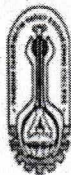


SYLLABUS/ CURRICULUM



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu

Mobile : 9842102628, 7373002628

Email: info@psyec.edu.in

Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

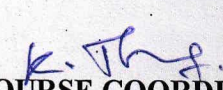
COURSE SYLLABUS

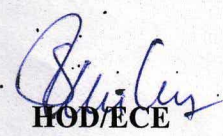
ACADEMIC YEAR 2022-2023

'VACECE2223AD-ANTENNA DESIGN'

CHAPTER-1	Introduction to Antennas	7
Electromagnetic radiation and antenna parameters- Types of antennas and their Applications -Basic Antenna Terminology and Concepts -Radiation Mechanisms -Antenna Impedance and Matching- Radiation Patterns and Antenna Gain		
CHAPTER-2	Types of Antenna	7
Dipole antennas -Monopole antennas -Loop antennas -Micro strip Patch antennas -Design considerations and optimization techniques- Practical implementation-Llinear arrays -Planar arrays- Array factor and pattern synthesis		
CHAPTER-3	Antennas Measurements Techniques	7
Near-fields and Far-field measurements -Antenna Characterization and Testing -Introduction to simulation tools (e.g, MATLAB,HFSS,CST)		
CHAPTER-4	Advanced Antenna Topics	7
Broadband antennas- Frequency selective surfaces- Metamaterial antennas		
CHAPTER-5	Practical Antenna Design Projects	7
Students will work on a design project to design, simulate and fabricate on antenna based on real-world requirements -Project presentations and demonstration s		

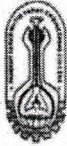
TOTAL: 35Hrs


COURSE COORDINATOR


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE SCHEDULE

VACECE2223AD-ANTENNA DESIGN

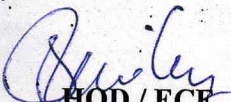
DATE	TIME	SYLLABUS
10.11.2022	9.00AM TO 1.00PM	Electromagnetic radiation and antenna parameters Types of antennas and their Applications Basic Antenna Terminology and Concepts Radiation Mechanisms Antenna Impedance and Matching Radiation Patterns and Antenna Gain
	2.00PM TO 5.00PM	
11.11.2022	9.00AM TO 1.00PM	Dipole antennas Monopole antennas Loop antennas Micro strip Batch antennas Design considerations and optimization techniques Practical implementation linear arrays Planar arrays Array factor and pattern synthesis
	2.00PM TO 5.00PM	
12.11.2022	9.00AM TO 1.00PM	Near-fields and Far-field measurements Antenna Characterization and Testing Introduction to simulation tools (e.g, MATLAB,HFSS,CST)
	2.00PM TO 5.00PM	
13.11.2022	9.00AM TO 1.00PM	Broadband antennas Frequency selective surfaces Metamaterial antennas
	2.00PM TO 5.00PM	
14.11.2022	9.00AM TO 1.00PM	Students will work on a design project to design, simulate and fabricate on antenna based on real-world requirements Project presentations and demonstration s
	2.00PM TO 5.00PM	

Tea Break: 10:40 am to 10:55am & 02:45 pm to 15:00 pm

Lunch Break: 12:30pm to 01:00pm

TOTAL: 35hrs


COURSE COORDINATOR


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2022- 2023

One page Report

Name of the course : ANTENNA DESIGN
Course Code : VACECE2223AD
Resource Person : Dr.S.REGINA, ASP/ECE ,PSYEC
Course Coordinator : Mrs K.THLAGA MEENA AP/ECE
Date/Duration : 10.11.2022-14.11.2022— 35 hours

I here affirm that the Final-year students of strength 32 have been taught the value-added course title "ANTENNA DESIGN" as per the syllabus and completed within the stipulated time duration.

I confirm that the value-added course titled "ANTENNA DESIGN" has been conducted in the beginning of the semester and course delivery along with the attendance of the students was recorded.

I confirmed that all the students were actively participated in the course and the eligible students were certified for the course.

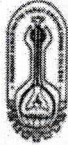

COURSE COORDINATOR


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ASSESSMENT PROCEDURE



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ASSESSMENT QUESTION WITH ANSWER

VACECE2223AD - ANTENNA DESIGN

1: What is the main purpose of an antenna?

- a) To transmit and receive electromagnetic waves
- b) To amplify signals
- c) To store electrical energy
- d) To filter noise

Answer: a) To transmit and receive electromagnetic waves

2: Which of the following is NOT a type of wire antenna?

- a) Dipole antenna
- b) Monopole antenna
- c) Patch antenna
- d) Loop antenna

Answer: c) Patch antenna

3: What does the term "antenna gain" refer to?

- a) The efficiency of the antenna
- b) The directional characteristics of the antenna
- c) The ability of the antenna to withstand environmental conditions
- d) The ratio of the radiation intensity in a given direction to that produced by an isotropic radiator

Answer: d) The ratio of the radiation intensity in a given direction to that produced by an isotropic radiator

4: What is the primary advantage of using an array antenna?

- a) Higher gain
- b) Simplicity of design
- c) Reduced size

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d) Omnidirectional radiation pattern

Answer: a) Higher gain

5: Which software tool is commonly used for simulating and designing antennas?

a) AutoCAD

b) Microsoft Excel

c) MATLAB

d) Adobe Photoshop

Answer: c) MATLAB

6: What is the function of a frequency-selective surface in antenna design?

a) To provide mechanical support to the antenna structure

b) To block unwanted frequencies

c) To increase the bandwidth of the antenna

d) To improve the efficiency of the antenna

Answer: b) To block unwanted frequencies

7: What is a typical measurement technique used for characterizing antenna performance in the near-field region?

a) S-parameter measurement

b) Time-domain reflectometry (TDR)

c) Smith chart analysis

d) Near-field scanning

Answer: d) Near-field scanning

8: Which antenna type is commonly used in wireless communication systems due to its compact size and low profile?

a) Yagi-Uda antenna

b) Parabolic dish antenna

c) Microstrip patch antenna

d) Helical antenna

Answer: c) Microstrip patch antenna

9: What is the primary advantage of using metamaterial antennas?

a) Enhanced radiation efficiency

b) Reduced size

c) Wide bandwidth

d) All of the above

Answer: d) All of the above

10: What parameter indicates the ability of an antenna to capture signals efficiently from a particular direction?

a) Antenna impedance

b) Radiation pattern

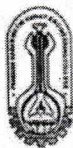
c) Gain

d) Bandwidth

Answer: b) Radiation pattern



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT TEST PAPER

VACECE2223AD - ANTENNA DESIGN

REGISTER NO: 912021106003

NAME OF THE STUDENT: Annamalai-a

YEAR/SEM: II / IV -

1: What is the main purpose of an antenna?

- ☒ a) To transmit and receive electromagnetic waves
- b) To amplify signals
- c) To store electrical energy
- d) To filter noise

2: Which of the following is NOT a type of wire antenna?

- a) Dipole antenna
- b) Monopole antenna
- ☒ c) Patch antenna
- d) Loop antenna

3: What does the term "antenna gain" refer to?

- a) The efficiency of the antenna
- b) The directional characteristics of the antenna
- c) The ability of the antenna to withstand environmental conditions
- ☒ d) The ratio of the radiation intensity in a given direction to that produced by an isotropic radiator

4: What is the primary advantage of using an array antenna?

- a) Higher gain
- ☒ b) Simplicity of design
- c) Reduced size
- d) Omnidirectional radiation pattern

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5: Which software tool is commonly used for simulating and designing antennas?

- a) AutoCAD
- b) Microsoft Excel
- c) MATLAB
- d) Adobe Photoshop

6: What is the function of a frequency-selective surface in antenna design?

- a) To provide mechanical support to the antenna structure
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- d) To improve the efficiency of the antenna

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- b) Time-domain reflectometry (TDR)
- c) Smith chart analysis
- d) Near-field scanning

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- b) Parabolic dish antenna
- c) Microstrip patch antenna
- d) Helical antenna

9: What is the primary advantage of using metamaterial antennas?

- a) Enhanced radiation efficiency
- b) Reduced size
- c) Wide bandwidth
- d) All of the above

10: What parameter indicates the ability of an antenna to capture signals efficiently from a particular direction?

- a) Antenna impedance
- b) Radiation pattern
- c) Gain D) Bandwidth

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Performance Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

Course Name : ANTENNA DESIGN

Duration of hours : 35

Period of Course : 10.11.2022-15.11.2022

Assessment Mark			Mark
Sl. No	Register Number	Student Name	
1	912021106002	Apitha T	80
2	912021106003	Annamalai G	91
3	912021106004	Gokul Raja G	84
4	912021106005	Gopikrishna T S	74
5	912021106006	Jayanthan C	85
6	912021106008	Kabilan R	94
7	912021106009	Karuppu Raja R	80
8	912021106011	Naveen kumar M	78
9	912021106012	Priyanka A	84
10	912021106013	Rajalakshmi D	94
11	912021106014	Rajamanikandan R	92
12	912021106015	Rakkú Muthu M	75
13	912021106016	Sagan K	84
14	912021106017	Sakthipriya S	89
15	912021106018	Seenibala Sivanesh S	92
16	912021106019	Sneka B	99
17	912021106020	Súbasini M	79
18	912021106021	Varshini S	89
19	912021106022	Vinothini M	70
20	912021106023	Yohamathavan C	84
21	912021106302	sowmiyan k	89

K. Thiy
Course coordinator


HOD/ECE


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PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thirumansolai P.O-630 561
Sivagangal Dist. Tamilnadu

Enrollment Student Name List

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Registration Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

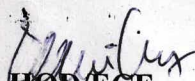
Course Name : ANTENNA DESIGN

Duration of hours : 35

Period of Course : 10.11.2022-15.11.2022

Enrolled student list			Signature
Sl. No	Register Number	Student Name	
1	912021106002	Anitha T	T. Anitha
2	912021106003	Annamalai G	G. Annamalai
3	912021106004	Gokul Raja G	G. Gokul Raja
4	912021106005	Gopikrishna T S	T. S. Gopikrishna
5	912021106006	Jayanthan C	C. Jayanthan
6	912021106008	Kabilan R	R. Kabilan
7	912021106009	Karuppu Raja R	R. Karuppu Raja
8	912021106011	Naveen kumar M	M. Naveen kumar
9	912021106012	Priyanka A	A. Priyanka
10	912021106013	Rajalakshmi D	D. Rajalakshmi
11	912021106014	Rajamanikandan R	R. Rajamanikandan
12	912021106015	Rakku Muthu M	M. Rakku Muthu
13	912021106016	Sagan K	K. Sagan
14	912021106017	Sakthipriya S	S. Sakthipriya
15	912021106018	Seenibala Sivanesh S	S. Seenibala Sivanesh
16	912021106019	Sneka B	B. Sneka
17	912021106020	Subasini M	M. Subasini
18	912021106021	Varshini S	S. Varshini
19	912021106022	Vinothini M	M. Vinothini
20	912021106023	Yohamathavan C	C. Yohamathavan
21	912021106302	sowmiyan k	K. Sowmiyan


Course coordinator


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Arasanoor, Thirumansolai P.O-630 561
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STUDENTS ATTENDANCE

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Attendance Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

Course Name : ANTENNA DESIGN

Duration of hours : 35

Period of Course : 10.11.2022-15.11.2022

Attendance Sheet			Date: 10/11/22					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15 pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912021106002	Anitha T	Anitha	Anitha	Anitha	Anitha	Anitha	Anitha
2	912021106003	Annamalai G	Annamalai	Annamalai	Annamalai	Annamalai	Annamalai	Annamalai
3	912021106004	Gokul Raja G	Gokul Raja	Gokul Raja	Gokul Raja	Gokul Raja	Gokul Raja	Gokul Raja
4	912021106005	Gopikrishna T S	Gopikrishna	Gopikrishna	Gopikrishna	Gopikrishna	Gopikrishna	Gopikrishna
5	912021106006	Jayanthan C	Jayanthan	Jayanthan	Jayanthan	Jayanthan	Jayanthan	Jayanthan
6	912021106008	Kabilan R	Kabilan	Kabilan	Kabilan	Kabilan	Kabilan	Kabilan
7	912021106009	Karuppu Raja R	Karuppu Raja	Karuppu Raja	Karuppu Raja	Karuppu Raja	Karuppu Raja	Karuppu Raja
8	912021106011	Naveen kumar M	Naveen kumar	Naveen kumar	Naveen kumar	Naveen kumar	Naveen kumar	Naveen kumar
9	912021106012	Priyanka A	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
10	912021106013	Rajalakshmi D	Rajalakshmi	Rajalakshmi	Rajalakshmi	Rajalakshmi	Rajalakshmi	Rajalakshmi
11	912021106014	Rajamanikandan R	Rajamanikandan	Rajamanikandan	Rajamanikandan	Rajamanikandan	Rajamanikandan	Rajamanikandan
12	912021106015	Rakku Muthu M	Rakku Muthu	Rakku Muthu	Rakku Muthu	Rakku Muthu	Rakku Muthu	Rakku Muthu
13	912021106016	Sagan K	Sagan	Sagan	Sagan	Sagan	Sagan	Sagan
14	912021106017	Sakthipriya S	Sakthipriya	Sakthipriya	Sakthipriya	Sakthipriya	Sakthipriya	Sakthipriya
15	912021106018	Seenibala Sivanesh S	Seenibala	Seenibala	Seenibala	Seenibala	Seenibala	Seenibala
16	912021106019	Sneha B	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
17	912021106020	Subasini M	Subasini	Subasini	Subasini	Subasini	Subasini	Subasini
18	912021106021	Varshini S	Varshini	Varshini	Varshini	Varshini	Varshini	Varshini
19	912021106022	Vinothini M	Vinothini	Vinothini	Vinothini	Vinothini	Vinothini	Vinothini
20	912021106023	Yohamathavan C	Yohamathavan	Yohamathavan	Yohamathavan	Yohamathavan	Yohamathavan	Yohamathavan
21	912021106302	sowmiyan k	sowmiyan	sowmiyan	sowmiyan	sowmiyan	sowmiyan	sowmiyan

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break 12:15 pm to 01:00pm


Course coordinator


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Student Attendance Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

Course Name : ANTENNA DESIGN

Duration of hours : 35

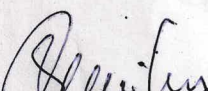
Period of Course : 10.11.2022-15.11.2022

Attendance Sheet			Date: 11/11/22					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15 pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912021106002	Anitha T	Anitha	Anitha	Anitha	Anitha	Anitha	Anitha
2	912021106003	Annamalai G	Annamalai	Annamalai	Annamalai	Annamalai	Annamalai	Annamalai
3	912021106004	Gokul Raja G	Gokul	Gokul	Gokul	Gokul	Gokul	Gokul
4	912021106005	Gopikrishna T S	Gopikrishna	Gopikrishna	Gopikrishna	Gopikrishna	Gopikrishna	Gopikrishna
5	912021106006	Jayanthan C	Jayanthan	Jayanthan	Jayanthan	Jayanthan	Jayanthan	Jayanthan
6	912021106008	Kabilan R	Kabilan	Kabilan	Kabilan	Kabilan	Kabilan	Kabilan
7	912021106009	Karuppu Raja R	Karuppu	Karuppu	Karuppu	Karuppu	Karuppu	Karuppu
8	912021106011	Naveen kumar M	Naveen	Naveen	Naveen	Naveen	Naveen	Naveen
9	912021106012	Priyanka A	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
10	912021106013	Rajalakshmi D	Rajalakshmi	Rajalakshmi	Rajalakshmi	Rajalakshmi	Rajalakshmi	Rajalakshmi
11	912021106014	Rajamanikandan R	Rajamanikandan	Rajamanikandan	Rajamanikandan	Rajamanikandan	Rajamanikandan	Rajamanikandan
12	912021106015	Rakku Muthu M	Rakku	Rakku	Rakku	Rakku	Rakku	Rakku
13	912021106016	Sagan K	Sagan	Sagan	Sagan	Sagan	Sagan	Sagan
14	912021106017	Sakthipriya S	Sakthipriya	Sakthipriya	Sakthipriya	Sakthipriya	Sakthipriya	Sakthipriya
15	912021106018	Seenibala Sivanesh S	Seenibala	Seenibala	Seenibala	Seenibala	Seenibala	Seenibala
16	912021106019	Sneha B	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
17	912021106020	Subasini M	Subasini	Subasini	Subasini	Subasini	Subasini	Subasini
18	912021106021	Varshini S	Varshini	Varshini	Varshini	Varshini	Varshini	Varshini
19	912021106022	Vinothini M	Vinothini	Vinothini	Vinothini	Vinothini	Vinothini	Vinothini
20	912021106023	Yohamathavan C	Yohamathavan	Yohamathavan	Yohamathavan	Yohamathavan	Yohamathavan	Yohamathavan
21	912021106302	sowmiyan k	Sowmiyan	Sowmiyan	Sowmiyan	Sowmiyan	Sowmiyan	Sowmiyan

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break 12:15 pm to 01:00pm


Course coordinator


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Sivagangai Dist. Tamilnadu

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Attendance Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

Course Name : ANTENNA DESIGN

Duration of hours : 35

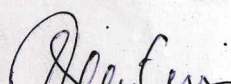
Period of Course : 10.11.2022-15.11.2022

Attendance Sheet			Date: 12/11/22					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15 pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912021106002	Anitha T	Ani	Ani	Ani	Ani	Ani	Ani
2	912021106003	Annamalai G	Ana	Ana	Ana	Ana	Ana	Ana
3	912021106004	Gokul Raja G	Gok	Gok	Gok	Gok	Gok	Gok
4	912021106005	Gopikrishna T S	Gopi	Gopi	Gopi	Gopi	Gopi	Gopi
5	912021106006	Jayanthan C	Jay	Jay	Jay	Jay	Jay	Jay
6	912021106008	Kabilan R	Kab	Kab	Kab	Kab	Kab	Kab
7	912021106009	Karuppu Raja R	Kar	Kar	Kar	Kar	Kar	Kar
8	912021106011	Naveen kumar M	Nave	Nave	Nave	Nave	Nave	Nave
9	912021106012	Priyanka A	Pri	Pri	Pri	Pri	Pri	Pri
10	912021106013	Rajalakshmi D	Raji	Raji	Raji	Raji	Raji	Raji
11	912021106014	Rajamanikandan R	Raja	Raja	Raja	Raja	Raja	Raja
12	912021106015	Rakku Muthu M	RM	RM	RM	RM	RM	RM
13	912021106016	Sagan K	Saga	Saga	Saga	Saga	Saga	Saga
14	912021106017	Sakthipriya S	Sak	Sak	Sak	Sak	Sak	Sak
15	912021106018	Seenibala Sivanesha S	See	See	See	See	See	See
16	912021106019	Sneha B	Sne	Sne	Sne	Sne	Sne	Sne
17	912021106020	Subasini M	Sub	Sub	Sub	Sub	Sub	Sub
18	912021106021	Varshini S	Var	Var	Var	Var	Var	Var
19	912021106022	Vinothini M	Vin	Vin	Vin	Vin	Vin	Vin
20	912021106023	Yohamathavan C	Yoh	Yoh	Yoh	Yoh	Yoh	Yoh
21	912021106302	sowmiyan k	Sow	Sow	Sow	Sow	Sow	Sow

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break 12:15 pm to 01:00pm


Course coordinator


HOD/ECE


PRINCIPAL

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thirumansolai P.O-630 561
Sivagangai Dist. Tamilnadu

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Attendance Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

Course Name : ANTENNA DESIGN

Duration of hours : 35

Period of Course : 10.11.2022-15.11.2022

Attendance Sheet			Date: 13/11/22					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15 pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912021106002	Anitha T	Ans	Ans	Ans	Ans	Ans	Ans
2	912021106003	Annamalai G	Ans	Ans	Ans	Ans	Ans	Ans
3	912021106004	Gokul Raja G	Ans	Ans	Ans	Ans	Ans	Ans
4	912021106005	Gopikrishna T S	Ans	Ans	Ans	Ans	Ans	Ans
5	912021106006	Jayanthan C	Ans	Ans	Ans	Ans	Ans	Ans
6	912021106008	Kabilan R	Ans	Ans	Ans	Ans	Ans	Ans
7	912021106009	Karuppu Raja R	Ans	Ans	Ans	Ans	Ans	Ans
8	912021106011	Naveen kumar M	Ans	Ans	Ans	Ans	Ans	Ans
9	912021106012	Priyanka A	Ans	Ans	Ans	Ans	Ans	Ans
10	912021106013	Rajalakshmi D	Ans	Ans	Ans	Ans	Ans	Ans
11	912021106014	Rajamanikandan R	Ans	Ans	Ans	Ans	Ans	Ans
12	912021106015	Rakku Muthu M	Ans	Ans	Ans	Ans	Ans	Ans
13	912021106016	Sagan K	Ans	Ans	Ans	Ans	Ans	Ans
14	912021106017	Sakthipriya S	Ans	Ans	Ans	Ans	Ans	Ans
15	912021106018	Seenibala Sivanesh S	Ans	Ans	Ans	Ans	Ans	Ans
16	912021106019	Sneha B	Ans	Ans	Ans	Ans	Ans	Ans
17	912021106020	Subasini M	Ans	Ans	Ans	Ans	Ans	Ans
18	912021106021	Varshini S	Ans	Ans	Ans	Ans	Ans	Ans
19	912021106022	Vinothini M	Ans	Ans	Ans	Ans	Ans	Ans
20	912021106023	Yohamathavan C	Ans	Ans	Ans	Ans	Ans	Ans
21	912021106302	sowmiyan k	Ans	Ans	Ans	Ans	Ans	Ans

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break 12:15 pm to 01:00pm


Course coordinator


HOD/ECE


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ENGINEERING COLLEGE
Arasanoor, Thirumansolai P.O-630 561
Sivagangai Dist. Tamilnadu

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Attendance Sheet

Academic Year : 2022-2023

Course Code : VACECE2223AD

Course Name : ANTENNA DESIGN

Duration of hours : 35

Period of Course : 10.11.2022-15.11.2022

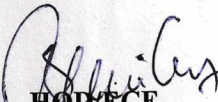
Date: 15/11/22

Attendance Sheet			Date: 15/11/22					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15 pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912021106002	Anitha T	Ani	Ani	Ani	Ani	Ani	Ani
2	912021106003	Annamalai G	Ana	Ana	Ana	Ana	Ana	Ana
3	912021106004	Gokul Raja G	Gok	Gok	Gok	Gok	Gok	Gok
4	912021106005	Gopikrishna T S	Gop	Gop	Gop	Gop	Gop	Gop
5	912021106006	Jayanthan C	Jay	Jay	Jay	Jay	Jay	Jay
6	912021106008	Kabilan R	Kab	Kab	Kab	Kab	Kab	Kab
7	912021106009	Karuppu Raja R	Kar	Kar	Kar	Kar	Kar	Kar
8	912021106011	Naveen kumar M	Nave	Nave	Nave	Nave	Nave	Nave
9	912021106012	Priyanka A	Pri	Pri	Pri	Pri	Pri	Pri
10	912021106013	Rajalakshmi D	Raj	Raj	Raj	Raj	Raj	Raj
11	912021106014	Rajamanikandan R	Raja	Raja	Raja	Raja	Raja	Raja
12	912021106015	Rakku Muthu M	Rak	Rak	Rak	Rak	Rak	Rak
13	912021106016	Sagan K	Sag	Sag	Sag	Sag	Sag	Sag
14	912021106017	Sakthipriya S	Sak	Sak	Sak	Sak	Sak	Sak
15	912021106018	Seenibala Sivanesh S	See	See	See	See	See	See
16	912021106019	Sneka B	Sne	Sne	Sne	Sne	Sne	Sne
17	912021106020	Subasini M	Sub	Sub	Sub	Sub	Sub	Sub
18	912021106021	Varshini S	Var	Var	Var	Var	Var	Var
19	912021106022	Vinothini M	Vin	Vin	Vin	Vin	Vin	Vin
20	912021106023	Yohamathavan C	Yoh	Yoh	Yoh	Yoh	Yoh	Yoh
21	912021106302	sowmiyan k	Sow	Sow	Sow	Sow	Sow	Sow

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break 12:15 pm to 01:00pm


Course coordinator


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ENGINEERING COLLEGE
Arasanoor, Thirumansolai P.O-630 561
Sivagangal Dist. Tamilnadu

MODEL CERTIFICATES

**PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE**

ARASANNOR, SIVAGANGAI - MADURAI HIGHWAYS, TAMIL NADU - 630561

CERTIFICATE OF COMPLETION

THIS AWARDED TO CERTIFY THAT

Mr. SOWMIYAN

Has successfully completed the Value Added Certified Course on
Antenna Design During 10.11.2022 to 15.11.2022



MR S. MANIKANDAN

HOD/ECE



DR. R. RAJA

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasannor, Thirumangaludi - 630561
Sivagangai Dist. Tamil Nadu

R

RAJA

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**PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE**

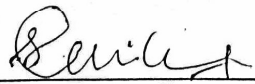
ARASANNOR, SIVAGANGAI - MADURAI HIGHWAYS, TAMIL NADU - 630561

CERTIFICATE OF COMPLETION

THIS AWARDED TO CERTIFY THAT

Mr. ANNAMALAI

Has successfully completed the Value Added Certified Course on
Antenna Design During 10.11.2022 to 15.11.2022



MR S.MANIKANDAN

HOD/ECE



DR.R.RAJA

PRINCIPAL

PANDIAN SARASWATHI YADAV

ENGINEERING COLLEGE

ARASANNOR, SIVAGANGAI - MADURAI HIGHWAYS, TAMIL NADU - 630561

Principal's Office

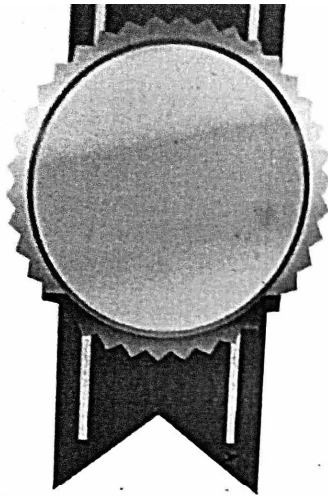
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**PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE**

ARASANNOR, SIVAGANGAI - MADURAI HIGHWAYS, TAMIL NADU - 630561

CERTIFICATE OF COMPLETION

THIS AWARDED TO CERTIFY THAT

Ms. ANITHA

Has successfully completed the Value Added Certified Course on
Antenna Design During 10.11.2022 to 15.11.2022

MR S. MANIKANDAN

HOD/ECE

DR. R. RAJA

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasannor, Thirumangalai P.O-630 561
Sivagangal Dist, Tamilnadu

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