

**1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process**

**EVIDENCES:**

- 1. ACADAMIC YEAR 2022-2023 CALENDAR**
- 2. SYLLABUS LINKS**
- 3. WORKLOAD**
- 4. SUBJECT ALLOCATION**
- 5. LESSON PLAN**
- 6. ASSOCIATION MEETING PARTICULARS**
- 7. PEER TEACHING**
- 8. SYLLABUS REVISIONS**

COLLEGE CALENDAR AND HAND BOOK: <https://www.pacc.in/handbook.php>

UNIVERSITY HAND BOOK & SEMESTER CALENDAR:



**Activity Calendar for the Affiliated Colleges**

The Activity Calendar to be followed from the academic year 2022-2023 is given below.

Sl. No.	Activities	Date of Commencement	Date of Closure
1.	Receipt of Application for granting fresh Affiliation to new Colleges	1 <sup>st</sup> July of Every year	31 <sup>st</sup> Oct. of Every year
2.	Receipt of Application for granting further Affiliation to new Programme	1 <sup>st</sup> July of Every year	31 <sup>st</sup> Oct. of Every year
3.	Receipt of Application for granting Continuation of Affiliation to existing Programme	1 <sup>st</sup> Nov. of Every year	31 <sup>st</sup> Dec. of Every year
4.	Receipt of Application for granting Permanent Affiliation to existing Programme	1 <sup>st</sup> Nov. of Every year	31 <sup>st</sup> Dec. of Every year
5.	Receipt of Application for granting qualification approval to the Teachers	1 <sup>st</sup> of Every month	15 <sup>th</sup> of Every month
6.	Receipt of Application for granting Permission to readmission of students	1 <sup>st</sup> April of Every year	30 <sup>th</sup> June of Every year
7.	Receipt of Application for granting to repeat semester	1 <sup>st</sup> April of Every year	30 <sup>th</sup> June of Every year
8.	Receipt of Application for granting to transfer of students from one college to other college for the same Programme	1 <sup>st</sup> April of Every year	30 <sup>th</sup> June of Every year
9.	Receipt of Application for granting to transfer of students from one college to another for a different Programme ( where no equivalent certificate is required)	1 <sup>st</sup> April of Every year	30 <sup>th</sup> June of Every year
10.	Receipt of Application for granting to transfer of students from one college to another for a different Programme (where equivalent certificate is required)	1 <sup>st</sup> April of Every year	30 <sup>th</sup> June of Every year
11.	Receipt of Application for granting transfer of students from other Universities to Annamalai University (where equivalent certificate is required)	1 <sup>st</sup> April of Every year	30 <sup>th</sup> June of Every year
12.	Receipt of Application for granting to change the Language Paper under Part – I	1 <sup>st</sup> June of Every year	31 <sup>st</sup> July of Every year

REGISTRAR

  
**ANNAMALAI UNIVERSITY**

(Affiliated Colleges)

Academic Calendar 2022 – 2023

July 2022

Date	Day	Particulars	No. of working days
18/07/2022	Monday	Commencement of odd semester for UG/PG	1
19/07/2022	Tuesday		2
20/07/2022	Wednesday		3
21/07/2022	Thursday		4
22/07/2022	Friday		5
23/07/2022	Saturday		6
24/07/2022	Sunday		-
25/07/2022	Monday		7
26/07/2022	Tuesday		8
27/07/2022	Wednesday		9
28/07/2022	Thursday		10
29/07/2022	Friday		11
30/07/2022	Saturday		12
31/07/2022	Sunday		-

Total No. of Working Days: 12

A.

## AUGUST 2022

Date	Day	Particulars	No. of working days
01/08/2022	Monday		13
02/08/2022	Tuesday		14
03/08/2022	Wednesday		15
04/08/2022	Thursday		16
05/08/2022	Friday		17
06/08/2022	Saturday		18
07/08/2022	Sunday		-
08/08/2022	Monday		19
09/08/2022	Tuesday	Muharram	-
10/08/2022	Wednesday		20
11/08/2022	Thursday		21
12/08/2022	Friday		22
13/08/2022	Saturday	Second Saturday	-
14/08/2022	Sunday		-
15/08/2022	Monday	Independence Day	-
16/08/2022	Tuesday		23
17/08/2022	Wednesday		24
18/08/2022	Thursday		25
19/08/2022	Friday	Krishna Jayanthi	-
20/08/2022	Saturday		26
21/08/2022	Sunday		-
22/08/2022	Monday		27
23/08/2022	Tuesday		28
24/08/2022	Wednesday		29
25/08/2022	Thursday		30
26/08/2022	Friday		31
27/08/2022	Saturday		32
28/08/2022	Sunday		-
29/08/2022	Monday		33
30/08/2022	Tuesday		34
31/08/2022	Wednesday	Vinayakar Chaturthi	-

Total No. of Working Days: 22

A.

## SEPTEMBER 2022

Date	Day	Particulars	No. of working days
01/09/2022	Thursday	Commencement of CIA - I for UG/PG	35
02/09/2022	Friday		36
03/09/2022	Saturday		37
04/09/2022	Sunday		-
05/09/2022	Monday		38
06/09/2022	Tuesday		39
07/09/2022	Wednesday		40
08/09/2022	Thursday		41
09/09/2022	Friday		42
10/09/2022	Saturday	Second Saturday	-
11/09/2022	Sunday		-
12/09/2022	Monday		43
13/09/2022	Tuesday		44
14/09/2022	Wednesday		45
15/09/2022	Thursday		46
16/09/2022	Friday		47
17/09/2022	Saturday		48
18/09/2022	Sunday		-
19/09/2022	Monday	Commencement of online course registration and Examination fees payment without fine	49
20/09/2022	Tuesday		50
21/09/2022	Wednesday		51
22/09/2022	Thursday		52
23/09/2022	Friday		53
24/09/2022	Saturday		54
25/09/2022	Sunday		-
26/09/2022	Monday		55
27/09/2022	Tuesday	Commencement of CIA - II for UG/PG	56
28/09/2022	Wednesday		57
29/09/2022	Thursday		58
30/09/2022	Friday	Examination fees payment with fine	59

Total No. of Working Days: 25

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### OCTOBER 2022

Date	Day	Particulars	No. of working days
01/10/2022	Saturday		60
02/10/2022	Sunday	Gandhi Jayanthi	-
03/10/2022	Monday		61
04/10/2022	Tuesday	Ayutha Pooja	-
05/10/2022	Wednesday	Vijaya Dasami	-
06/10/2022	Thursday		62
07/10/2022	Friday		63
08/10/2022	Saturday	Second Saturday	-
09/10/2022	Sunday	Milad-un-Nabi	-
10/10/2022	Monday		64
11/10/2022	Tuesday		65
12/10/2022	Wednesday		66
13/10/2022	Thursday		67
14/10/2022	Friday		68
15/10/2022	Saturday		69
16/10/2022	Sunday		-
17/10/2022	Monday		70
18/10/2022	Tuesday		71
19/10/2022	Wednesday		72
20/10/2022	Thursday		73
21/10/2022	Friday		74
22/10/2022	Saturday		75
23/10/2022	Sunday		-
24/10/2022	Monday	Deepavali	-
25/10/2022	Tuesday		76
26/10/2022	Wednesday		77
27/10/2022	Thursday		78
28/10/2022	Friday	Commencement of CIA - III for UG/PG	79
29/10/2022	Saturday		80
30/10/2022	Sunday		-
31/10/2022	Monday		81


Total No. of Working Days: 22

Q.

## NOVEMBER 2022

Date	Day	Particulars	No. of working days
01/11/2022	Tuesday		82
02/11/2022	Wednesday	Commencement of Practical Examinations	83
03/11/2022	Thursday		84
04/11/2022	Friday		85
05/11/2022	Saturday		86
06/11/2022	Sunday		-
07/11/2022	Monday		87
08/11/2022	Tuesday		88
09/11/2022	Wednesday		89
10/11/2022	Thursday	End of Practical Examination	90
11/11/2022	Friday	Commencement of Theory Examinations	91

Total No. of Working Days: 10



All communications should be addressed to the Registrar  
by designation and not by name.

Phone : 04144-238259  
Fax : 04144-238080  
E-mail : au\_regr @ ymail.com



**ANNAMALAI UNIVERSITY**  
(Accredited with 'A+' Grade by NAAC)  
Annamalainagar - 608 002



From The Registrar (i/c) Annamalai University Annamalainagar - 608 002.	To The Principal of all Affiliated Colleges Annamalai University
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AU/CDC/254/2023-24

12.07.2023

Sir/Madam,

Sub.: Affiliated Colleges - Academic calendar for odd semester of  
academic year 2023-24 - Regarding.

Ref: Orders of the Vice-Chancellor dated 11.07.2023.

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The academic calendar for the odd semester of the academic year 2023-2024  
is attached herewith. All the Principals are requested to follow the schedule given  
in the calendar.

  
Registrar (i/c)

12/7/23

Encl: Academic Calendar



## **SYLLABUS LINKS**

### ANNAMALAI UNIVERSITY

<b>Year&amp; Description</b>	<b>Link</b>
2021-2022 UG & PG Programme: (Annamalai University)	<a href="https://annamalaiuniversity.ac.in/affcl/syllabus4.php">https://annamalaiuniversity.ac.in/affcl/syllabus4.php</a>
2022-2023 UG Programme: (Annamalai University)	<a href="https://annamalaiuniversity.ac.in/affcl/affcl_ug_programmes.php">https://annamalaiuniversity.ac.in/affcl/affcl_ug_programmes.php</a>
2022-2023 PG Programme: (Annamalai University)	<a href="https://annamalaiuniversity.ac.in/affcl/affcl_pg_programmes.php">https://annamalaiuniversity.ac.in/affcl/affcl_pg_programmes.php</a>

**UG & PG WORK LOAD 2022-2023**

**PERIYAR ARTS COLLEGE CUDDALORE**

**DEPARTMENT OF COMPUTER SCIENCE**

**UG & PG WORKLOAD FOR YEAR 2022 - 2023**

**SHIFT I**

<b>Course &amp; Medium</b>	<b>Sanctioned Strength</b>	<b>No. of papers</b>	<b>Nature of paper (Major /Allied /Practical)</b>	<b>No of contact hours per week</b>	<b>Total Hours</b>
II M. Sc. Computer Science		8	4 Major 3 Practical	Major – 5 Major – 5 Major – 5 Major – 3 Practical - 9	27
I M. Sc. Computer Science		8	5 Major 3 Practical	Major – 5 Major – 5 Major – 5 Major – 5 HR - 2 Practical - 8	30
III B. Sc. Computer Science		7	4 Major 1 SBS 2 Practical 1 Project	Major – 4 Major – 4 Major – 3 Major – 3 Project – 5 SBS - 3 Practical - 8	30
II B. Sc. Computer Science		4	1 Major 1 Practical 1 SBS 1 NME	Major – 3 Practical – 3 SBS – 3 NME - 2	11
I B. Sc. Computer Science		3	2 Major 1 Practical EVS	Major – 5 Major – 3 Practical – 3 EVS - 2	13
II B. Sc. Statistics	25	1	1 Allied 1 Practical	Allied – 4 Practical - 3	7

<b>Total Hours</b>	119
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**PERIYAR ARTS COLLEGE CUDDALORE**

**DEPARTMENT OF COMPUTER SCIENCE**

**UG & PG WORKLOAD FOR YEAR 2022 - 2023**

**SHIFT II**

<b>Course &amp; Medium</b>	<b>Sanctioned Strength</b>	<b>No. of papers</b>	<b>Nature of paper (Major /Allied /Practical)</b>	<b>No of contact hours per week</b>	<b>Total Hours</b>
III B. Sc. Computer Science		7	4 Major 1 SBS 2 Practical 1 Project	Major – 4 Major – 4 Major – 3 Major – 3 Project – 5 SBS - 3 Practical - 8	30
II B. Sc. Computer Science		4	1 Major 1 Practical 1 SBS 1 NME	Major – 3 Practical – 3 SBS – 3 NME - 2	11
I B. Sc. Computer Science		3	2 Major 1 Practical EVS	Major – 5 Major – 3 Practical – 3 EVS - 2	13
<b>Total Hours</b>					54

**PERIYAR ARTS COLLEGE CUDDALORE**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**UG & PG WORKLOAD FOR YEAR 2022 - 2023**

**SHIFT I**

**TOTAL NUMBER OF TEACHING HOURS:**

II M. Sc. Computer Science:	27
I M. Sc. Computer Science:	30
III B. Sc. Computer Science:	30
II B. Sc. Computer Science:	11
I B. Sc. Computer Science:	13
II B. Sc. Statistics:	7
<b>Total Hours</b>	<b>119</b>

**DISTRIBUTION OF WORK LOAD AMONG THE EXISTING STAFF MEMBERS:**

1. HOD:	12
2. Asst. Prof1:	14
3. Asst. Prof2:	15
4. Asst. Prof3:	15
5. Asst. Prof4:	15
6. Asst. Prof5:	16
7. Asst. Prof6:	16
8. Asst. Prof7:	16

**Total Hours 119**

**Number of sanctioned Post : 8**

**Number of required Staff : 8**

**Number of Regular Staff : 8**

**Number of GL staff : 0**

**Number of Staff Required : 0**

**PERIYAR ARTS COLLEGE CUDDALORE**

**DEPARTMENT OF COMPUTER SCIENCE**

**UG & PG WORKLOAD FOR YEAR 2022 - 2023**

**SHIFT II**

**TOTAL NUMBER OF TEACHING HOURS:**

III B. Sc. Computer Science: 30

II B. Sc. Computer Science: 11

I B. Sc. Computer Science: 13

**Total Hours 54**

**DISTRIBUTION OF WORK LOAD AMONG THE EXISTING STAFF MEMBERS:**

Lecturer1: 13

Lecturer2: 13

Lecturer3: 14

Lecturer4: 14

**Total Hours: 54**

**Number of sanctioned Post : 4**

**Number of required Staff : 4**

**Number of Regular Staff : 0**

**Number of GL staff : 4**

**Number of Staff Required : 0**

# **SUBJECT ALLOCATION**

**PERIYAR ARTS COLLEGE CUDDALORE-607001**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**YEAR 2022 – 2023**  
**SUBJECT ALLOCATION FOR ODD SEMESTER (I, III, V)**

S. No	Class	Subject Code	Subject Name	Name of the Staff	
				Shift I	Shift II
1.	I B. Sc. Computer Science	22UCSCC13	Fundamentals of Computers	Mr.Velraj	Mrs.Manimegalai
2.		22UCSCC14	Programming in C	Dr. Jerald	Mrs.Anandhi
3.		22UCSCP15	Programming in C Lab	Dr. Jerald	Mrs.Manimegalai
4.		22UENV518	Environmental Studies	Mr.Mourougaradjane	Mrs.Anandhi
5.	II B. Sc. Computer Science	21UCSCC33	Programming in Java	Mr.Velraj	Mrs.Anandhi
6.		21UCSCP34	Programming in Java Lab	Mr.Velraj	Mrs.Anandhi
7.			Digital Logic Design & Computer Organization	Mr. Jerald	Mrs.Manohari
8.	II English		NME	Mr.Dhanavel	
9.	III B. Sc. Computer Science	CCS51	Mobile Application Development	Mr.Dhanavel	Mr.Saravanakumar
10.		CCS52	Operating System	Mr.Velraj	Mrs.Manohari
11.		CCS53	Design & Analysis of Alg.	Dr. Leenus	Mrs.Manimegalai
12.		CECS54C	Software Testing	Dr. Leenus	Mr.Saravanakumar
13.		CSCS55	Software Engineering	Dr. Jerald	Mrs.Anandhi
14.		CPCS56	MAD Lab	Mr.Dhanavel	Mr.Saravanakumar
15.		CPCS57	Operating System Lab	Dr.Geetha	Mrs.Manohari
16.		I M. Sc. Computer Science	22PCSCC11	Design & Analysis of Alg.	Dr.Bhuvaneswari
17.	22PCSCC12		Advanced Java Programming	Dr. Leenus	
18.	22PCSCC13		Advanced DBMS	Mr.Mourougaradjane	
19.	22PCSCC16-2		Human Computer Interaction	Mr.Velraj	
20.	22PCSCP14		Algorithm Lab using Java	Dr.Bhuvaneswari	
23.	22PCSCP15		Advanced RDBMS Lab	Mr.Mourougaradjane	
24.	II M. Sc. Computer Science	21PCSEC31	Distributed Operating Systems	Dr.Geetha	
25.		21PCSEC32	XML & Web services	Mr.Mourougaradjane	
26.		21PCSEC33	Programming using Python	Dr.Bhuvaneswari	
28.		21PCSEC35-2	Internet of Things	Dr. Leenus	

29.		21PCSEP37	Unix Lab	Dr.Geetha	
30.		21PCSEP38	XML & Web services Lab	Mr.Mourougaradjane	
31.		21PCSEP39	Prog. using Python Lab	Dr.Bhuvaneswari	

**PERIYAR ARTS COLLEGE CUDDALORE-607001**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**YEAR 2022 - 2023**  
**SUBJECT ALLOCATION FOR EVEN SEMESTER (II, IV, VI)**

S. No	Class	Subject Code	Subject Name	Name of the Staff	
				Shift I	Shift II
1.	I B. Sc. Computer Science	22UCSCC23	Programming with C++	Mr.Dhanavel	Mrs.Manimegalai
2.		22UCSCP24	Programming with C++ Lab	Dr. Leenus	Mrs.Manimegalai
		22UCSCE26-1	Digital Logic Fundamentals	Dr. Jerald	Mrs.Anandhi
3.		22UVALE27	Value Education	Dr.Dhanavel	Mrs.Manimegalai
4.	II B. Sc. Computer Science	21UCSCC43	RDBMS	Mr.Velraj	Mrs.Anandhi
5.		21UCSCP44	RDBMS Lab	Mr.Velraj	Mrs.Anandhi
6.	II English		NME	Mr.Dhanavel	
7.	II Stat	21USTAP04	Programming in C	Dr.Bhuvaneswari	
8.	III B. Sc. Computer Science	CCS61	Open Source Software	Dr. Leenus	Mrs.Anandhi
9.		CCS62	Python Programming	Mr.Mourougaradjane	Mr.Saravanakumar
10.		CECS63A	Big Data Analytics	Mr.Dhanavel	Mrs.Manohari
11.		CECS64C	Cloud Computing	Mr.Velraj	Mr.Saravanakumar
12.		CPCS66	Python Programming Lab	Mr.Mourougaradjane	Mr.Saravanakumar
13.		CPCS67	Open Source Software Lab	Dr.Geetha	Mrs.Manohari
14.		CPCS68	Project Work	Dr. Leenus	
15.		I M. Sc. Computer Science	22PCSCC21	Advanced Web Technology	Dr. Jerald
16.	22PCSCC22		DM and Business Intelligence	Dr.Bhuvaneswari	
17.	22PCSCC23		Distributed Operating System	Dr.Geetha	
18.	22PCSCE26-2		Open Source Computing	Dr. Leenus	
19.	22PCSCP24		Adv. Web Technologies LAB	Dr. Jerald	
20.	22PCSCP25		Data Mining Lab Using R Lab	Dr.Bhuvaneswari	
21.	22PHUMR27		Human Rights	Mr.Velraj	
22.	II M. Sc. Computer Science	21PCSEC41	Mobile Application Development	Mr.Dhanavel	
23.		21PCSEC42	Software Project Management	Mr.Mourougaradjane	



24.		21PCSEE45-1	Big Data Analytics	Mr. Leenus	
25.		21PCSEP47	MAD Lab	Mr.Dhanavel	
26.		21PPROJ50	Project Work	Dr.Geetha	

# **LESSON PLAN**

## **2022-2023**

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff Dr. J. KARPAGAM

Course / Class: II - M.Sc physics

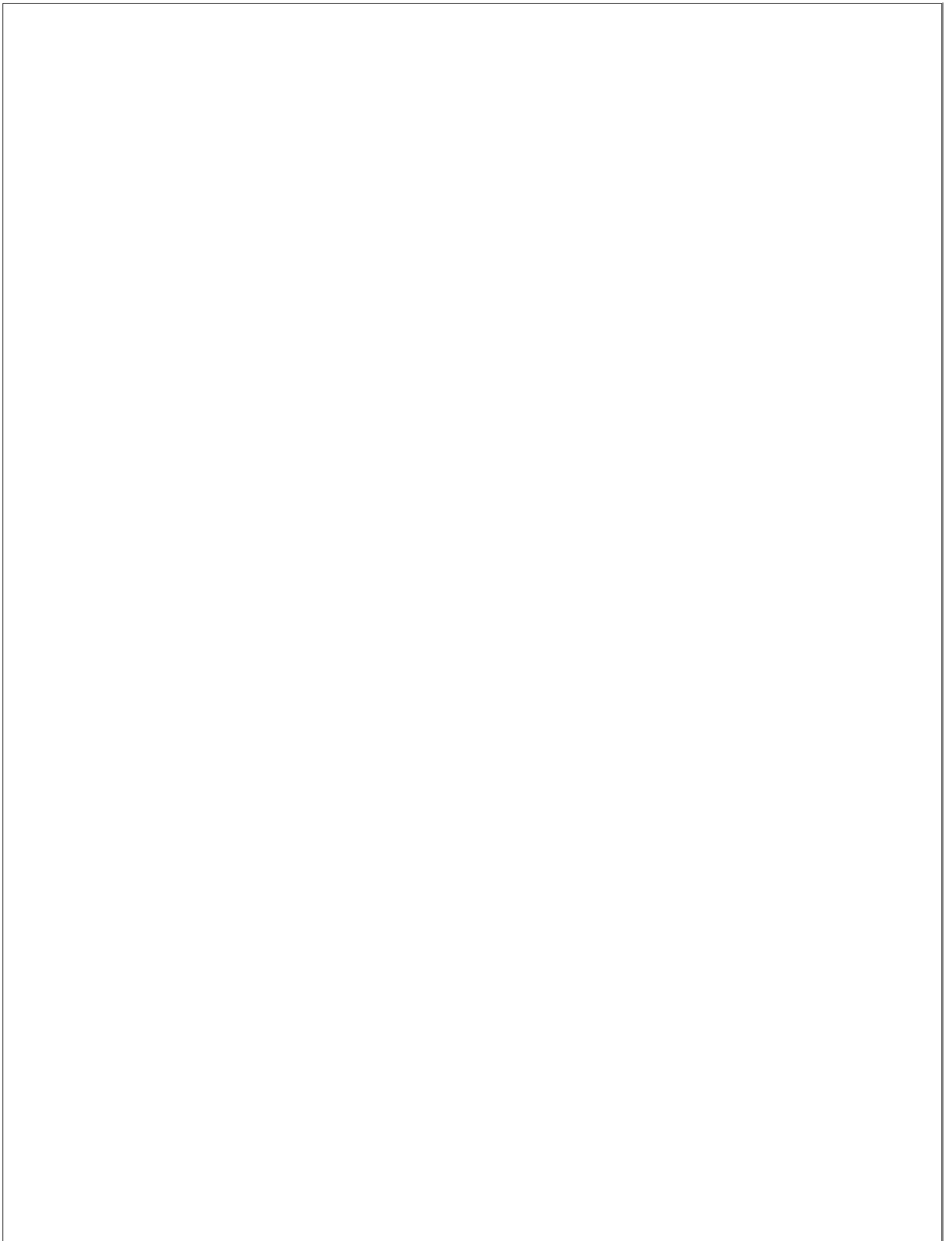
Subject Code 21PPHYE35-2

Units Allotted: III & IV

Title of Paper Material Science

Year: 2022-2023  
Semester: I

Date	Day Order	Hour	Topics to be Covered	Remarks
24-08-22	I	II & III	Introduction about Biomaterials Lecture on biomedical applications, chemical structure and property of Biomaterials.	
20-09-22	III	IV	Lecture about Degradation of biomaterials, polymeric biomaterials.	
12-10-22	I	I & II	Introduction and preparation for hydrogel biomaterials, bioconjugation techniques. Assignment given.	
20-10-22	I	II	Biomaterials for drug delivery application (small molecules, gene and protein) given.	
29-10-22	I	III	Discussion for Biomaterials implantation, Biomaterials for imaging and diagnosis	
05-11-22	I	II	Test conducted	
19-11-22	I	II	Introduction about NLO Materials. Lecture on Harmonic Generation	
28-11-22	II	II	Discussion about second Harmonic generation, phase matching & Third Harmonic generation.	
29-11-22	III	II	Lecture on optical mixing, parametric generation of light, self focusing of light & non linear optical material	
30-11-22	IV	II	Revision & Model University Question papers were discussed.	



PEF

Name of Staff **Dr. :**

Subject Code **22F**

Title of Paper **Math**

Date	Day Order
14-10-22	II
21-10-22	II
28-10-22	II
04-11-22	II
11-11-22	II
18-11-22	II
25-11-22	II
02-12-22	II
09-12-22	II
16-12-22	II
23-12-22	II
30-12-22	II
06-01-23	II

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS  
LESSON PLAN

Name of Staff **Dr. J. KARPAGAN**

Course / Class: **III B.Sc Physics E/M S/T/M**  
(Combined class)

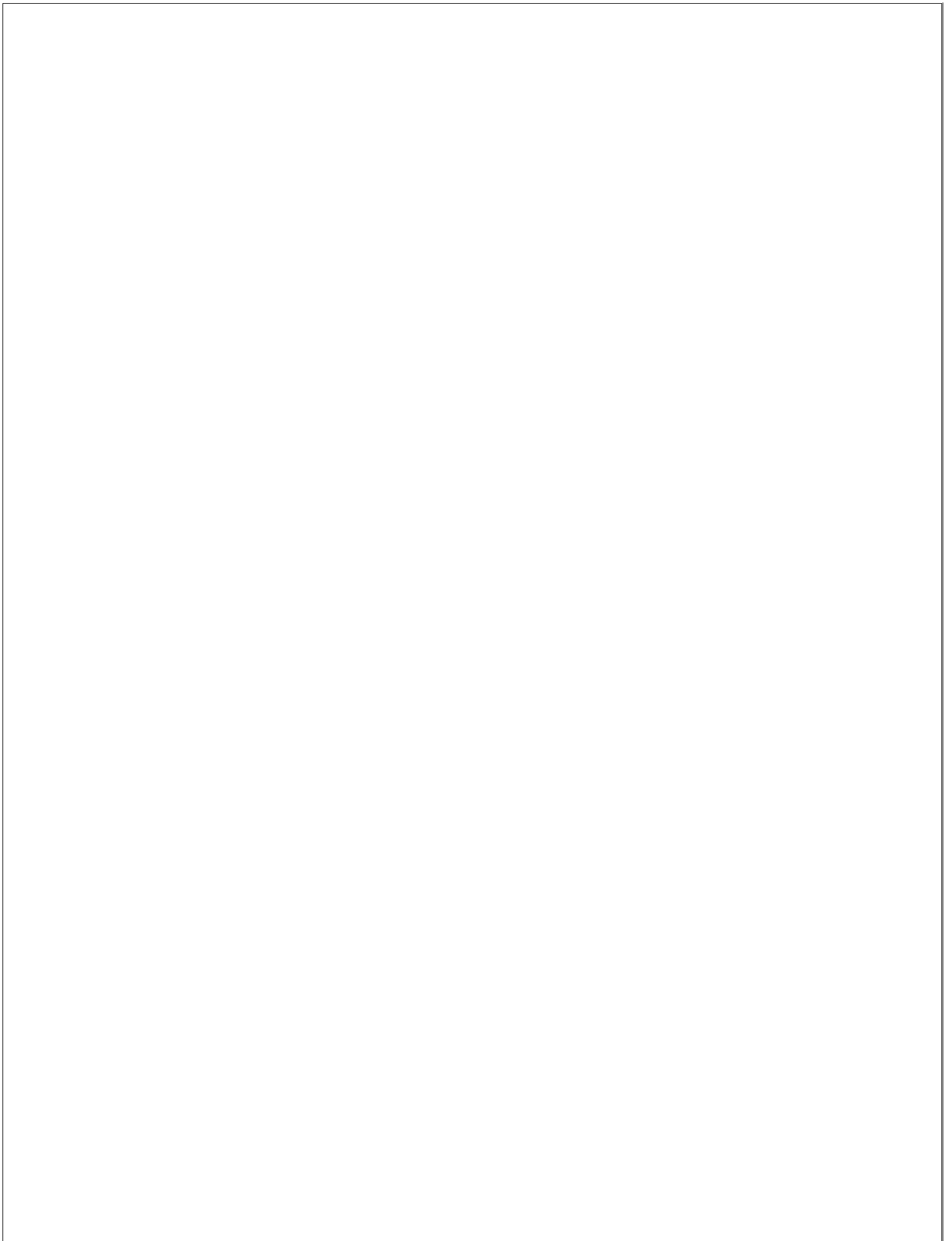
Subject Code **CPH53**

Units Allotted: **I & II**

Year: **2022-2023**

Title of Paper **Basic and Applied Electronics Semester: I**

Date	Day Order	Hour	Topics to be Covered	Remarks
22-08-22	III		Syllabus given	
23-08-22	II		Discussion about Basic Electronics	
25-08-22	III		Lecture on Electronics, definition of electronics and types of electronics.	
26-08-22	III		Discussion about the applications of Electronics	
01-09-22	II		Discussion about conductors, Insulators and semiconductors.	
06-09-22	V	II	Explanation given for PN junction diode and its characteristics.	
07-09-22	VI	I & IV	Lecture on Full wave Bridge Rectifier - its characteristics.	
13-09-22	IV	I	Revision	
19-09-22	II	I	Discussion about Zener Diode	



PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff Dr. J. KARPAAGAN

Course / Class: III B.Sc physics E/M

Subject Code CPH53

Units Allotted: I & II

Title of Paper Basic and Applied Electronics

Year: 2022 - 2023

Semester: I

Date	Day Order	Hour	Topics to be Covered	Remarks
23-09-22	<u>VI</u>	<u>IV</u>	Introduction about Basic and Applied Electronics. Lecture about classification of solids and energy bands.	
27-09-22	<u>II</u>	<u>I</u>	Lecture on PN junction diode and Full wave Bridge rectifier.	
01-10-22	<u>II</u>	<u>I</u>	Discussion about Zener diode, voltage regulated power supply, Tunnel diode.	
11-10-22	<u>IV</u>	<u>II</u>	Lecture on characteristics of tunnel diode, Tunnel diode as an oscillator & Construction and working of Photo diode. Assignment given.	
14-10-22	<u>II</u>	<u>II</u>	Discussion given for Photo transistor, Solar cell & LED.	
18-10-22	<u>VI</u>	<u>II</u>	Explanation given for FET, Construction and working, FET as an amplifier, Opp characteristics and Parameters of FET.	
19-10-22	<u>VI</u>	<u>III</u>	Test conducted.	
21-10-22	<u>II</u>	<u>II</u>	Lecture on MOSFET, Construction & working, SCR as a switch & half wave Rectifier.	
27-10-22	<u>IV</u>	<u>II</u>	Explanation about UJT, V-I characteristics and UJT as relaxation oscillator.	
28-10-22	<u>VI</u>	<u>IV</u>	Introduction about Amplifiers & oscillators. Lecture on RC-coupled amplifier, & power amplifier.	
31-10-22	<u>IV</u>	<u>II</u>	Explanation for class A, B & C, push pull amplifier.	
27-11-22	<u>II</u>	<u>I &amp; V</u>	Test conducted.	

0.11.22	<u>V</u>	<u>II</u>	Lecture about feedback amplifier, principles & gain of negative feedback amplifier.
14.11.22	<u>II</u>	<u>II</u>	Introduction about Hybrid parameter. Determination of h-parameter, equivalent circuit.
17.11.22	<u>II</u>	<u>V</u>	Discussion for linear circuit in h parameter and CE mode.
18.11.22	<u>III</u>	<u>IV</u>	Explanation for sinusoidal oscillator. Hartley & Colpitt's oscillator - operation and frequency of oscillation.
25.11.22	<u>VI</u>	<u>IV-V</u>	Explanation for phase shift, Wein bridge oscillator.
30.11.22	<u>II</u>	<u>I</u>	Lecture on Crystal oscillator. Model university question papers were discussed.

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff Dr. J. KARPAGAM Course / Class: III B.sc physics I<sub>M</sub>  
Subject Code CPH53 Units Allotted: I & II Semester: I  
Title of Paper Basic and Applied Electronics Year: 2022-2023

Date	Day Order	Hour	Topics to be Covered	Remarks
23-09-22	V	I	Introduction about Basic & Applied Electronics Lecture on classification of solid energy bands	
24-09-22	V	I	Lecture about PN Junction diode & Full wave Bridge Rectifier	
01-10-22	II	I	Discussion about Zener diode, Voltage regulated power supply & Tunnel diode	
10-10-22	IV	I	Lecture on characteristics of tunnel diode Tunnel diode as an oscillator, photo diode & Assignment given	
12-10-22	V	I	Explanation given for photo transistor, solar cell & LED.	
17-10-22	IV	I	Discussion about FET, Construction and working of FET, FET as an amplifier also given the characteristics & parameters	
19-10-22	V	I	Test conducted	
26-10-22	II	I	Discussion about MOSFET, SCR as a switch & Half wave Rectifier	
28-10-22	V	I	Lecture on UJT, V-I characteristics & UJT as relaxation oscillator	
02-11-22	IV	I	Discussion given for Amplifiers & Oscillator Explanation about RC coupled amplifier and Power Amplifier	
04-11-22	V	I & III	Explanation given for class A, B & C, push pull amplifier.	
07-11-22	II	I & II	Test Conducted	

09-11-22	IV	I	Lecture on Feedback amplifier, Principles, Gain of negative feedback amplifier.
16-11-22	IV	I	Explanation given about Hybrid parameter Lecture on h-parameters & its equivalence circuit.
18-11-22	V	I	Discussion about linear circuit in h-Parameter and CE mode.
25-11-22	V	I	Discussion about sinusoidal oscillators. Lecture on Hartley & Colpitt's oscillator
30-11-22	II	I & II	Explanation for phase shift & Wein bridge Crystal oscillator. Model University Question papers were discussed.



PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS  
LESSON PLAN

Name of Staff: D. J. KARPAGAM

Course / Class: I-B.Sc Physics F/M 3<sup>rd</sup>/M

Subject Code: 22UPHYC13

Units Allotted: I

Year: 2022-2023

Title of Paper: Properties of Matter and Sound Semester: I

Date	Day Order	Hour	Topics to be Covered	Remarks
13-09-22	IV	III	Introduction about physics and applications of physics in various fields.	
29-09-22	IV	II	Discussion about Elasticity, Hook's law Elastic moduli & poisson's Ratio	
10-10-22	IV	III	Lecture on Beams, bending of beam & Expression given for bending moment	
17-10-22	IV	III	Explanation given for cantilever & theory of uniform bending	
26-10-22	IV	III	Discussion for non-uniform bending. Determination of Young's modulus, Koenig's method. Assignment given	
02-11-22	IV	III	Test conducted	
09-11-22	IV	III	Discussion about Torsion of a body Expression for couple per unit twist	
16-11-22	IV	III	Explanation for work done in twisting a wire & torsional oscillation of a body.	
30-11-22	IV	III	Lecture on Rigidity modulus by dynamic torsion method (Torsional pendulum)	
27-12-22	IV	II	Lecture on Rigidity modulus by static torsion method (Torsional pendulum) Model university Question papers were discussed.	
04-01-23	IV	II, III	Test conducted.	

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff: Dr. J. KARPAGAN Course / Class: I-B.sc chemistry T<sub>1</sub>  
Subject Code: 22UPHYA01 Units Allotted: I & V  
Year: 2022-2023  
Time of Paper: Allied Physics-I Semester: I

Date	Day Order	Hour	Topics to be Covered	Remarks
05-09-22	<u>V</u>	<u>I</u>	Introduction about physics. Discussion given for the applications of Physics in day today life.	
12-09-22	<u>II</u>	<u>II</u>	Discussion about Elasticity, plastic stress, types of stress	
13-09-22	<u>III</u>	<u>II</u>	Explanation about strain and types of strain.	
20-09-22	<u>III</u>	<u>II</u>	Discussion for Elastic limit, Hooke's law, Poisson's Ratio	
15-10-22	<u>III</u>	<u>II</u>	Lecture on 3 types of moduli of elasticity (Elastic constant), Bending of beam & Bending moment derivation	
17-10-22	<u>IV</u>	<u>V</u>	Explanation given for Cantilever. Depression at the loaded end of a Cantilever. Arrangement given.	
24-10-22	<u>IV</u>	<u>V</u>	Determination of Young's modulus by non-uniform bending	
01-11-22	<u>III</u>	<u>II</u>	Derivation for the determination of Young's modulus by uniform bending.	
02-11-22	<u>IV</u>	<u>II</u>	Introduction about viscosity, Discussion about Turbulent and streamline flow.	
08-11-22	<u>III</u>	<u>II</u>	Explanation about viscous force, Coefficient of viscosity of a liquid.	
09-11-22	<u>IV</u>	<u>V</u>	Derivation for Poiseuille's formula. Discussion about Surface tension & interfacial surface tension by the method of drops.	

15-11-22	<u>III</u>	<u>II</u>	Test conducted
16-11-22	<u>IV</u>	<u>V</u>	Introduction about Interference - Discussion for the condition of maxima and minima interference
22-11-22	<u>III</u>	<u>II</u>	Discussion for Airwedge - thickness of a thin wire.
29-11-22	<u>III</u>	<u>II</u>	Lecture on Newton's Rings - determination of wavelength using Newton's Rings.
30-11-22	<u>IV</u>	<u>V</u>	Discussion about the difference between Fresnel and Fraunhofer diffractions. Lecture on the theory of transmission grating - normal incidence.
07-12-22	<u>III</u>	<u>II</u>	Introduction about polarization, optical activity, Biot's law, specific rotatory power.
13-12-22	<u>IV</u>	<u>V</u>	Discussion for Laurent's Half shade polarimeter
02-01-23	<u>III</u>	<u>II</u>	Model university Question Papers were discussed



PERIYAR ARTS COLLEGE, CUDDALORE - 607001

DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff: Dr. J. KARPAGAN

Course / Class: III B.sc physics E/P

Subject Code:

Units Allotted:

Year: 2022-2023

Title of Paper: Electronics practical IV Semester: I

Date	Day Order	Hour	Topics to be Covered	Remarks
06-09-22	V	III, IV, V	1. Verification of De Morgan's Theorem	
22-09-22	V	III, IV, V	2. Half adder and Full adder using NAND Gates.	
11-10-22	V	III, IV, V	3. Half subtractor and Full subtractor using NAND Gates.	
18-10-22	V	III, IV, V	4. Microprocessor - 8085. Addition and subtraction (using Hexadecimal)	
27-10-22	V	III, IV, V	Repeantation class	
10-11-22	V	III, IV, V	5. RS, clocked RS and D-flip flop using NAND Gates.	
17-11-22	V	III, IV, V	6. Op-Amp, voltage follower, Adder, subtractor & Averages	
24-11-22	V	III, IV, V	7. K-Map of reduction & logic circuit implementation	

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff: Dr. J. KARPAGAM

Course / Class: II M.Sc Physics

Subject Code: 21PPHYC41

Units Allotted: I

Title of Paper: Spectroscopy

Year: 2022-2023

Semester: II

Date	Day Order	Hour	Topics to be Covered	Remarks
01.02.23	I	I & II	Introduction about Microwave Spectroscopy. Lecture on classification of molecules	
09.02.23	I	I	Discussion for interaction of radiation with rotating molecule, Rotational Spectra of Rigid molecule	
21.02.23	III	IV	Discussion about Isotope effect in rotational spectra, Intensity of rotational lines.	
11.03.23	I	II	Explanation for non Rigid rotator, linear Polyatomic molecules.	
14.03.23	III	I	Lecture on symmetric and asymmetric top molecules. Assignment given.	
18.03.23	I	II	Discussion about Stark effect quadrupole & Hyperfine interaction	
27.03.23	I	II	Explanation given for Microwave Spectrometer - Instrumentation. Lecture about the applications of Microwave Spectrometers.	
03.04.23	I	I & II	Test conducted	
13.04.23	I	II	Revision & Model university Question papers were discussed.	

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff: Dr. J. KARPAGAM

Course / Class: I - M.Sc physics

Subject Code: 22PPHYC21

Units Allotted: V

Title of Paper: Quantum Mechanics

Year: 2022-2023

Semester: II

Date	Day Order	Hour	Topics to be Covered	Remarks
22-02-23	<u>II</u>	<u>III</u>	Derivation for Klein-Gordon equation for a free particle	
10-02-23	<u>II</u>	<u>III, IV</u>	Derivation for KG equation in an electromagnetic field. Lecture on Dirac's Relativistic equation.	
20-02-23	<u>II</u>	<u>III</u>	Derivation given for a Dirac equation for a free particle. Lecture about Dirac matrices. Assignment given	
27-02-23	<u>II</u>	<u>III</u>	Explanation given for plane wave solution & charge and current density.	
13-03-23	<u>II</u>	<u>III</u>	Test conducted	
20-03-23	<u>II</u>	<u>III, IV</u>	Discussion about existence of electron spin-negative energy states.	
28-03-23	<u>II</u>	<u>III</u>	Explanation given for spin-orbit coupling, Zitterbewegung 'jittery' motion of a free particle.	
25-04-23	<u>II</u>	<u>III</u>	Model university Question papers were discussed.	
19-04-23	<u>II</u>	<u>II &amp; III</u>	Revision for KG equation & Dirac's equation.	

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff: Dr. J. KARPAGAN Course / Class: II B.Sc Physics T/M  
Subject Code: CFPB3A Units Allotted: IV & V  
Title of Paper: Fundamentals of MP-2025 Year: 2022-2023  
Semester: II

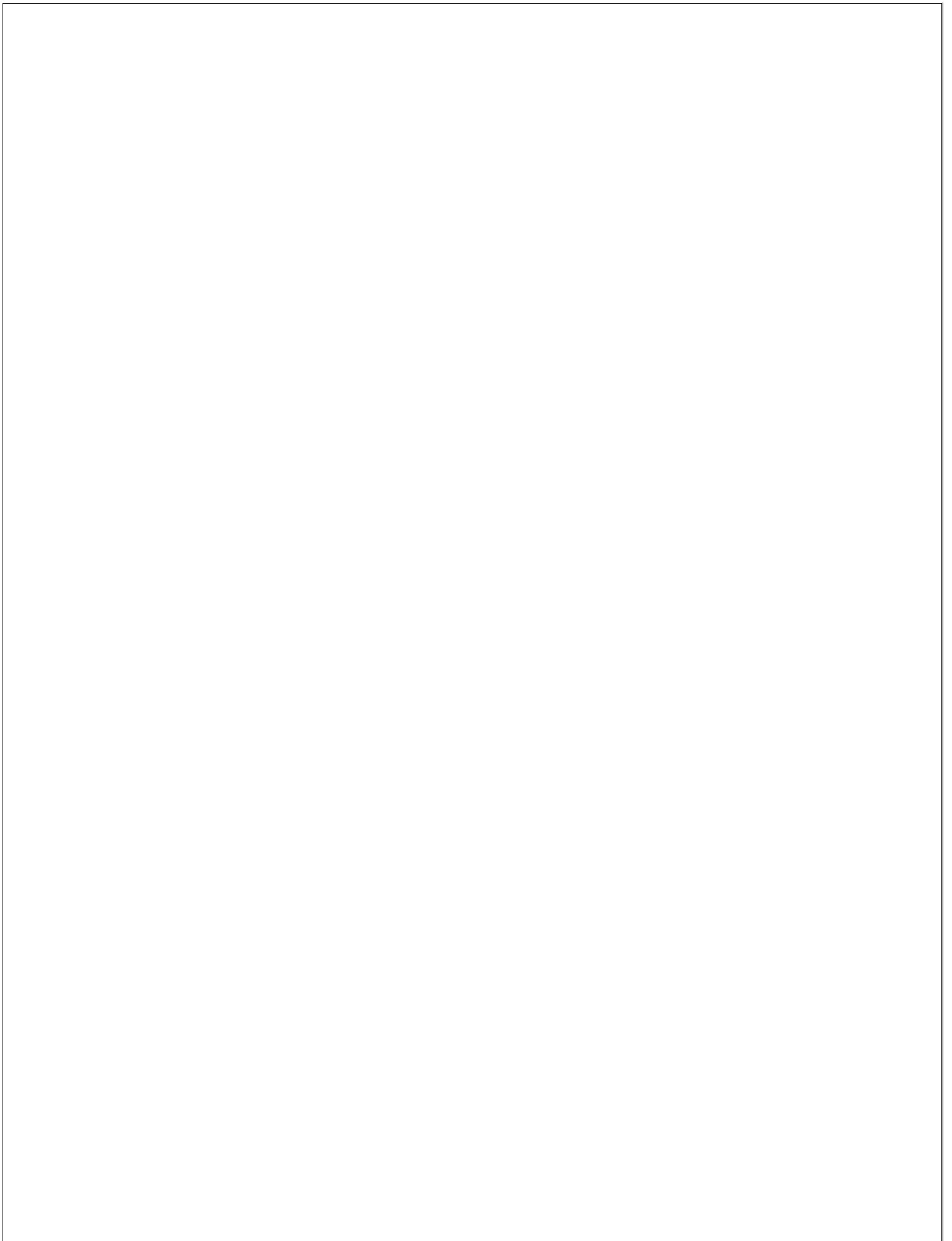
Date	Day Order	Hour	Topics to be Covered	Remarks
23-02-23	IV	V	Introduction about Microprocessor	
24-02-23	V	II	Discussion about Memory interface basics, Demultiplexing address, data bus.	
27-02-23	VI	II	Explanation given for Generation Control signals - 2K x 8 Row interface	
18-02-23	III	IV	Discussion about 2K x 8 RAM interface Assignment given.	
15-02-23	V	I	In Fx instruction and its timing diagram given. Lecture on I/O interface	
21-02-23	III	V	Discussion about the design of output port using octal latch & memory mapping - I/O difference between direct I/O.	
28-02-23	IV	V	Test conducted	

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS

LESSON PLAN

Name of Staff: Dr. J. KARPAGAN Course / Class: I B.Sc Physics T/M  
Subject Code: 22UVALE27 Units Allotted: I to V  
Title of Paper: Value Education Year: 2022-2023  
Semester: II

Date	Day Order	Hour	Topics to be Covered	Remarks
23-02-23	VI	I	Introduction about value Education	
24-02-23	IV	III	Discussion about Universal and Ethical Values. Lecture on Integrity and Honesty.	
28-02-23	VI	I & II	Explanation given for Ethics - Conscience and loyalty. Lecture on characteristic features of an Honourable person.	
14-02-23	W	III	Discussion for a character - a learnt behaviour. Assignment given	
22-02-23	IV	III	Test conducted	
24-02-23	VI	I	Discussion about Reputation and character. Lecture on Honourable character Building.	
24-03-23	IV	III	Explanation given for a Man is the Master of Thoughts.	
03-03-23	VI	I	Lecture on Thoughts crystallize into Habits.	
15-03-23	IV	III	Test conducted	
17-03-23	VI	I	Lecture on Good thoughts and action produce Good Results.	
23-03-23	IV	III	Lecture on God is with us to solve our problem.	
25-03-23	VI	I	Lecture on we are greater than our problem.	
30-03-23	IV	III	Discussion for Every Human Being has the Built-in potential to solve all problem.	
10-04-23	VI	III	Revision & Model University Question Papers were discussed.	





PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS  
LESSON PLAN

Name of Staff: Dr. J. KARPAGAN

Course / Class: I B.Sc Chemistry T<sub>1</sub>

Subject Code: 22UPHYA02

Units Allotted: I, IV - 3 V (Second Half of V)

Name of Paper: Allied Physics II

Year: 2022 - 2023

Semester: II

Date	Day Order	Hour	Topics to be Covered	Remarks
02-02-23	III	II	Introduction about Number system Decimal, Binary number system.	
04-02-23	IV	I	Discussion about Octal and Hexadecimal systems. Lecture on Number Conversion (decimal to binary, decimal to hexadecimal and vice versa).	
07-02-23	III	II	Explanation about Binary addition, subtraction. Introduction about logic gates. Problems were solved.	
08-02-23	III	II	Discussion about logic gates, OR, AND, NOT, XOR, NAND and NOR gates, truth tables.	
09-02-23	IV	I	Discussion about Half adder, Full adder.	
10-02-23	III	II	Explanation for laws and theorems of Boolean's algebra.	
15-02-23	IV	I	Test conducted.	
17-02-23	III	II	Explanation about De Morgan's theorem.	
23-02-23	IV	I	Lecture on Coulomb's inverse square law, Gauss law and its application. Electric field at a point due to charged spheres & cylinders.	
24-02-23	III	II	Explanation about electric potential, point charge, principle of a capacitor.	
30-02-23	IV	I	Discussion about the capacity of a spherical and cylindrical capacitor. Energy stored in a capacitor, loss of energy due to sharing of charges.	

06-04-23	III	II	Discussion about capacitors in series and parallel. Lecture on types of capacitors.
10-04-23	IV	I-3 II	Discussion about working of a transistor CE configuration, Feedback, Hartley & Colpitt's oscillator.
17-04-23	V	V	Revision, Model University Question Paper were discussed.

PERIYAR ARTS COLLEGE, CUDDALORE - 607001  
DEPARTMENT OF PHYSICS  
LESSON PLAN

Name of Staff Dr. J. KARPAGAM

Course / Class III B.Sc Physics F/H

Subject Code

Units Allotted :

Title of Paper Physics Practical III

Year: 2022-2023

Semester: II

Date	Day Order	Hour	Topics to be Covered	Remarks
01-02-23	I	III, IV, V	7. Spectrometer - Dispersive power of a prism	
02-02-23	I	III, IV, V	8. Spectrometer - Dispersive power of a Grating	
03-02-23	I	III, IV, V	9. Field along the axis of a circular coil carrying current - Determination of BH & M	
05-02-23	I	III, IV, V	10. Spectrometer - Narrow angled prism angle of deviation - Normal incidence and Normal emergence - refractive index	
06-03-23	I	III, IV, V	11. Searle's vibration Magnetometer - Determination of BH	
07-03-23	I	III, IV, V	Repetition class	
08-03-23	I	III, IV, V	Repetition class - 12. Comparison of Mutual inductances	
09-04-23	I	III, IV, V	Repetition class & Formula Test conducted.	
19-04-23	I	III, IV, V	Formula Test conducted	
24-04-23	I	III, IV, V	Model Practical Examination conducted	
25-04-23	I	III, IV, V	Record (Banafide) correction.	

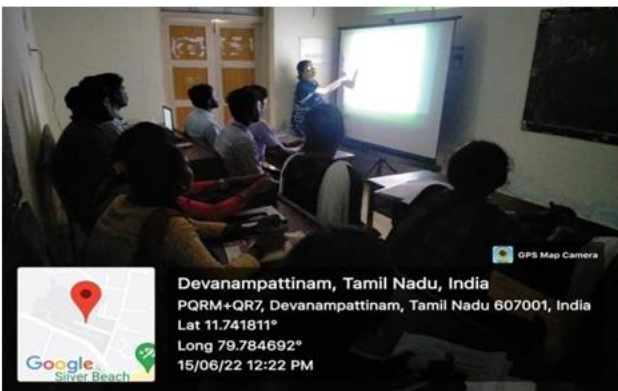
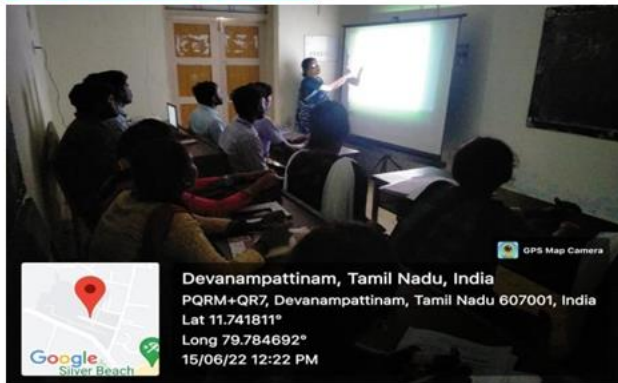


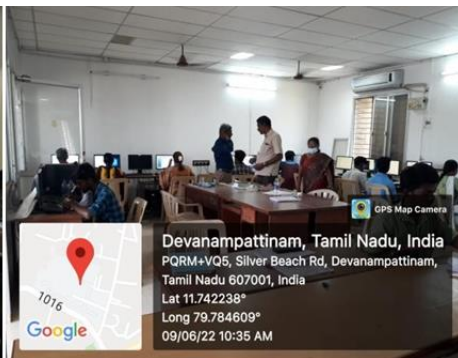
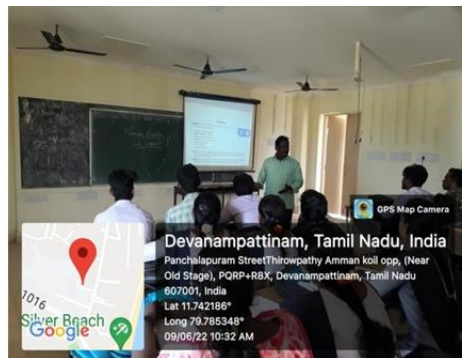
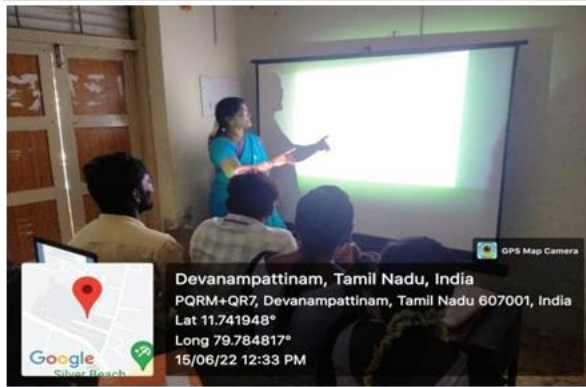
# USE OF ICT TOOLS



The College uses various ICT tools for effective teaching. Most of the departments are equipped with LCD Projectors. Lab demonstration and class room teaching are done through LCD projectors and smartboards. Purchase and maintenance of ICT tools are done through UGC and state funds provided to the college. LCD PROJECTORS, SMART BOARD, COMPUTERS, DOCUMENT PROJECTORS, WIRELESS INTERACTIVE WHITE BOARD, WIRELESS TABLETS are available in the college and are used for effective teaching.

## ICT ENABLED CLASSES





# **PEER TEACHING**

PERIYAR ARTS COLLEGE CUDDALORE 607001

ACADEMIC YEAR.....2022-2023

**PEER TEACHING**

DEPARTMENT OF CHEMISTRY

Odd semester

S.N O	DATE	Class Name	NAME OF THE STAFF INCHARGE	NAME OF STUDENT TEACHER	TITTLE	BENEFICIA RY
1.	22.08.2 2	I- M.Sc.,	Dr.B.SharmilaIndir ani	B.Balasunda ri	Conformation al Analysis	24
2.	26.08.2 2	I- M.Sc.,	Dr.S.Thambidurai	R.Ajay	Assigning the Point group	24
3.	27.10.2 2	I MSc chem	Dr.K.Anandhy	S.Gayathiri	Polymer mouldings-	26
4.	05.11.2 2	II MSc chem	Dr.K.Anandhy	J.Jayanath	Micro wave assisted Green synthesis-	24
5.	07.11.2 2	II MSc., chemistr y	Dr.S.NALINI	J.Jayanath 10521PCHE0 05	Organometalli c Reactions	24
6.	20.12.2 2	II MSc., chemistr y	DrS.NALINI	R.Ramya 10521PCHE0 14	Application of Ru(III) complex photochemistry	24

**PERIYAR ARTS COLLEGE CUDDALORE 607001**

**ACADEMIC YEAR.....2022-2023**

**PEER TEACHING**

**DEPARTMENT OF CHEMISTRY**

**Even semester**

<b>S.N O</b>	<b>DATE</b>	<b>Class Name</b>	<b>NAME OF THE STAFF INCHARGE</b>	<b>NAME OF STUDENT TEACHER</b>	<b>TITTLE</b>	<b>BENEFICIAR Y</b>
1.	25.01.23	II MSc Chemistry	Dr.K.Anandhy	R.Sneha	Radioactive wastes and disposal	24
2.	01.03.23	I-M.Sc., Chemistry	Dr.B.SharmilaIndirani	P.Lavanya	Grignard reagent & uses	24
3.	06.03.23	I-M.Sc., Chemistry	Dr.S.Thambidurai	P.Arunkumar	Postulates of Quantum Mechanics	24
4.	15.03.23	I MSc., Chemistry	Dr.S.NALINI	I.Kaviya 22PCH15	Photo chemistry of Cr(III) Complexes	26
5.	31.03.23	I MSc Chemistry	Dr.K.Anandhy	P.Arun Kumar	Principles of Green Chemistry.	26
6	24.04.23	I-M.Sc., Chemistry	Dr.S.Kalaimani	P.Arunkumar 22PCH05	Linear accelerator	23
7	27.04.23	I MSc., Chemistry	Dr.S.NALINI	S.Kayalvizhi 22PCH16	Aquation and Anation Reactions	26



# **SYLLABUS REVISION**

S.No	Programme Name	Name of the Department	Year of introduction	Year of revision
1	B.A. TAMIL	TAMIL		2017,2020,2021 2022,2023
2	B.A. ENGLISH	ENGLISH		2017,2020,2021 2022,2023
3	B.A. HISTORY	HISTORY		2017,2020,2021 2022,2023
4	B.A. ECONOMICS	ECONOMICS		2017,2020,2021 2022,2023
5	B.A. POLITICAL SCIENCE	POLITICAL SCIENCE		2017,2020,2021 2022,2023
6	B. Com. COMMERCE	COMMERCE		2017,2020,2021 2022,2023
7	B.Sc. MATHEMATICS	MATHEMATICS		2017,2020,2021 2022,2023
8	B.Sc. PHYSICS	PHYSICS		2017,2020,2021 2022,2023
9	B.Sc. ZOOLOGY	ZOOLOGY		2017,2020,2021 2022,2023
10	B.Sc. COMPUTER SCIENCE	COMPUTER SCIENCE		2017,2020,2021 2022,2023
11	B.Sc. CHEMISTRY	CHEMISTRY		2017,2020,2021 2022,2023
12	B.Sc. INDUSTRIAL CHEMISTRY	INDUSTRIAL CHEMISTRY		2017,2020,2021 2022,2023
13	B.B.A. BUSSINESS ADMINISTRATION	BUSSINESS ADMINISTRATION		2017,2020,2021 2022,2023
14	BCA	COMPUTER SCIENCE		2017,2020,2021 2022,2023
15	B.Sc VISUAL COMMUNICATION	VISUAL COMMUNICATION		2017,2020,2021 2022,2023
16	B.Sc.MICROBIOLOGY	MICROBIOLOGY		2017,2020,2021 2022,2023
17	B.Sc. STATISTICS	STATISTICS		2017,2020,2021 2022,2023
18	B.Sc. BOTANY	BOTANY		2017,2020,2021 2022,2023
19	M.A. TAMIL	TAMIL		2017,2020,2021 2022,2023
20	M.A. ENGLISH	ENGLISH		2017,2020,2021 2022,2023

21	M.A. HISTORY	HISTORY		2017,2020,2021 2022,2023
22	M.A. ECONOMICS	ECONOMICS		2017,2020,2021 2022,2023
23	M.A. POLITICAL SCIENCE	POLITICAL SCIENCE		2017,2020,2021 2022,2023
24	M.A. PUBLIC ADMINISTRATION	PUBLIC ADMINISTRATION		2017,2020,2021 2022,2023
25	M.COM	COMMERCE		2017,2020,2021 2022,2023
26	M.Sc. STATISTICS	STATISTICS		2017,2020,2021 2022,2023
27	M.Sc. BOTANY	BOTANY		2017,2020,2021 2022,2023
28	M.Sc. ZOOLOGY	ZOOLOGY		2017,2020,2021 2022,2023
29	M.Sc. CHEMISTRY	CHEMISTRY		2017,2020,2021 2022,2023
30	M.Sc. COMPUTER SCIENCE	COMPUTER SCIENCE		2017,2020,2021 2022,2023
31	M.Sc. MATHEMATICS	MATHEMATICS		2017,2020,2021 2022,2023
32	MSW	SOCIAL WORK		2017,2020,2021 2022,2023

**ASSOCIATION MEETING  
PARTICULARS**

PERIYAR ARTS COLLEGE CUDDALORE-607001

ASSOCIATION MEETING PARTICULARS

**Neithal Manram programs-sample**

YEAR- 2022 - 2023

S.NO	DATE	DEPARTME NT	NAME OF THE WORKSHOP/SEMINAR	NUMBER OF PARTICIPANTS
1.	25.11.2022	TAMIL	Inauguration of Neithal Manram	400
2.	06.12.2022	TAMIL	Special Lecture	300
3.	06.12.2022	TAMIL	Cultural programs	1000
4.	03.02.2023	TAMIL	Pets Meet	17
5.	10.02.2023	TAMIL	One minute Lecture	60
6.	21.02.2023	TAMIL	World Mother tongue Rally	400
7.	21.02.2023	TAMIL	Seminar on world Mother Tongue day	50
8.	24.03.2023	TAMIL	Tamil Workshop	50
9.	27.03.2023	TAMIL	Womens day music	18
10.	06.04.2023	TAMIL	Quiz	15
11	19.04.2023	TAMIL	Valediction-Special Lecture	400