EC087	T R Ashwini	1	2	3	4	5	6	A	7	8	9
72.	4AL12EC088	Vidya Kumari M	1	2	A	3	4	5	6	7	8	9
73.	4AL12EC089	Vijeth Joyen Pinto	A	1	2	3	4	5	6	7	8	9
74.	4AL12EC090	Vikith M R	1	2	3	4	5	6	7	8	9	10
75.	4AL12EC091	Vinay K J	1	2	3	4	5	6	7	8	9	10
76.	4AL12EC093	Ballal Reshma Yashwant	1	2	3	4	A	5	6	7	8	9
77.	4AL12EC412	Prassana Annigeri	1	2	3	4	5	6	7	8	9	10
78.	4AL12EC412	Rakesh Balappa Kulkarni	1	2	3	4	5	6	7	8	9	10
79.	4AL13EC400	Amulya R	1	2	3	A	4	5	6	7	8	9
80.	4AL13EC402	Basavaraj	1	2	3	4	5	6	7	8	9	10
81.	4AL13EC403	Bharath S Patil	1	2	3	4	5	6	7	A	8	9
82.	4AL13EC404	Havale Pooja Uday	1	2	3	4	5	6	7	8	9	10
83.	4AL13EC406	Kusumashree C J	1	2	3	4	5	6	7	8	A	9
84.	4AL13EC407	Madan Marabagimath	1	2	3	4	5	6	7	8	9	10
85.	4AL13EC408	Manishkumar Kalmath	1	2	3	4	5	6	7	8	9	10
86.	4AL13EC410	Pavan kumar	1	2	3	4	5	6	7	8	9	10
87.	4AL13EC411	Praveen kumar M	1	2	3	4	5	6	7	8	9	10
88.	4AL13EC412	Preeti Amburao Dhongade	A	1	2	3	4	5	A	6	7	8
89.	4AL13EC413	Punith MT	1	2	3	4	5	6	7	8	9	10
90.	4AL13EC414	Shetty Amar Bhaskar	1	2	3	A	4	5	6	7	8	9
91.	4AL13EC415	Shetty Krishna Vasant	1	2	3	4	5	6	7	8	9	10



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92.	4AL13EC419	Veeresh	1	2	3	4	5	6	7	8	9	10
93.	4AL13EC420	Vikasa D P	1	2	3	4	5	6	7	8	9	10
94.	4AL13EC421	Vinodakumar Iragouda Nivalagi	1	2	3	4	5	6	7	8	9	10


Coordinator


Prof. Raghavendra Rao A
Head of the Department
H. O. D.

Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



BHARAT SANCHAR NIGAM LTD.

भारत संचार निगम लिमिटेड BHARAT SANCHAR NIGAM LIMITED

(भारत सरकार का उद्यम)

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दूरसंचार प्रशिक्षण केन्द्र

TELECOM TRAINING CENTRE

पांडेश्वर, मंगलूर. Pandeshwar, Mangalore



प्रमाणित किया जाता है कि This is to certify that

भारत संचार निगम लिमिटेड, मंगलूर द्वारा दिनांक 21st July 25th July

प्रायोजित एक सप्ताह के तकनीकी बोध कार्यक्रम

में लेन देन की श्री/सुश्री स्नेहा के आवास तांत्रिक संस्कृति ने सफलता पूर्वक

पूर्ण किया है।

Mr./Miss Sneha K of Alvas Inst Tech

College Mijar-Moodabidri has participated in Mob. Com. Conq

Telecom Technology Awareness Course conducted by BSNL, Mangalore for

one week from 21st July 2014 To 25th July 2014

and has met the requirements of the Course.

मंगलूर Mangalore

Date : 25.07.2014

Sneha K
उप महाप्रबंधक मंगलूर
Deputy General Manager,



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Department of Electronics and Communication Engineering organized a certification course on Telecom Technology Awareness. Training was held at Telecom house Pandeshwar, lead by V.G Nayak, Senior Telecom Engineer at TELECOM House at Pandeshwar, Mangalore from 21/07/2014 to 25/07/2014. During the session students gains insights on oftical fibers, communication networks, 2G & 3G networks and switching systems.



Fig: Certification program on Telecom Awareness Program at BSNL



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DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Telecom Awareness Program

1. What is the frequency range of the IEEE 802.11a standard?
a. 5Gbps b. 5Gbps c. 2.4GHz d. 5GHz
2. What is the maximum distance running the lowest data rate for 802.11b?
a. About 100 feet b. About 175 feet c. About 300 feet d. About 350 feet
3. What is the maximum distance with maximum data rate for 802.11a?
a. About 65-75 feet b. About 90-100 feet c. About 150 feet d. About 150 feet
4. What is the frequency range of the IEEE 802.11b standard?
a. 2.4Gbps b. 5Gbps c. 2.4GHz d. 5GHz
5. You have a Cisco mesh network. What protocol allows multiple APs to connect with many redundant connections between nodes?
a. LWAPP b. AWPP c. STP d. IEEE
6. What is the maximum data rate for the 802.11g standard?
a. 6Mbps b. 11Mbps c. 22Mbps d. 54Mbps
7. What is the maximum data rate for the 802.11a standard?
a. 6Mbps b. 11Mbps c. 22Mbps d. 54Mbps.
8. How many non-overlapping channels are available with 802.11b?
a. 3 b. 12 c. 23 d. 40
9. How many non-overlapping channels are available with 802.11a?
a. 3 b. 12 c. 23 d. 40
10. What is the maximum distance with maximum data rate for 802.11b?
a. About 65-75 feet b. About 90-100 feet c. About 150 feet d. Over 200 feet
11. What is the maximum distance with maximum data rate for 802.11g?
a. About 65-75 feet b. About 90-100 feet c. About 150 feet d. Over 200 feet
12. What is the maximum distance running the lowest data rate for 802.11a?
a. About 100 feet b. About 175 feet c. About 300 feet d. About 350 feet
13. How many non-overlapping channels are available with 802.11h?
a. 3 b. 12 c. 23 d. 40
14. What is the maximum data rate for the 802.11b standard?
a. 6Mbps b. 11Mbps c. 22Mbps d. 54Mbps

15. In Cisco's Unified Wireless Solution, what is the split-MAC architecture?

- a. The split-MAC architecture uses MAC addresses to create a forward/filter table and break up collision domains.
- b. The split-MAC architecture allows the splitting of 802.11 protocol packets between the AP and the controller to allow processing by both devices.
- c. The split-MAC architecture uses MAC addresses on the wireless network and IP addresses on the wired network.
- d. The split-MAC architecture uses MAC addresses to create a forward/filter table and break up broadcast domains

16. You are connecting your access point and it is set to root. What does Extended Service Set ID mean?

- a. That you have more than one access point and they are in the same SSID connected by a distribution system.
- b. That you have more than one access point and they are in separate SSIDs connected by a distribution system.
- c. That you have multiple access points, but they are placed physically in different buildings
- d. That you have multiple access points, but one is a repeater access point.

17. Cisco's Unified Wireless Solution provides a mesh solution. What devices do you absolutely need to purchase to run a Cisco solution? WCS, Controller, Access point, Bridge

- a. 1 and 2 b. 2 and 3 c. 1 and 4 only d. 4 only

18. What is the frequency range of the IEEE 802.11g standard?

- a. 2.4Gbps b. 5Gbps c. 2.4GHz d. 5GHz

19. How many non-overlapping channels are available with 802.11g?

- a. 3 b. 12 c. 23 d. 40

20. What is the maximum distance running the lowest data rate for 802.11g?

- a. About 100 feet b. About 175 feet c. About 300 feet d. About 350 feet



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FEEDBACK FORM

Five days Student Training Program

On

"Telecom Technology Awareness Course"

For the following areas, please indicate your rating from 1 to 5:

1=strongly Disagree 2=Disagree 3=neither agree nor disagree 4=Agree 5=strongly Agree

S N	Topics	1	2	3	4	5
A.	Content					
1	Understood the basics of telecom technology and services.					✓
2	Understood the multiplexing techniques of communication.				✓	
3	Able to analyze the switching techniques used mobile communication.				✓	
4	Understood the broadband & DSL techniques.				✓	
5	Able to understand Optical fiber communication.					✓
B	Presentation					
6	Instructor's knowledge				✓	
7	Instructor's presentation style				✓	
8	Instructor covered material clearly				✓	
9	Instructor responded well to questions					✓
10	Instructor facilitated interactions among participants well				✓	
C. How could this workshop be improved?						
D. Any other comments or suggestions?						
Industrial Visit to exchange office will be useful.						
E. Overall, how would you rate this workshop?						
<input type="checkbox"/>	Poor	<input checked="" type="checkbox"/>			Good	
<input type="checkbox"/>	Neither Good Nor Poor	<input type="checkbox"/>			Excellent	