ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Phone: 08258-262725, Fax: 08258-262726

Department of Electronics and Communication Engineering



A Report on

"HAM Radio"
Certification Course

ACADEMIC YEAR

2019-2020



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Phone: 08258-262725, Fax: 08258-262726

From.

Date: 18-09-2019

Dr. D V Manjunatha Head of the Department E & C Engineering Alva's Institute of Engineering and Technology Moodbidri.

To,

The Principal Alva's Institute of Engineering and Technology Moodbidri.

Respected Sir,

Sub: Requisition for Conducting Certification Course for 5 days reg:-

With reference to the above subject, we are planning to conduct a certification course on the topic "HAM RADIO IN TODAY'S DIGITAL TECHNOLOGIES AND DISASTER MANAGEMENT" for the students of Electronics and Communication Engineering from 18/11/2019 to 22/11/2019 for 5 days.

So I kindly request you to grant the permission for conducting the certification course.

Thanking you,

Yours faithfully

D.V. J

Dr. D V Manjunatha Head of the Department

AIET Moodbidri

Dr. Peter Fernandes
Principal
AIET Moodbidri
PRINCIPAL

Mijar, MOODBIDRI - 574 225, D.K



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi & Recognised by Government of Karnataka)
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State
Phone: 08258-262724 (O), 262725 (P), Telefax:08258-262726

Email principalalet08@gmail.com, Web:www.aiet.org.in

Ref: AIET/SRISHTI/2019-20

Date: 24-09-2019

From,

The Principal
Alva's Institute of Engineering and Technology,
Shobhavana Campus, Mijar,
Moodbidri – 574225.

To,

Dr. Shankar Sathyapal Director, IIH, Bangalore

Dear Sir,

Firstly, we would like to thank you for having accepted our invitation whole heartedly and to be present here as a Resource person for "HAM (AMATEUR) RADIO IN TODAY'S DIGITAL TECHNOLOGIES & DISASTER MANAGEMENT" organized by Department of Electronics & Communication Engineering, AIET and also for enlightening our student members through the guest talk on 24-09-2019 and making it successful.

We look forward for more such associations with you in future.

Thanking you,

Rug's Institute of Engq. & Technology, Ligar, MOODSIDRI - 5/4 725, U.S.



Alva's Institute of Engineering & Technology Shobhavana, Mijar, Moodbidri –574225 Web: aiet.org.in

Accredited by NBA (ECE)

Department of Electronics and Communication Engineering is Organizing

Five Days Online Workshop on "HAM RADIO IN TODAY'S DIGITAL TECHNOLOGIES AND DISASTER

MANAGEMENT"

18th November 2019 – 22nd November 2019



Dr. D V Manjunatha
Professor & Head, Dept. of ECE



Dr. S. Sathyapal
Director
Indian Institute of HAMs
Karnataka Chapter

dighlights of Workshop

- Exposure to HAM Radio clubs in India and throughout world.
- Design of Transmitter and Receiver antenna.
- Exposure to different modulation techniques.
- Discussion on different modes of communication with respect to HAM Radio.
- Exploration about conducting scientific experiments in radio techniques propagation studies.

Coordinator:

Dr. Dattathreya

Professor, Dept. of ECE AIET, Moodbidri

Ph: 9481582906

Mr. Santosh S

Assistant Professor, Dept. of ECE AIET, Moodbidri

Ph: 9535623318

Registration see: 2010/-

For registration Contact the Coordinators



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Alva's Institute of Engineering Technology, Mijar, Moodbidri is a premier Engineering Institute of Alva's Education Foundation, established in the year 2008, located adjacent to Mangalore-Sholapur National Highway, which is 24 Kms from Mangalore International Airport. The college is recognized by All India Council for Technical Education (AICTE), New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi. The college is ranked as one of the best Technical Institute in South Canara region. The institute offers under graduate programs in 5 branches of Engineering - Computer Science & Engineering, Civil Engineering, Electronics & Communications Engineering, Information Science & Engineering, Mechanical Engineering, Computer Science & Engineering, VLSI Design & Embedded Systems. Seven departments at the institute has been recognized as research centers by Visvesvaraya Technological University, Belagavi.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department of Electronics & Communication at Alva's Institute of Engineering and Technology was started in the year 2008-09. The department is affiliated to Visvesvaraya Technological University (VTU) and was recognized as Research Centre of VTU in the year 2017- 18 and accredited by NBA in 2019-20. The department has an intake of 120 aspirants per year. The department has well-equipped classrooms and computer laboratories with highend systems as per the AICTE norms. The syllabus encompassing the latest technologies, excellent laboratory facilities and exemplary faculties are the main reasons for the prized status accorded to this course.

ECE is one of the renowned branches in the field of Engineering, have proved time and again, that they play a

Notal role in both the developing and well-being of society in the fast paced human life. E&C branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. The department has well-qualified, experienced and research oriented faculty.

VISION OF THE DEPARTMENT

"Centre of Excellence to Empower the young minds in the field of Electronics and Communication Engineering with research focus and skill development through Transformative Education catering to the needs of the Society".

MISSION OF THE DEPARTMENT

- To create Learning Environment to enable the Students for Excellence in the field of Electronics and Communication Engineering.
- To Empower the Students with necessary Skills for Solving the Complex Technological Problems.
- To Inculcate Research Culture among Teaching-Learning Group by guiding them towards Research Activities to bridge the gap between Industry and Academia.
- By Imbibing the Students with Human Values and Ethics through Transformative Education and make them Socially Responsible Professionals.

PROGRAM SPECIFIC OUTCOMES

A graduate of the Electronics and Communication Engineering Program will exhibit:

PSO1: Understand and apply the principles of Electronics and Communication Engineering in various domains of Analog and Digital systems.

PSO2: Design and implement systems using the concepts of Electronics, signal processing, Embedded systems and Semiconductor Technology.

PSO3: Apply modern hardware and software tools to analyse and solve engineering problems.

PROGRAM EDUCATIONAL OBJECTIVES

The graduates of Electronics and Communication Engineering will able to

PEO1: Apply Mathematical, Scientific and Engineering skills for solving problems in the area of Electronics and Communication Engineering.

PEO2: Expose to Emerging Technologies and excel in Industries/Higher studies/research.

PEO3: Apply analytical skills in the area of Electronics and Communication Engineering to become competent and Employable.

PEO4: Inculcate professional ethics, human values, team work for solving engineering problems and contribute to societal needs.

ABOUT WORKSHOP

This workshop on "HAM Amateur Radio" was an exhaustive held for students and faculty of all department of Alva's Institute of Engineering & Technology. Ham (Amateur) Radio is a scientific hobby, adventurous sport & second line of Communication when all other means of communication fails. HAM has become a unique tool in promoting global friendship. It is a pioneering effort conceived by creative minds. It is a laudable Endeavour to bring YOUTH to involve in this Mode of Communication with most fascination. Today there are thousands of hams who are enthusiastic about Ham Radio and use various methods to communicate with their counterparts around the world. Groups, individuals and educational institutions are all striving to acquire radio technology, as they are eager to improve their skill over a wide spectrum of fields. Hams are from different walks of life. Ham family consists of students, educationists, scientists, engineers, doctors, lawyers, technicians, retired persons from various fields, house-wives, Film stars, Top-officials, Ministers, Mps and so on.

TARGET AUDIENCE

The workshop is open for 2nd and 3rd year students and faculty of ECE department, AJET, Mijar.

Workshop Schedule

5 days Online Workshop on on "HAM RADIO IN TODAY'S DIGITAL TECHNOLOGIES AND DISASTER MANAGEMENT"

Day	Session	Portions/ Activities
DAY 1 (18/11/2019)	Session 1	 Introduction to Amateur radio Operating procedures Knowledge of the Indian Wireless Telegraph (
DAY 2 (19/11/2019)	Session 2	 Semiconductor Devices Demonstration on Digital Amateur Radio
DAY 3 (20/11/2019)	Session 3	 Receivers and Transmitters Radio Wave Propagation
DAY 4 (21/11/2019)	Session 4	 Frequency Measurement Demonstration on Digital Amateur Radio.
DAY 5 (22/11/2019)	Session 5	Ham Radio Demonstration. Inauguration of Alva's Institute of Technology HAM Radio Club



Alva's Institute of Engineering & Technology

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Date: 01-10-2019

Circular

It is hereby informed to all the students of 3rd sem, 5th A and 5th B section whoever interested in Alvas HAM Club and further wants to attend the workshop on "HAM (AMATEUR) RADIO IN TODAY'S DIGITAL TECHNOLOGIES & DISASTER MANAGEMENT" enroll your name with class coordinator on or before 65/4/2019

Coordinator

Mr. Santhosh S

HOD

DV. T

Dr. D V Manjunatha

H. O. D.

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



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Department of Electronics & Communication Engineering

List of 2nd Year students attending certification course on "HAM RADIO IN TODAY'S DIGITAL TECHNOLOGIES AND DISASTER MANAGEMENT"

Sl. No.	USN	NAME							
1	4AL17EC088	SHRADHA							
2	4ALI8EC003	ABHISHEK S							
3	4AL18EC004	ADARSH S							
4	4AL18EC005	AKSHATHA Y E							
5	4AL18EC006	ANNAPURNA							
6	6 4AL18EC007 ARCHANA H N								
7	4AL18EC008	ASHWINI R G							
8	BHAVANA B								
9	9 4AL18EC011 DARSHAN RAVI SAVUKAR								
10	4AL18EC012	DEEPTHI J							
11	4AL18EC013	DHANUSH K							
12	4AL18EC015	GAVISIDAPPA							
13	4AL18EC016	GOURI R S							
14	4AL18EC018	GULBI GOURI SHANKAR							
15	4AL18EC019	HARSHITHA D S							
16	4AL18EC020	HARSHITHA H							
17	4AL18EC022	JAYASOORYA							
18	4AL18EC023	K GAURAV SHET							
19	4AL18EC024	KHAZI MOIN AHAMMED							
20	4AL18EC025	KIRAN							
21	4AL18EC026	KIRTI BASWARAJ SHIVAPUJE							
22	4AL18EC027	KONDURU NAGA HEMANTH							
23	4AL18EC029	LIKITH N GOWDA							
24	4AL18EC030	MALLAPPA S PARAGOND							
25	4AL18EC031	MANAVI							
26	4AL18EC032	MOHAMMED SAQLAIN BAIG							
27	4AL18EC033	MUTTANNA A MUTTUR							
28	4AL18EC034	NANDAKUMAR D N							
29	4AL18EC035	NEHA T							
30	4AL18EC036	NITHYASHREE S							
31	4AL18EC037	PAVITRA CHIKKAVEERMATH							
32	4AL18EC040	PREETHAM S RAI							



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Department of Electronics & Communication Engineering

4AL18EC041	PRIYA P RAO
4AL18EC042	RAKSHITHA C U
4AL18EC043	RASHMI KALLAKKANAVAR
4AL18EC044	RUBESH MURTHY G
4AL18EC045	SANJEEV KUMAR V
4AL18EC046	SANTHOSHKUMAR REDDY
4AL18EC047	SHALIVAHAN ISHWAR KUMBAR
4AL18EC048	SHASHANK S P
4AL18EC049	SINDHU S
4AL18EC050	SNEHA G
4AL18EC051	SOURAV K
4AL18EC053	SUDHA R CHANNAPPA GOUDAR
4AL18EC054	SUVARNA K N
4AL18EC055	VAISHNAVI M
4AL18EC056	VASANTH KUMAR P R
4AL18EC057	VATHSALA S
4AL18EC059	VISHWESH V BHAT
4AL18EC060	YASHWANTH
4AL18EC061	PRATHEEK SHET
4AL19EC400	AKSHAYA KUMAR
4AL19EC401	SAMPATH KUMAR
4AL19EC402	SHIVANI
4AL19EC403	SHRIRAKSHA
	4AL18EC042 4AL18EC043 4AL18EC044 4AL18EC045 4AL18EC046 4AL18EC047 4AL18EC049 4AL18EC049 4AL18EC050 4AL18EC051 4AL18EC053 4AL18EC054 4AL18EC055 4AL18EC056 4AL18EC057 4AL18EC056 4AL18EC060 4AL18EC060 4AL19EC400 4AL19EC400 4AL19EC401

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Department of Electronics & Communication Engineering

List of 3rd Year students attending certification course on "HAM RADIO IN TODAY'S DIGITAL TECHNOLOGIES AND DISASTER MANAGEMENT"

SI. No.	USN	NAME
1	4AL15EC043	MADHU B GURAV
2	4AL16EC029	KAREGOWDA K N
3	4AL16EC032	KRISHNA SWETHA
4	4AL16EC035	МАМАТНА М
5	4AL16EC037	MIRZA SIBGATHULLA K R
6	4AL16EC046	POOJARY SUSHMITA
7	4AL16EC055	RAMYA
8	4AL16EC065	SATHYA B R
9	4AL16EC073	SHRAVAN V ACHARYA
10	4AL16EC101	RAVITEJA G
11	4AL16EC409	RAKSHITH B
12	4AL17EC001	ABHISHEK
13	4AL17EC002	ABHISHEK M SHASTRY K
14	4AL17EC003	ABHISHEK VASUDEV MAHENDRAKAR
15	4AL17EC004	AJITHA
16	4AL17EC005	AKSHANSANDEEP D SOUZA
17	4AL17EC006	AKSHATHA M DESHPANDE
18	4AL17EC007	AKSHATHARANGANATH
19	4AL17EC008	AKSHAY
20	4AL17EC009	BHAVITH
21	4AL17EC010	BHOOMIKA RAMACHANDRAHEBBAR
22	4AL17EC011	BINDUSHRI
23	4AL17EC012	BRUNDA H Y
24	4AL17EC013	BRUNDA P D
25	4AL17EC015	CHANDAN C
26	4AL17EC018	CHANDANA G S
27	4AL17EC020	CHANNABASAVA
28	4AL17EC021	CHETHAN KUMAR
29	4AL17EC023	DARSHAN H B
30	4AL17EC024	DEEKSHA J ACHARYA
31	4AL17EC025	DHAMINI C L
32	4AL17EC026	DHANYASHETTY
33	4AL17EC027	DHAVALA



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Department of Electronics & Communication Engineering

1		
34	4AL17EC029	DISHA
35	4AL17EC030	DIVYASHREE L V
36	4AL17EC031	DIVYASHRIBAHUBALISAMAJAGE
37	4AL17EC032	GAGAN M K
38	4AL17EC034	HARSHA P
39	4AL17EC035	HEMALATHASANIL
40	4AL17EC036	JAGADEESHAHEGDE
41	4AL17EC037	JYOTI S DONUR
42	4AL17EC038	K MUTHU
43	4AL17EC040	KAVYA M M
44	4AL17EC041	KISHANSHETTY
45	4AL17EC042	KISHORE N
46	4AL17EC043	LAVANYA B
47	4AL17EC044	LEPAKSHI T V
48	4AL17EC045	M V RAMYA
49	4AL17EC046	MADIWALARAKSHATANINGAPPA
50	4AL17EC047	MADUGONDEMANJUNATHA
51	4AL17EC048	MAHESH H
52	4AL17EC049	MAMATHA V R
53	4AL17EC050	MANJUNATHA H K
54	4AL17EC053	MOHANABABU D G
55	4AL17EC055	MOUNITHA D M
56	4AL17EC057	NAGAGANESH N
57	4AL17EC058	NAMRATHA J NAIR
58	4AL17EC060	NAVYA
59	4AL17EC061	BHARGAVI
60	4AL17EC062	NIHARIKA
61	4AL17EC063	NISHANTHA V R
62	4AL17EC064	P V SAI SURAKSHA
63	4AL17EC065	PADMASHREE B S
64	4ALI7EC066	PADMINI M
65	4AL17EC068	PAVITHRAN S
66	4AL17EC069	PERSIS P
67	4AL17EC070	POOJA K S
68	4AL17EC071	POORVI H J
69	4AL17EC072	PRAGATI M KUNDALKAR
70	4AL17EC073	PRAJWAL KAMAGETHI CHAKRAVARTHI P L
71	4AL17EC074	PRASHANTHA NAIK



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72	4AL17EC075	PRINCIA MELITA DSOUZA
73	4AL17EC076	RAJESHWARI GADAGI
74	4AL17EC077	RASHMITHA
75	4ALI7EC079	ROHAN SHETTY
76	4AL17EC080	ROSHNI A B
77	4AL17EC083	SAHANA S R
78	4AL17EC084	SANKETHA S ACHARYA
79	4AL17EC086	SHILPA C
80	4AL17EC090	SUSHMITHA R NAIK
81	4AL17EC091	SWASTIK R GOWDA
82	4AL17EC092	VARSHITHA S
83	4AL17EC093	VARUN G SHETTY
84	4AL17EC095	VIDUL SAMBHAJI CHAVAN
85	4AL17EC096	YALPI NANDIKA
86	4AL17EC097	YAMUNASHREE N
87	4AL17EC098	YASHASWINI R
88	4AL17EC099	YASHWITHA C N
89	4AL17EC100	YATHISH S RAO
90	4AL17EC101	BINDU N R
91	4AL17EC102	SUSHMITHA
92	4AL17EC103	SACHIN
93	4AL17EC104	NIKHIL
94	4AL17EC105	AKASH
95	4AL17EC106	HARSHITHA T
96	4AL17EC107	K B KUSHI
97	4AL17EC108	RACHANA
98	4AL18EC400	POOJARY SUSHANT SUNDER

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Department of Electronics & Communication Engineering

2nd year-Certification Course Attendance

SI.			_	_			_	_		_		
No.	USN	NAME	18/4	18/11	14/11	9/1	2/11	20/1	ey,	21/1	24	23
1	4AL17EC088	SHRADHA	1	2	3	4	5	6	7	8	9	10
2	4AL18EC003	ABHISHEK S	1	2	3	A	4	5	6	2	8	9
3	4AL18EC004	ADARSH S	1	2	3	4	5	6	7	-	9	10
4	4AL18EC005	AKSHATHA Y E	ī	2	3	4	5	6	7	8	9	10
5	4AL18EC006	ANNAPURNA	1	2	3	4	5	6	1	3	9	10
6	4AL18EC007	ARCHANA H N	1	2	3	4	5	6	7	8	9	10
7	4AL18EC008	ASHWINI R G	1	2	3	4	5	6	7	8	9	10
8	4AL18EC009	BHAVANA B	1	2	3	4	5	6	7	8	9	10
9	4AL18EC011	DARSHAN RAVI SAVUKAR	1	2	3	4		6	7	8	9	ſo
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12	4AL18EC015	GAVISIDAPPA	1	2	A	3	4	5	6	7	8	9
13	4AL18EC016	GOURI R S	1	2	3	4	5	6	7	8	9	10
14	4AL18EC018	GULBI GOURI SHANKAR	ı	2	3	ų	5	6	7	8	9	10
15	4AL18EC019	HARSHITHA D S	1	2	3	4	-	6	7	8	9	10
16	4AL18EC020	HARSHITHA H		ر ک	3	4	5	6	7	8	9	10
17	4AL18EC022	JAYASOORYA	ı	2	3	A	4	5	6	7	8	9
18	4AL18EC023	K GAURAV SHET	1	ລ	3	4	5	6	7	8	9	10
19	4AL18EC024	KHAZI MOIN AHAMMED	1	2	3	4	5	6	7	8	9	10
20	4AL18EC025	KIRAN	1	2	3	4	5	G	٦	8	9	10
21	4AL18EC026	KIRTI BASWARAJ SHIVAPUJE	1	2	3	4	5	6	7	8	9	10
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23	4AL18EC029	LIKITH N GOWDA	1	Q	3	7	5	6	7	8	9	A
24	4AL18EC030	MALLAPPA S PARAGOND	١	ನ	9	4	2	6	7	8	9	10
25	4AL18EC031	MANAVI	1	2	3	4	5	6	7	8	9	10
26	4AL18EC032	MOHAMMED SAQLAIN BAIG	ı	2	3	4	5	6	7	8	9	10
27	4AL18EC033	MUTTANNA A MUTTUR	l	J	3	4	A	2	6	7	8	9
28	4AL18EC034	NANDAKUMAR D N	1	2	3	4	5	6	7	8	9	10
29	4AL18EC035	NEHA T	1	2	3	4	7	6	7	y	9	10
30	4AL18EC036	NITHYASHREE S	1	2	3	4	5	6	7	8	9	A
31	4AL18EC037	PAVITRA	1	Q	3	4	5	6	7	8	9	10



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Department of Electronics & Communication Engineering

CHIKKAVEERMATH	-											_		
33 4AL18EC041 PRIYA PRAO 34 4AL18EC042 RAKSHITHA C U 35 4AL18EC043 RASHMI KALLAKKANAVAR 36 4AL18EC044 RUBESH MURTHY G 37 4AL18EC045 SANJEEV KUMAR V 38 4AL18EC046 SANJEEV KUMAR V 39 4AL18EC046 REDDY 40 4AL18EC047 SHALIVAHAN ISHWAR 40 4AL18EC048 SHASHANK S P 41 4AL18EC049 SINDHU S 42 4AL18EC050 SNEHA G 43 4AL18EC051 SOURAV K 44 4AL18EC053 SUDHA R CHANNAPPA 45 4AL18EC055 VAISHNAVI M 46 4AL18EC055 VAISHNAVI M 47 4AL18EC056 VASANTH KUMAR PR 48 4AL18EC057 VATHSALA S 49 4AL18EC050 YASHWANTH 50 4AL18EC060 YASHWANTH 51 4AL18EC060 YASHWANTH 52 4AL18EC061 PRATHEEK SHET 53 4AL18EC061 SAMPATH KUMAR 54 4AL18EC061 SAMPATH KUMAR 55 4AL18EC061 SAMPATH KUMAR 56 7 8 9 10 57 8 9 10 58 9 10 58 9 10 59 10 50 4AL18EC061 SAMPATH KUMAR 50 1 2 3 4 5 6 7 8 9 10 50 4AL18EC061 SAMPATH KUMAR 50 4AL18EC061 SAMPATH KUMAR 51 4AL18EC061 SAMPATH KUMAR 52 4AL18EC061 SAMPATH KUMAR 53 4AL18EC061 SAMPATH KUMAR 54 4AL18EC061 SAMPATH KUMAR 55 4AL18EC061 SAMPATH KUMAR 56 7 8 9 10 57 8 9 10				CHIKKAVEERMATH	1	2	3	4	5	6	7	8	9	10
34 AAL18EC042 RAKSHITHA C U		32	4AL18EC040	PREETHAM S RAI	1	A	2	3	4	5	6	7	8	9
35 4AL18EC043 RASHMI KALLAKKANAVAR 1		33	4AL18EC041	PRIYA P RAO	1	2	3	4	5	6	7	8	9	10
35 4AL18EC043 KALLAKKANAVAR 1		34	4AL18EC042	RAKSHITHA C U	1	2	3	4	5	6	7	8	9	10
37 4AL18EC045 SANJEEV KUMAR V 38 4AL18EC046 SANTHOSHKUMAR REDDY 39 4AL18EC047 SHALIVAHAN ISHWAR KUMBAR 40 4AL18EC048 SHASHANK S P 41 4AL18EC049 SINDHU S 42 4AL18EC050 SNEHA G 43 4AL18EC051 SOURAV K 44 4AL18EC053 SUDHA R CHANNAPPA GOUDAR 45 4AL18EC054 SUVARNA K N 46 4AL18EC055 VAISHNAVI M 47 4AL18EC055 VAISHNAVI M 48 4AL18EC056 VASANTH KUMAR P R 49 4AL18EC057 VATHSALA S 49 4AL18EC059 VISHWESH V BHAT 50 4AL18EC060 YASHWANTH 51 4AL18EC061 PRATHEEK SHET 51 4AL19EC400 AKSHAYA KUMAR 53 4AL19EC401 SAMPATH KUMAR 54 4AL19EC402 SHIVANI 54 4AL19EC402 SHIVANI 55 4AL19EC402 SHIVANI 56 7 8 9 10		35	4AL18EC043		1	ಎ	3	4	5	6	7	8	9	10
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1		37	4AL18EC045	SANJEEV KUMAR V)	2	3	4	5	6	7	8	9	10
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41 4AL18EC049 SINDHU S I 2 3 4 A F 6 7 8 9 42 4AL18EC050 SNEHA G I 2 3 4 F 6 7 8 9 10 43 4AL18EC051 SOURAV K I 2 3 4 F 6 7 8 9 10 44 4AL18EC053 SUDHA R CHANNAPPA GOUDAR I 2 3 4 5 6 7 8 9 10 45 4AL18EC053 SUVARNA KN I 2 3 4 5 6 7 8 9 10 46 4AL18EC054 SUVARNA KN I 2 3 4 5 6 7 8 9 10 46 4AL18EC055 VAISHNAVI M I 2 3 4 5 6 7 8 9 10 48 4AL18EC057 VATHSALA S I 2 3 4 5 6 7 <td< td=""><td></td><td>39</td><td>4AL18EC047</td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>٩</td><td>10</td></td<>		39	4AL18EC047		1	2	3	4	5	6	7	8	٩	10
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H. O. D.

Dept. Of Electronics & Communication Alva' Institute of Engg. & Technology Mijar, MOODBIDRI - 574 22



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Department of Electronics & Communication Engineering

3rd year-Certification Course Attendance

Sl. No.	USN	NAME	18/1	13	18	9	20	20	21	21	22	22
1	4AL15EC043	MADHU B GURAV	1	2	3	ل ل	5	6	7	8	9	O
2	4AL16EC029	KAREGOWDA K N	1	2	3	4	5	6	7	8	9	6)
3	4AL16EC032	KRISHNA SWETHA	1	2	3	4	5	6	A	7	8	9
4	4AL16EC035	МАМАТНА М)	2	A	3	4	5	6	7	8	9
5	4AL16EC037	MIRZA SIBGATHULLA K R	ı	a	3	ን	5	6	7	8	9	10
6	4AL16EC046	POOJARY SUSHMITA	1	2	3	4	5	6	7	8	9	10
7	4AL16EC055	RAMYA	1	2	3	4	ما	6	7	8	9	lo
8	4AL16EC065	SATHYA B R	1	2	3	4	5	6	T†	8	9	10
9	4AL16EC073	SHRAVAN V ACHARYA	l	2	3	4	5	6	7	8	9	to
10	4AL16EC101	RAVITEJA G	1	2_	3	7	5	6	7	Z	9	10
11	4AL16EC409	RAKSHITH B	1	2	3	¥	5	6	7	8	9	10
12	4AL17EC001	ABHISHEK	1	2	3	7	5	6	7	8	9	10
13	4AL17EC002	ABHISHEK M SHASTRY K	1	2	3	4	5	6	7	8	9	10
14	4AL17EC003	ABHISHEK VASUDEV MAHENDRAKAR	1	2	3	7	5	6	7	8	9	10
15	4AL17EC004	AJITHA	1	2	3	4	5	6	7	8	9	10
16	4AL17EC005	AKSHANSANDEEP D SOUZA	1	2	3	H	5	6	7	8	9	10
17	4AL17EC006	AKSHATHA M DESHPANDE	1	2	3	7	5	6	7	8	9	10
18	4AL17EC007	AKSHATHARANGANATH	1	2	3	ч	5	6	7	8	9	10
19	4AL17EC008	AKSHAY	1	2	3	H	5	Ь	7	8	9	(9)
20	4AL17EC009	BHAVITH	1	2	3	н	5	6	7	8	9	10
21	4AL17EC010	BHOOMIKA RAMACHANDRAHEBBAR	1	2	3	H	5	6	7	ን	9	0
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23	4AL17EC012	BRUNDA H Y	l	2	3	H	5	6	7	8	9	10
24	4AL17EC013	BRUNDA P D	1	2	3	4	5	6	7	3	9	10
25	4AL17EC015	CHANDAN C	1	2	3	4	5	6	7	8	9	10
26	4AL17EC018	CHANDANA G S	1	2	3	4	5	A	6	7	8	9
27	4AL17EC020	CHANNABASAVA	1	2	3	4	5	6	7	3	9	10
28	4AL17EC021	CHETHAN KUMAR	1	2	3	4	5	6	7	8	9	10
29	4AL17EC023	DARSHAN H B	1	人	3	4	5	6	12	8	9	O
30	4AL17EC024	DEEKSHA J ACHARYA	1	2	3	4	5	6	7	8	9	170
31	4AL17EC025	DHAMINI C L	l	2	3	4	5	6	7	3	9	اما
32	4AL17EC026	DHANYASHETTY	1	2	3	4	5	6	7	8	9	10
33	4AL17EC027	DHAVALA	1	ک	3	H	5	7	7	8	9	10
34	4AL17EC029	DISHA	l	2	. 3	म	5	6	7	8	9	10



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Department of Electronics & Communication Engineering

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37	L	35	4AL17EC030	DIVYASHREE L V	1	2	3	4	5	b	7	8	9	10
37 AALITECO32 GAGAN M K		36	4AL17EC031	DIVYASHRIBAHUBALISAMAJAGE	1	2	3	4	5	6	7	8	9	10
39 4AL17EC035 HEMALATHASANIL		37	4AL17EC032	GAGAN M K	1	2	3	4				8	9	lo
40		38	4AL17EC034	HARSHA P	١	2	3	4	5	6	7	8	9	0
40		39	4AL17EC035	HEMALATHASANIL	1	ソ	3	4	5	6	4	7	3	9
41 4AL17EC031		40	4AL17EC036	JAGADEESHAHEGDE	I	2	3	H	5	6		8	9	lo
43 4AL17EC040 KAVYA M M		41	4AL17EC037	JYOTI S DONUR	1	2	3	4	5	6		8	9	10
44 4AL17EC041 KISHANSHETTY		42	4AL17EC038	K MUTHU	١	2	3	4	5	S	7	8	9	σ١
44 44 44 44 45 44L17EC042 KISHORE N		43	4AL17EC040	KAVYA M M		2	3	4	5	6	7	\$	9	10
46 4ALI7EC043 LAVANYA B 1		44	4AL17EC041	KISHANSHETTY	1	2	3	4	5	6	7	8	9	lo
47 4AL17EC044 LEPAKSHI T V		45	4AL17EC042	KISHORE N	1	2	3	4	5	6	7	8	9	10
48		46	4AL17EC043	LAVANYA B	1	2	3	4	5	6	7	8	9	lo
49		47	4AL17EC044	LEPAKSHI T V	1	2	3	4	5	6	7	8	9	10
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55		53	4AL17EC050	MANJUNATHA H K	١	2	3	4	5	6	7	8	9	10
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63 4AL17EC065 PADMASHREE B S 64 4AL17EC066 PADMINI M 65 4AL17EC068 PAVITHRAN S 66 4AL17EC069 PERSIS P 67 4AL17EC070 POOJA K S 68 4AL17EC071 POORVI H J 69 4AL17EC072 PRAGATI M KUNDALKAR 70 PRAJWAL KAMAGETHI CHAKRAVARTHI P L 70 PADMASHREE B S 1 2 3 4 5 6 7 8 9 1 1 2 3 4 5 6 7 8		61	4AL17EC063	NISHANTHA V R	1	2	3	4	5	6	7	8	9	10
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65 4AL17EC068 PAVITHRAN S 66 4AL17EC069 PERSIS P 67 4AL17EC070 POOJA K S 68 4AL17EC071 POORVI H J 69 4AL17EC072 PRAGATI M KUNDALKAR 70 PRAJWAL KAMAGETHI CHAKRAVARTHI P L 1 2 3 4 5 6 7 8 9 1 1 2 3 1 1 5 6 7 8 9 1 1 2 3 1 1 5 6 7 8 9 1 1 2 3 1 1 5 6 7 8 9 1 1 2 3 1 1 5 6 7 8 9 1 1 2 3 1 1 5 6 7 8 9 1 1 2 3 1 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1		63	4AL17EC065	PADMASHREE B S	1	2	3	4	5	6	7	8	9	10
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67 4AL17EC070 POOJAKS 1 2 3 4 5 6 7 8 9 68 4AL17EC071 POORVI H J 69 4AL17EC072 PRAGATI M KUNDALKAR 1 2 3 4 5 6 7 8 9 70 PRAJWAL KAMAGETHI CHAKRAVARTHI P L 1 2 3 4 5 6 7 8 9		65	4ALI7EC068	PAVITHRAN S	1	2	3	4	5	6	7	8	9	10
68 4AL17EC071 POORVI H J		66	4AL17EC069	PERSIS P	1	2	3	4	5	6	7	8	9	(0
69 4AL17EC072 PRAGATI M KUNDALKAR 1 2 3 4 5 6 7 8 9 7 70 PRAJWAL KAMAGETHI CHAKRAVARTHI P L 1 2 3 7 5 6 7 8 9 7		67	4AL17EC070	POOJA K S	1	2	3	4	5	6	7	3	9	10
70 4AL17EC073 PRAJWAL KAMAGETHI CHAKRAVARTHI PL 1 2 3 4 5 6 7 8 9 1		68	4AL17EC071	POORVI H J	1	2	3	4	5	6	7	8	9	to
70 4AL17EC073 CHAKRAVARTHI PL 1 2 3 7 5 6 7 8 9 7		69	4AL17EC072	PRAGATI M KUNDALKAR	l	2	3	4	5	6	7	8	8	10
71 AAI 17FC074 PRASHANTHA NAIK 1 2 3 4 - 6 2 8 9		70	4AL17EC073		1	2	3	4	5	6	7		<u> </u>	10
/1 4/18/12001 71210112111		71	4AL17EC074	PRASHANTHA NAIK		2	3	4	5	6	7	8	9	o
72 4AL17EC075 PRINCIA MELITA DSOUZA 1 2 3 4 5 6 7 8 9 V		72	4AL17EC075	PRINCIA MELITA DSOUZA	l	2	3	4	5	6	7	8	9	10



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73	4AL17EC076	RAJESHWARI GADAGI	1	2_	3	4	5	4	7	2	9	10
74	4AL17EC077	RASHMITHA	1	2	3	h	5	6	7	9	9	10
75	4AL17EC079	ROHAN SHETTY	9	2	3	49	5	6	7	92	9	16
76	4AL17EC080	ROSHNI A B	1	2	3	4	~	6	7	8	9	10
77	4AL17EC083	SAHANA S R	1	2	3	4	5	6	7	R	9	10
78	4AL17EC084	SANKETHA S ACHARYA	1	2	3	Ly	5	6	7	2	9	0
79	4AL17EC086	SHILPA C	1	2	3	1,	5	6	+	8	9	10
80	4AL17EC090	SUSHMITHA R NAIK	1	2	3	11	5	6	7	8	9	10
81	4AL17EC091	SWASTIK R GOWDA	1	2	3	4	5	6	7	8	9	10
82	4AL17EC092	VARSHITHA S	1	2	3	4	5	6	7	8	9	la
83	4AL17EC093	VARUN G SHETTY	ı	2	3	LI	5	6	-)	8	q	10
84	4AL17EC095	VIDUL SAMBHAJI CHAVAN	1	2	3	4	5	A	6	7	8	9
85	4AL17EC096	YALPI NANDIKA	1	2	3	4	5	6	7	3	9	10
86	4AL17EC097	YAMUNASHREE N	ı	2	3	4	5	6	7	8	01	10
87	4AL17EC098	YASHASWINI R	ı	2	3	٢	5	6	7	8	9	10
88	4AL17EC099	YASHWITHA C N	1	2	3	4	5	6	7	3	9	10
89	4AL17EC100	YATHISH S RAO	ı	2	3	4	5	6	7	8	9	10
90	4AL17EC101	BINDU N R	1	2	3	4	5	6	7	8	9	10
91	4AL17EC102	SUSHMITHA	l	2	3	H	5	6	7	8	9	10
92	4AL17EC103	SACHIN	1	2	3	11	5	6	7	8	9	10
93	4AL17EC104	NIKHIL	1	2	3	4	5	6	7	8	9	10
94	4AL17EC105	AKASH	(2	3	4	5	6	7	Ą	8	9
95	4AL17EC106	HARSHITHA T	1	2	3	H	5	6	7	8	9	10
96	4AL17EC107	K B KUSHI	l	2	3	4	5	6	7	8	9	0
97	4AL17EC108	RACHANA	1	2	3	4	5	G	7	3	9	10
98	4AL18EC400	POOJARY SUSHANT SUNDER	l	2	3	H	5	6	7	8	9	10

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INDIAN INSTITUTE OF HAMS





In association with Department of Youth Empowerment & Sports, Government of Karnataka Affiliated to National Institute of Amateur Radio (NIAR), Institutional member: Amateur Radio Society of India (ARSI) MOU: IEEE, Bengaluru Section

Radio Station: VU2IIH Licence No. 10388 Valid upto 31-1-2030 (Licence Granted by WPC Wing, Ministry of Communication, Govt. of India) Gate No. 2, Il Floor, Kanteerava Outdoor Stadium, Bangalore - 560 001. www.indianhams.com, e-mail: ham7388@gmail.com, Ph: 080-26664501, Cell: +91 94483 02677



JOINT PROGRAMME WITH ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY MOODBIDRI-574 225. Mangalore, D.K. Karnataka State.

Date:

Certificate

Register No. 76



Pavithnan (4ALITECORG)



for successfully completing the workshop on

HAM (AMATEUR) RADIO & REGULATIONS

Dr. Peter Pernandes

Principal

Alva's Institute of Engineering & Technology, Moodbidri, 574 225.

Dr. S. SATHYAPAL - VU2FI

Director, IIH & Officer Commanding (Commn.) Directorate of Civil Defence, Government of Karnataka



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Department of Electronics and Communication Engineering

Report of Certification course on "HAM RADIO IN TODAY'S DIGITAL TECHNOLOGIES AND DISASTER MANAGEMENT"

Held From: 18/11/2019 to 22/11/2019

Organized By: Department of Electronics and Communication Engineering. In Association with Indian Institute of HAM (IIH).

Coordinator:

- Dr. Dattathreya, Professor, Department of ECE AIET, Moodbidri
- Prof. Santhosh S, Asst. Prof. Department of ECE AIET, Moodbidri

Resource Person:

Dr. S. Sathyapal is a Director of Indian Institute of HAMs, Karnataka Chapter. He is also a President of Rajiv Gandhi Radio Repeater Foundation of India and Governing Council Member of National Institute of Amateur Radio, Hyderabad (Apex body for HAM Institutes in India). His Institute provides Ham Communication for many National Championship Car Rallies in India as Communication Chief.

Dr. Sathyapal has rendered voluntary service by providing Ham Communication during Orissa Super Cyclone, Gujarat Earthquake, and Tsunami. Got more than 3000 licenses Ham licenses to the Bangalore City – "Bangalore is the Ham Capital of India". He attended many National and International Ham Conventions. Recently, attended world biggest Ham Convention "DAYTON HAMVENTION" at Dayton, USA. He got the Ham license in the year 1990 with the call sign: VU2FI.

He awarded with Rajiv Gandhi National Award winner in the year 1995 and 1996 (Two consecutive years) for the best promotion of Ham Radio activities in India. Award was given away by Smt. Sonia Gandhi who is also a HAM. Also awarded with Dera Gold Medal for Meritorious Achievement and Service by DISASTER PREPAREDNESS & EMERGENCY RESPONSE ASSOCIATION, U.S.A.



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Department of Electronics and Communication Engineering

About The Workshop:

This workshop on "HAM Amateur Radio" was an exhaustive held for students and faculty of all department of Alva's Institute of Engineering & Technology. Ham (Amateur) Radio is a scientific hobby, adventurous sport & second line of Communication when all other means of communication fails. HAM has become a unique tool in promoting global friendship. It is a pioneering effort conceived by creative minds. It is a laudable Endeavour to bring YOUTH to involve in this Mode of Communication with most fascination. Today there are thousands of hams who are enthusiastic about Ham Radio and use various methods to communicate with their counterparts around the world. Groups, individuals and educational institutions are all striving to acquire radio technology, as they are eager to improve their skill over a wide spectrum of fields. Hams are from different walks of life. Ham family consists of students, educationists, scientists, engineers, doctors, lawyers, technicians, retired persons from various fields, house-wives, Film stars, Top-officials, Ministers, Mps and so on.

Highlights of The Workshop:

- Exposure to HAM Radio clubs in India and throughout world.
- Discussed importance and applications of HAM Radio club member
- Design of Transmitter and Receiver antenna
- Explored different modulation techniques
- Discussed different modes of communication with respect to HAM Radio
- Explored about conducting scientific experiments in radio techniques propagation studies
- Discussed details about HAM License exam
- · Provided details about HAM exam







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Plan of Future HAM Radio Events:

- 1. Field hands on experiments/demonstrations (within one month)
- 2. Technical talk on "Satellite Communications" by ISRO resource person
- 3. Technical talk on "Digital Communications" by IIH resource person

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Department of Electronics & Communication Engineering

Summary Report of Add-on/Certificate program with its Outcomes

Academic Year: 2019-20 Duration:18-11-2019 to 22-11-2019

Title of the Course: HAM Radio in Today's Digital Technologies and Disaster Management.

Resource Person: Dr. Shankar Sathyapal, Director, IIH, Bangalore.

The department conducted Certification Course on "HAM Radio in Today's Digital Technologies and Disaster Management" for 2nd and 3rd year students of Electronics and Communication Engineering from 18-11-2019 to 22-11-2019 by Dr. Shankar Sathyapal, Director, IIH, Bangalore.

152 students of 2nd and 3rd year, Electronics and Communication Engineering are benefitted from this course and were able to

- Explore the HAM Radio clubs in India and throughout world.
- Understand the design of Transmitter and Receiver antenna.
- Explore different modulation techniques.
- Learn different modes of communication with respect to HAM Radio.
- Explore about conducting scientific experiments in radio techniques propagation studies.

Dr. D V Manjunatha

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