



**MEENAKSHI CHANDRASEKARAN  
COLLEGE OF ARTS AND SCIENCE**  
( Affiliated to Bharathidasan University, Tiruchirappalli )  
( UGC Recognized 2(f) & 12(B) Institution )

Attainment of program outcomes and course outcomes

**Course Outcome-Programme Outcome Mapping**

**Department of Physics -2017-2018**

**PROGRAM OUTCOME**

PO1	To understand the fundamentals of laws, principles and concepts.
PO2	To understand the structure, characteristics of various physical phenomena and their properties.
PO3	An ability to design analysis of circuit and interrupt data, testing of different electronics components and circuits.
PO4	To understand the implementation, Analysis fundamental process to recognizing experimental applying relevant laws to this problems.
PO5	The course built a foundation of various applied field and technology to enhance the student accordance ability & personal quality

**STAFF NAME : Mr.D.SANTHAKUMAR M.Sc., M.Phil., M.Ed.,**

**RCCSPH6 - Atomic and Nuclear physics**

**COURSE OUTCOME**

CO1	Study properties of rays, production, charge calculation by experimental.
CO2	Fundamental of atom, structure, principles and effect of experiments.
CO3	Production and detection of x-rays, Laws of x-rays and characteristics of x-rays.
CO4	Nuclear reactions, conservation laws, Q-value calculations, Nuclear reactor.
CO5	Elementary particles, conservation laws, Quark model.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	1	2	0	1	1
CO2	3	3	0	2	1
CO3	2	1	1	1	2
CO4	2	3	2	3	3
CO5	3	3	0	2	2
Average	2.2	2.4	0.6	1.8	1.8

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal(15)	Seminar(5)	Assignmen (5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
<b>Total</b>	<b>15</b>	<b>5</b>	<b>5</b>

s.no	Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
1	CB15S 428901	ABOORVA.R	5	4	3	3	3	18	72
2	CB15S 428902	ADHITHYA.S	4	5	4	5	5	23	92
3	CB15S 428903	AKALYA.T	4	4	4	5	5	22	88
4	CB15S 428904	AKILA.G	4	4	4	4	4	20	80
5	CB15S 428905	BHARANI.R.N	4	4	5	4	4	21	84
6	CB15S 428906	DEEPIKA.R	4	5	4	4	4	21	84
7	CB15S 428907	DHANALAKSHMIS	4	4	4	4	4	20	80
8	CB15S 428908	DHINAPRIYA.J	3	3	3	3	3	15	60
9	CB15S 428909	DHURGA.M	3	4	4	3	3	17	68
10	CB15S 428910	DIVYA.M	3	3	3	3	3	15	60
11	CB15S 428911	DIVYA.V	3	3	3	3	3	15	60
12	CB15S 428912	GOWSALYA.M	3	3	3	3	4	16	64
13	CB15S 428913	HELEN GRACIYA.V	4	3	4	3	3	17	68
14	CB15S 428914	JAYADEVI.R.K	4	4	3	4	3	18	72
15	CB15S 428915	JEMIMA.G	4	4	4	4	4	20	80
16	CB15S 428916	JOTHIKA.K	4	4	3	4	4	19	76
18	CB15S 428917	KEERTHANA.A	4	4	4	3	4	19	76
19	CB15S 428918	MAHALAKSHMLR	3	4	3	4	3	17	68
20	CB15S 428919	MAHESHWARLJ	3	3	3	3	3	15	60
21	CB15S 428920	MAHESHWARIM	5	4	3	3	3	18	72
22	CB15S 428921	MANIMEGALAIN	4	5	4	5	5	23	92
23	CB15S 428922	MUTHU LAKSHMLB	4	4	4	5	5	22	88
24	CB15S 428923	NANTHINI.P	4	4	4	4	4	20	80
25	CB15S 428924	NAVEENA.M	4	4	5	4	4	21	84
26	CB15S 428925	NITHIYA.P	4	5	4	4	4	21	84
27	CB15S 428926	PIRITHI.P	4	4	4	4	4	20	80
28	CB15S 428927	PONMANI.N	3	3	3	4	3	16	64
29	CB15S 428928	PONMOZHI.T	3	4	3	3	3	16	64
30	CB15S 428929	PRAMITHA.S	3	4	3	3	3	16	64
31	CB15S 428930	PREMALATHA.T	3	3	3	3	3	15	60
32	CB15S 428931	PRIYA.N.G	3	3	3	3	4	16	64
33	CB15S 428932	PRIYADHARSHINI.D	4	3	4	3	3	17	68
34	CB15S 428933	PRIYADHARSINIS	4	4	3	4	3	18	72
35	CB15S 428934	PRIYANGA.M	4	4	4	4	4	20	80
36	CB15S 428935	PRIYANKA.P	4	4	3	4	4	19	76
37	CB15S 428936	RAJESHWARIS	4	4	4	3	4	19	76
38	CB15S 428937	RAMYA.K	3	4	3	4	3	17	68
39	CB15S 428938	RAMYA.R	3	3	3	3	3	15	60

40	CB15S 428939	RANJITHA.P	4	5	4	5	5	23	92
41	CB15S 428940	RENUGA.K	4	4	4	5	5	22	88
42	CB15S 428942	SANGAMITHRA.V	4	4	4	4	4	20	80
43	CB15S 428943	SANGAVI.T	4	4	5	4	4	21	84
44	CB15S 428945	SARANYA.S	4	5	4	4	4	21	84
45	CB15S 428946	SHALINI.P	4	4	4	4	4	20	80
46	CB15S 428947	SIVARANJANI.M	4	3	3	3	3	16	64
47	CB15S 428948	SUBATHRA.S	3	3	4	3	3	16	64
48	CB15S 428949	SUSMITHA.B	3	3	3	3	3	15	60
49	CB15S 428950	THAMIZHINI.M	3	3	3	3	3	15	60
50	CB15S 428952	THENMOZHIL.R	3	3	3	3	4	16	64
51	CB15S 428953	UDHAYANILA.S	4	3	4	3	3	17	68
52	CB15S 428954	VARSHINI.V	4	4	3	4	3	18	72
53	CB15S 428955	VINODHA.K	4	4	4	4	4	20	80
54	CB15S 428956	VINOTHINI.P	4	4	3	4	4	19	76
55	CB15S 428957	VISHNUPRIYA.C	4	4	4	3	4	19	76
56	CB15S 428958	YAMUNA.R	3	4	3	4	3	17	68
57	CB15S 428959	YOGAPRIYA.R	3	3	3	3	3	15	60
Average			3.62	3.74	3.56	3.62	3.59		

#### Expected Attainment in each CO - 85%

CO	Internal Exam	External Exam	Total	%
CO1	3.62	75	78.62	92.49
CO2	3.74	75	78.74	92.64
CO3	3.56	75	78.56	92.42
CO4	3.62	75	78.62	92.49
CO5	3.59	75	78.59	92.46

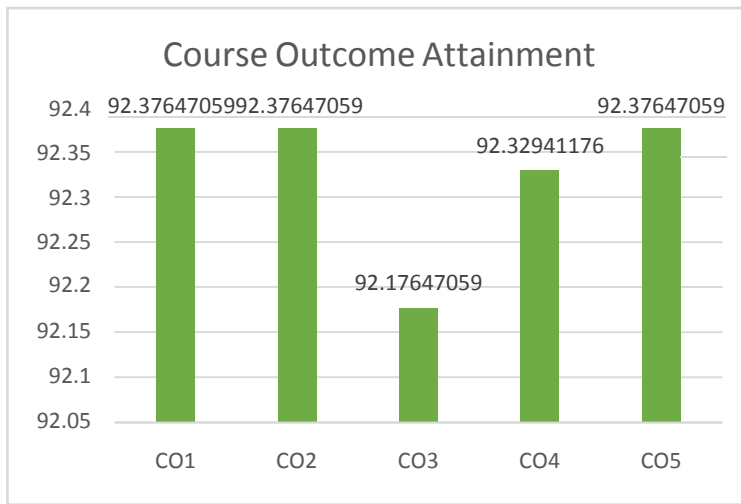
#### Course Attainment for B.Sc Physics

Subject Name: Atomic and Nuclear Physics

Subject Code: RCCSPH6

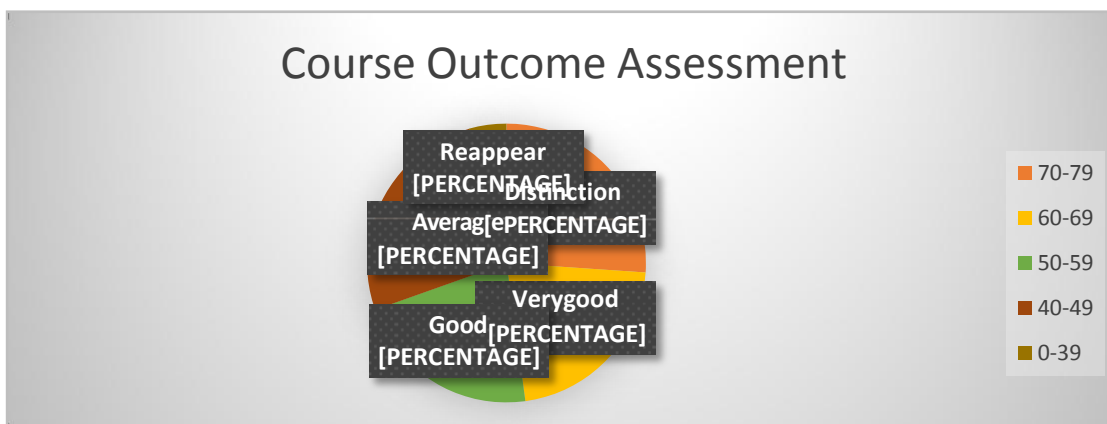
Number of Students: 56

Course Outcome	Percentage of Attainment
CO1	92.49
CO2	92.64
CO3	92.42
CO4	92.49
CO5	92.46



Course Outcome Assessment		
Category (Mark)	Number of Students	Status
90-100	0	Outstanding
80-89	0	Excellent
70-79	6	Distinction
60-69	5	Very Good
50-59	5	Good
40-49	6	Average
0-39	1	Reappear

Course Outcome Assessment Percentage		
Category (Mark)	Percentage	Status
70-79	26.09	Distinction
60-69	21.74	Very Good
50-59	21.74	Good
40-49	26.09	Average
0-39	4.35	Reappear



## PROGRAM OUTCOME

PO1	To understand the fundamentals of laws, principles and concepts.
PO2	To understand the structure, characteristics of various physical phenomena and their properties.
PO3	An ability to design analysis of circuit and interrupt data, testing of different electronics compon
PO4	To understand the implementation, Analysis fundamental process to recognizing experimental ap
PO5	The course built a foundation of various applied field and technology to enhance the student acco

## RCCSPH8- ELEMENTS OF THEORITICAL PHYSICS

### COURSE OUTCOME

CO1	Study fundamental laws, Conservation theorem and Symmetry properties.
CO2	To understand the characteristics of generalized momentum and Cyclic co-ordinate.
CO3	To understand experimental study of matter waves and Debroglie relation.
CO4	To understand the development of Schrodinger wave equation and properties of wave fun
CO5	To study the foundation of Quantum system.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	3	3	0	3	3
CO2	3	3	0	2	1
CO3	2	1	1	1	2
CO4	2	2	2	3	3
CO5	3	3	3	2	2
Average	2.6	2.4	1.2	2.2	2.2

### Internal Examination Mark Distribution for each Course outcome

CO	Internal(15)	Seminar(5)	Assignment(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
<b>Total</b>	<b>15</b>	<b>5</b>	<b>5</b>

Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
CB15S 428901	ABOORVA.R	5	4	3	3	3	18	72
CB15S 428902	ADHITHYA.S	4	5	4	5	5	23	92
CB15S 428903	AKALYA.T	4	4	4	5	5	22	88
CB15S 428904	AKILA.G	4	4	4	4	4	20	80
CB15S 428905	BHARANI.R.N	4	4	5	4	4	21	84

	CB15S 428906	DEEPIKA.R	4	5	4	4	4	21	84
	CB15S 428907	DHANALAKSHMIS	4	4	4	4	4	20	80
	CB15S 428908	DHINAPRIYA.J	3	3	3	3	3	15	60
	CB15S 428909	DHURGA.M	3	4	4	3	3	17	68
	CB15S 428910	DIVYA.M	3	3	3	3	3	15	60
	CB15S 428911	DIVYA.V	3	3	3	3	3	15	60
	CB15S 428912	GOWSALYA.M	3	3	3	3	4	16	64
	CB15S 428913	HELEN GRACIYA.V	4	3	4	3	3	17	68
	CB15S 428914	JAYADEVI.R.K	4	4	3	4	3	18	72
	CB15S 428915	JEMIMA.G	4	4	4	4	4	20	80
	CB15S 428916	JOTHIKA.K	4	4	3	4	4	19	76
	CB15S 428917	KEERTHANA.A	4	4	4	3	4	19	76
	CB15S 428918	MAHALAKSHMI.R	3	4	3	4	3	17	68
	CB15S 428919	MAHESHWARI.J	3	3	3	3	3	15	60
	CB15S 428920	MAHESHWARI.M	5	4	3	3	3	18	72
2	CB15S 428921	MANIMEGALAIN	4	5	4	5	5	23	92
21	CB15S 428922	MUTHU LAKSHMI.B	4	4	4	5	5	22	88
	CB15S 428923	NANTHINI.P	4	4	4	4	4	20	80
	CB15S 428924	NAVEENA.M	4	4	5	4	4	21	84
	CB15S 428925	NITHIYA.P	4	5	4	4	4	21	84
	CB15S 428926	PIRITHI.P	4	4	4	4	4	20	80
	CB15S 428927	PONMANI.N	3	3	3	4	3	16	64
	CB15S 428928	PONMOZHIT	3	4	3	3	3	16	64
	CB15S 428929	PRAMITHA.S	3	4	3	3	3	16	64
	CB15S 428930	PREMALATHA.T	3	3	3	3	3	15	60
	CB15S 428931	PRIYA.N.G	3	3	3	3	4	16	64
	CB15S 428932	PRIYADHARSHINI.D	4	3	4	3	3	17	68
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	CB15S 428935	PRIYANKA.P	4	4	3	4	4	19	76
	CB15S 428936	RAJESHWARI.S	4	4	4	3	4	19	76
	CB15S 428937	RAMYA.K	3	4	3	4	3	17	68
	CB15S 428938	RAMYA.R	3	3	3	3	3	15	60
	CB15S 428939	RANJITHA.P	4	5	4	5	5	23	92
	CB15S 428940	RENUGA.K	4	4	4	5	5	22	88
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	CB15S 428943	SANGAVI.T	4	4	5	4	4	21	84
	CB15S 428945	SARANYA.S	4	5	4	4	4	21	84

CB15S 428946	SHALINI.P	4	4	4	4	4	20	80
CB15S 428947	SIVARANJANI.M	4	3	3	3	3	16	64
CB15S 428948	SUBATHRA.S	3	3	4	3	3	16	64
CB15S 428949	SUSMITHA.B	3	3	3	3	3	15	60
CB15S 428950	THAMIZHINI.M	3	3	3	3	3	15	60
CB15S 428952	THENMOZHIL.R	3	3	3	3	4	16	64
CB15S 428953	UDHAYANILA.S	4	3	4	3	3	17	68
CB15S 428954	VARSHINI.V	4	4	3	4	3	18	72
CB15S 428955	VINODHA.K	4	4	4	4	4	20	80
CB15S 428956	VINOTHINI.P	4	4	3	4	4	19	76
CB15S 428957	VISHNUPRIYA.C	4	4	4	3	4	19	76
CB15S 428958	YAMUNA.R	3	4	3	4	3	17	68
CB15S 428959	YOGAPRIYA.R	3	3	3	3	3	15	60
Average	0	3.61764706	3.735294	3.55882	3.617647	3.588	0	0

Expected Attainment in each CO - 85%

CO	Internal	External	Total	%
CO1	3.61	75	79.1	93.06
CO2	3.73	75	78.73	92.62
CO3	3.55	75	78.55	92.41
CO4	3.61	75	78.61	92.48
CO5	3.58	75	78.58	92.45

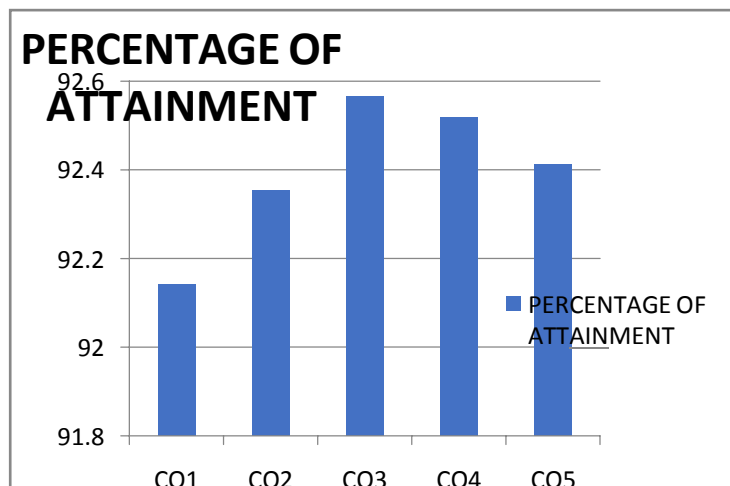
COURSE ATTAINMENT FOR B.Sc Physics

SUBJECT NAME:ELECTRONICS

SUBJECT CODE :16SCCPH7

NO.OF STUDENTS :56

COURSE OUTCOME	PERCENTAGE OF ATTAINMENT
CO1	93.06
CO2	92.62
CO3	92.41
CO4	92.48
CO5	92.45

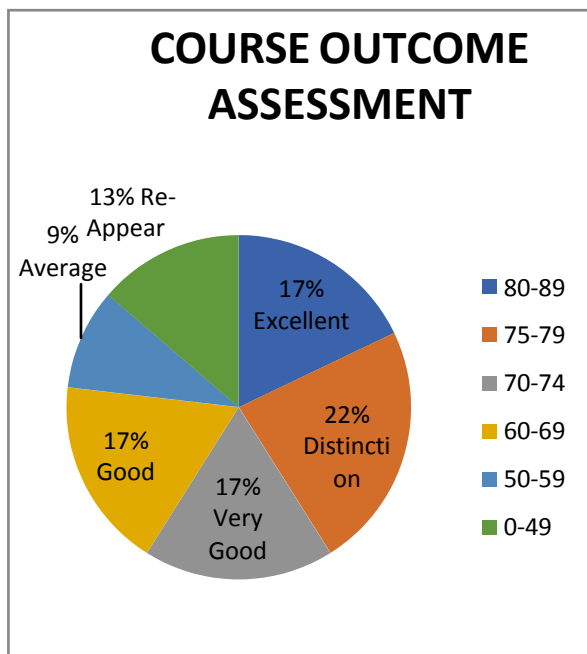


COURSE OUTCOME ASSESSMENT		
CATEGORY	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	3	EXCELLENT
75-79	3	DISTINCTION

70-74	0	VERY GOOD
60-69	1	GOOD
50-59	2	AVERAGE <sup>R</sup>
0-49	2	RE-APPEA <sup>A</sup>

### COURSE OUTCOME ASSESSMENT

CATEGORY	PERCENTAGE	STATUS
80-89	27.27	XCELLENT
75-79	27.27	ISTINCTICN
60-69	9.09	GOOD
50-59	18.18	AVERAGE
0-49	18.18	E-APPEAR



### PROGRAM OUTCOME

PO1	To understand the fundamentals of laws, principles and concepts.
PO2	To understand the structure, characteristics of various physical phenomena and their properties.
PO3	An ability to design analysis of circuit and interrupt data, testing of different electronics components and circuits.
PO4	To understand the implementation, Analysis fundamental process to recognizing experimental applying relevant laws to this problems.
PO5	The course built a foundation of various applied field and technology to enhance the student accordance ability & personal quality transferrable skill.



COURSE OUTCOME

CO1	To understand the fundamentals laws of impact,particle projected in any direction&concept of Direct&oblique impact.
CO2	To understand the expression for normal acceleration&variation of g with altitude,latitude and depth.
CO3	To understand the determine the Newton's law of gravitation and analysis of gravitational potential and field.
CO4	To understand laws of friction,fundamental process of moment of inertia recognizing Kater's pendulum.
CO5	The course foundation of centre of gravity in accordance with atmospheric pressure.

PO→

CO↓	PO1	PO2	PO3	PO4	P05
CO1					
CO2	3	2	0	1	0
CO3	3	3	0	2	0
CO4	2	2	2	3	2
CO5	0	2	3	3	3
Average	2	3	3	0	2
	2	2.4	1.6	1.8	1.4

Distribution for each Course outcome

CO	Internal	Seminar	Assignment					
CO1	3	1	1					
CO2	3	1	1					
CO3	3	1	1					
CO4	3	1	1					
CO5	3	1	1					
Total	15	5	5					
Register No								
CBI5S 428901	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE

CB15S 428902	ABOORVA.R	5	4	3	3	3	18	72
CB15S 428903	ADHITHYA.S	4	5	4	5	5	23	92
CB15S 428904	AKALYA.T	4	4	4	5	5	22	88
CB15S 428905	AKILA.G	4	4	4	4	4	20	80
CB15S 428906	BHARANI.R.N	4	4	5	4	4	21	84
CB15S 428907	DEEPIKA.R	4	5	4	4	4	21	84
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CB15S 428912	DIVYA.V	3	3	3	3	3	15	60
CB15S 428913	GOWSALYA.M	3	3	3	3	4	16	64
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CB15S 428916	JEMIMA.G	4	4	4	4	4	20	80
CB15S 428917	JOTHIKA.K	4	4	3	4	4	19	76
CB15S 428918	KEERTHANA.A	4	4	4	3	4	19	76
CB15S 428919	MAHALAKSHMIR	3	4	3	4	3	17	68
CB15S 428920	MAHESHWARI.J	3	3	3	3	3	15	60
CB15S 428921	MAHESHWARI.M	5	4	3	3	3	18	72
CB15S 428922	MANIMEGALAIN	4	5	4	5	5	23	92
CB15S 428923	MUTHU LAKSHMLB	4	4	4	5	5	22	88
CB15S 428924	NANTHINI.P	4	4	4	4	4	20	80
CB15S 428925	NAVEENA.M	4	4	5	4	4	21	84
CB15S 428926	NITHIYA.P	4	5	4	4	4	21	84
CB15S 428927	PIRITHI.P	4	4	4	4	4	20	80
CB15S 428928	PONMANLN	3	3	3	4	3	16	64
CB15S 428929	PONMOZHI.T	3	4	3	3	3	16	64
CB15S 428930	PRAMITHA.S	3	4	3	3	3	16	64
CB15S 428931	PREMALATHA.T	3	3	3	3	3	15	60
CB15S 428932	PRIYA.N.G	3	3	3	3	4	16	64
CB15S 428933	PRIYADHARSHINLD	4	3	4	3	3	17	68
CB15S 428934	PRIYADHARSINLS	4	4	3	4	3	18	72
CB15S 428935	PRIYANGA.M	4	4	4	4	4	20	80
CB15S 428936	PRIYANKA.P	4	4	3	4	4	19	76
CB15S 428937	RAJESHWARI.S	4	4	4	3	4	19	76

CB15S 428938	RAMYA.K	3	4	3	4	3	17	68	
CB15S 428939	RAMYA.R	3	3	3	3	3	15	60	
CB15S 428940	RANJITHA.P	4	5	4	5	5	23	92	
CB15S 428942	RENUGA.K	4	4	4	5	5	22	88	
CB15S 428943	SANGAMITHRA.V	4	4	4	4	4	20	80	
CB15S 428945	SANGAVIT	4	4	5	4	4	21	84	
CB15S 428946	SARANYA.S	4	5	4	4	4	21	84	
CB15S 428947	SHALINI.P	4	4	4	4	4	20	80	
CB15S 428948	SIVARANJANI.M	4	3	3	3	3	16	64	
CB15S 428949	SUBATHRA.S	3	3	4	3	3	16	64	
CB15S 428950	SUSMITHA.B	3	3	3	3	3	15	60	
CB15S 428952	THAMIZHINI.M	3	3	3	3	3	15	60	
CB15S 428953	THENMOZHILR	3	3	3	3	4	16	64	
CB15S 428954	UDHAYANILA.S	4	3	4	3	3	17	68	
CB15S 428955	VARSHINI.V	4	4	3	4	3	18	72	
CB15S 428956	VINODHA.K	4	4	4	4	4	20	80	
CB15S 428957	VINOTHINI.P	4	4	3	4	4	19	76	
CB15S 428958	VISHNUPRIYA.C	4	4	4	3	4	19	76	
Average	YAMUNA.R	3	4	3	4	3	17	68	
		0	3.617647	3.73529	3.5588	3.61765	3.59	0	0

CO1	Internal	External	Total	%
CO2	3.61	75.00	78.48	92.33
CO3	3.73	75.00	78.45	92.29
CO4	3.55	75.00	78.64	92.52
CO5	3.61	75.00	78.85	92.76
	3.58	75.00	78.73	92.62

### COURSE ATTAINMENT FOR B.Sc PHYSICS

SUBJECT NAME:ELECTRONICS

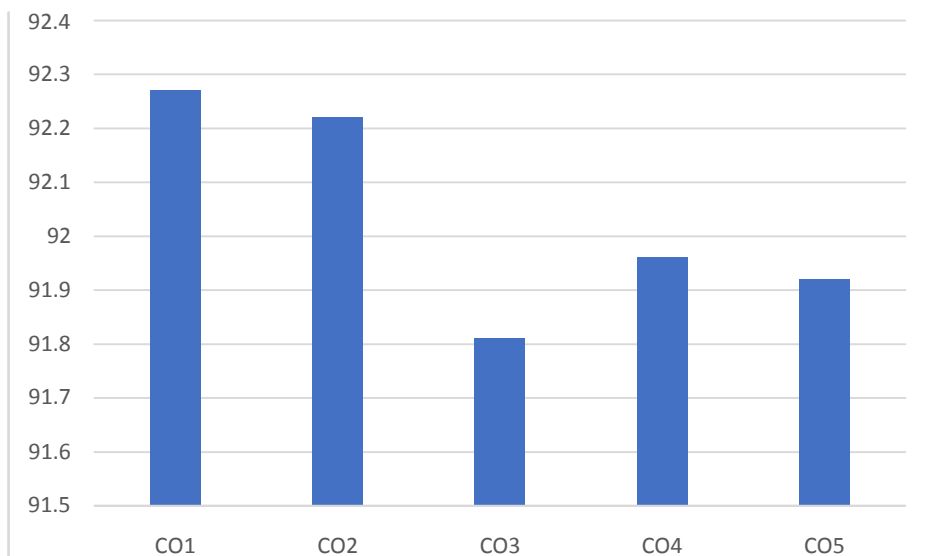
SUBJECT CODE:16SCCPH7

NO OF STUDENTS:2TS: 56

#### Course Outcome

CO1	Percentage of Attainment
CO2	92.33
CO3	92.29
CO4	92.52
CO5	92.76
	92.62

PERCENTAGE ATTAINMENT



Course Outcome Assessment		
Category (Mark)	Number of Students	Status
90-100	0	Outstaning
80-89	2	Excellent
75-79	5	Distinction
70-74	5	Very Good
60-69	6	Good
50-59	5	Average
0-49	10	Reappear

Course Outcome Assessment		
CATEGORY	PERCENTAGE	STATUS
80-89	7.69	Excellent
75-79	19.23	Distinction
60-69	23.08	Good
50-59	19.23	Average
0-49	38.46	Reappear

#### COURSE OUTCOME

CO1	Study different types of Spherical aberration and Chromatic aberration in a lens
CO2	Fundamental of Stationary waves and its applications of interference
CO3	To study differentiate Fresnel's diffraction and Fraunhofer diffraction.
CO4	To understand fundamental process of double image polarizing prism and experimental of Laurent's half shade polarimeter
CO5	To understand various types of Eyepieces and accordance with microscope and Telescope.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	1	2	0	1	1
CO2	2	2	0	2	1

CO3	2	2	1	1	2
CO4	2	3	2	3	2
CO5	3	3	0	2	2
Average	2	2.4	0.6	1.8	1.6

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal(1	Seminar	Assignment(5)
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
<b>Total</b>	<b>15</b>	<b>5</b>	<b>5</b>

Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
CB15S 428901	ABOORVA.R	5	4	3	3	3	18	72
CB15S 428902	ADHITHYA.S	4	5	4	5	5	23	92
CB15S 428903	AKALYA.T	4	4	4	5	5	22	88
CB15S 428904	AKILA.G	4	4	4	4	4	20	80
CB15S 428905	BHARANLR.N	4	4	5	4	4	21	84
CB15S 428906	DEEPIKA.R	4	5	4	4	4	21	84
CB15S 428907	DHANALAKSHMIL.S	4	4	4	4	4	20	80
CB15S 428908	DHINAPRIYA.J	3	3	3	3	3	15	60
CB15S 428909	DHURGA.M	3	4	4	3	3	17	68
CB15S 428910	DIVYA.M	3	3	3	3	3	15	60
CB15S 428911	DIVYA.V	3	3	3	3	3	15	60
CB15S 428912	GOWSALYA.M	3	3	3	3	4	16	64
CB15S 428913	HELEN GRACIYA.V	4	3	4	3	3	17	68
CB15S 428914	JAYADEVLR.K	4	4	3	4	3	18	72
CB15S 428915	JEMIMA.G	4	4	4	4	4	20	80
CB15S 428916	JOTHIKA.K	4	4	3	4	4	19	76
CB15S 428917	KEERTHANA.A	4	4	4	3	4	19	76
CB15S 428918	MAHALAKSHMILR	3	4	3	4	3	17	68
CB15S 428919	MAHESHWARLJ	3	3	3	3	3	15	60
CB15S 428920	MAHESHWARIM	5	4	3	3	3	18	72
CB15S 428921	MANIMEGALAIN	4	5	4	5	5	23	92
CB15S 428922	MUTHU LAKSHMLB	4	4	4	5	5	22	88
CB15S 428923	NANTHINLP	4	4	4	4	4	20	80
CB15S 428924	NAVEENA.M	4	4	5	4	4	21	84
CB15S 428925	NITHIYA.P	4	5	4	4	4	21	84
CB15S 428926	PIRITHLP	4	4	4	4	4	20	80

CB15S 428927	PONMANI.N	3	3	3	4	3	16	64
CB15S 428928	PONMOZHI.T	3	4	3	3	3	16	64
CB15S 428929	PRAMITHA.S	3	4	3	3	3	16	64
CB15S 428930	PREMALATHA.T	3	3	3	3	3	15	60
CB15S 428931	PRIYA.N.G	3	3	3	3	4	16	64
CB15S 428932	PRIYADHARSHIN.I.D	4	3	4	3	3	17	68
CB15S 428933	PRIYADHARSINI.S	4	4	3	4	3	18	72
CB15S 428934	PRIYANGA.M	4	4	4	4	4	20	80
CB15S 428935	PRIYANKA.P	4	4	3	4	4	19	76
CB15S 428936	RAJESHWARI.S	4	4	4	3	4	19	76
CB15S 428937	RAMYA.K	3	4	3	4	3	17	68
CB15S 428938	RAMYA.R	3	3	3	3	3	15	60
CB15S 428939	RANJITHA.P	4	5	4	5	5	23	92
CB15S 428940	RENUGA.K	4	4	4	5	5	22	88
CB15S 428942	SANGAMITHRA.V	4	4	4	4	4	20	80
CB15S 428943	SANGAVI.T	4	4	5	4	4	21	84
CB15S 428945	SARANYA.S	4	5	4	4	4	21	84
CB15S 428946	SHALINI.P	4	4	4	4	4	20	80
CB15S 428947	SIVARANJANI.M	4	3	3	3	3	16	64
CB15S 428948	SUBATHRA.S	3	3	4	3	3	16	64
CB15S 428949	SUSMITHA.B	3	3	3	3	3	15	60
CB15S 428950	THAMIZHINI.M	3	3	3	3	3	15	60
CB15S 428952	THENMOZHI.R	3	3	3	3	4	16	64
CB15S 428953	UDHAYANILA.S	4	3	4	3	3	17	68
CB15S 428954	VARSHINI.V	4	4	3	4	3	18	72
CB15S 428955	VINODHA.K	4	4	4	4	4	20	80
CB15S 428956	VINOTHINI.P	4	4	3	4	4	19	76
CB15S 428957	VISHNUPRIYA.C	4	4	4	3	4	19	76
CB15S 428958	YAMUNA.R	3	4	3	4	3	17	68

Average 0 3.61765 3.7353 3.55882 3.62 3.59

**Expected Attainment in each CO - 85%**

CO	Internal	External	Total	%
CO1	3.42	75	78.42	92.26
CO2	3.46	75	78.46	92.31
CO3	3.33	75	78.33	92.15
CO4	3.38	75	78.38	92.21
CO5	3.33	75	78.33	92.15

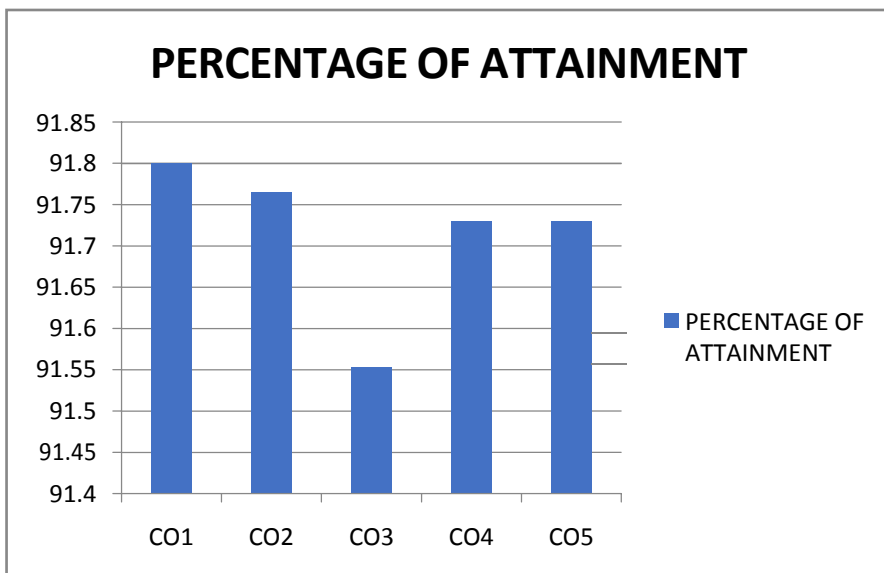
COURSE ATTAINMENT FOR B.Sc Physics

SUBJECT NAOptics

SUBJECT CO 16SCCPH5

NO.OF STUD 56

COURSE	PERCENTAGE OF
CO1	92.26
CO2	92.31
CO3	92.15
CO4	92.21
CO5	92.15



COURSE ATTAINMENT FOR B.Sc Physics

SUBJECT NAOptics

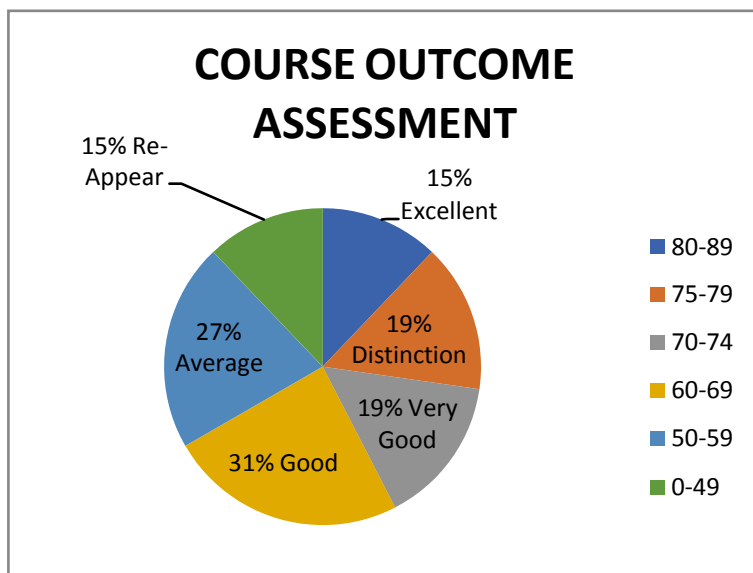
SUBJECT CO 16SCCPH5

NO.OF STUD 56

COURSE OUTCOME ASSESSMENT		
CATEGORY (MA)	NO.OF STUDENTS	STATUS
90-100	0	OUTSTANDING
80-89	4	EXCELLENT
75-79	5	DISTINCTION
70-74	5	VERY GOOD
60-69	8	GOOD
50-59	7	AVERAGE
0-49	4	RE-APPEAR

CATEGORY	PERCENTAGE	STATUS
80-89	15.38	EXCELLENT
75-79	19.23	DISTINCTION
70-74	19.23	VERY GOOD
60-69	30.77	GOOD
50-59	26.92	AVERAGE

0-49	15.38	RE-APPEAR
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**PROGRAM OUTCOME**

<b>PO1</b>	To understand the fundamentals of laws, principles and concepts.
<b>PO2</b>	To understand the structure, characteristics of various physical phenomena and their proper
<b>PO3</b>	An ability to design analysis of circuit and interrupt data, testing of different electronics
<b>PO4</b>	To understand the implementation, Analysis fundamental process to recognizing
<b>PO5</b>	The course built a foundation of various applied field and technology to enhance the

**16SCCPH6 - Atomic and Molecular physics**

**COURSE OUTCOME**

<b>CO1</b>	Study properties of rays, production, charge calculation by experimental.
<b>CO2</b>	Fundamental of atom, structure, principles and effect of experiments.
<b>CO3</b>	Production and detection of x-rays, Laws of x-rays and characteristics of x-rays.
<b>CO4</b>	Properties of metals, photo electric effect, experimental arrangement and verification, app
<b>CO5</b>	LASER properties, concepts, experimental and applications.

PO→	PO1	PO2	PO3	PO4	PO5
CO↓					
CO1	1	2	0	1	1
CO2	3	3	0	2	1
CO3	2	1	1	1	2
CO4	2	3	2	3	3
CO5	3	3	0	2	2
Average	2.2	2.4	0.6	1.8	1.8

**Internal Examination Mark Distribution for each Course outcome**

CO	Internal	Seminar	Assignment
CO1	3	1	1
CO2	3	1	1



CO3	3	1	1
CO4	3	1	1
CO5	3	1	1
<b>Total</b>	<b>15</b>	<b>5</b>	<b>5</b>

Register No	Name	CO1	CO2	CO3	CO4	CO5	Total	PERCENTAGE
CB15S 428901	ABOORVA.R	5	4	3	3	3	18	72
CB15S 428902	ADHITHYA.S	4	5	4	5	5	23	92
CB15S 428903	AKALYA.T	4	4	4	5	5	22	88
CB15S 428904	AKILA.G	4	4	4	4	4	20	80
CB15S 428905	BHARANI.R.N	4	4	5	4	4	21	84
CB15S 428906	DEEPIKA.R	4	5	4	4	4	21	84
CB15S 428907	DHANALAKSHMI.S	4	4	4	4	4	20	80
CB15S 428908	DHINAPRIYA.J	3	3	3	3	3	15	60
CB15S 428909	DHURGA.M	3	4	4	3	3	17	68
CB15S 428910	DIVYA.M	3	3	3	3	3	15	60
CB15S 428911	DIVYA.V	3	3	3	3	3	15	60
CB15S 428912	GOWSALYA.M	3	3	3	3	4	16	64
CB15S 428913	HELEN GRACIYA.V	4	3	4	3	3	17	68
CB15S 428914	JAYADEVI.R.K	4	4	3	4	3	18	72
CB15S 428915	JEMIMA.G	4	4	4	4	4	20	80
CB15S 428916	JOTHIKA.K	4	4	3	4	4	19	76
CB15S 428917	KEERTHANA.A	4	4	4	3	4	19	76
CB15S 428918	MAHALAKSHMI.R	3	4	3	4	3	17	68
CB15S 428919	MAHESHWARI.J	3	3	3	3	3	15	60
CB15S 428920	MAHESHWARI.M	5	4	3	3	3	18	72
CB15S 428921	MANIMEGALAI.N	4	5	4	5	5	23	92
CB15S 428922	MUTHU LAKSHMI.B	4	4	4	5	5	22	88
CB15S 428923	NANTHINI.P	4	4	4	4	4	20	80
CB15S 428924	NAVEENA.M	4	4	5	4	4	21	84
CB15S 428925	NITHIYA.P	4	5	4	4	4	21	84
CB15S 428926	PIRITHI.P	4	4	4	4	4	20	80
CB15S 428927	PONMANI.N	3	3	3	4	3	16	64
CB15S 428928	PONMOZHI.T	3	4	3	3	3	16	64
CB15S 428929	PRAMITHA.S	3	4	3	3	3	16	64
CB15S 428930	PREMALATHA.T	3	3	3	3	3	15	60
CB15S 428931	PRIYA.N.G	3	3	3	3	4	16	64
CB15S 428932	PRIYADHARSHINI.D	4	3	4	3	3	17	68
CB15S 428933	PRIYADHARSINI.S	4	4	3	4	3	18	72
CB15S 428934	PRIYANGA.M	4	4	4	4	4	20	80
CB15S 428935	PRIYANKA.P	4	4	3	4	4	19	76
CB15S 428936	RAJESHWARI.S	4	4	4	3	4	19	76

CB15S 428937	RAMYA.K	3	4	3	4	3	17	68
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CB15S 428939	RANJITHA.P	4	5	4	5	5	23	92
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CB15S 428942	SANGAMITHRA.V	4	4	4	4	4	20	80
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CB15S 428945	SARANYA.S	4	5	4	4	4	21	84
CB15S 428946	SHALINI.P	4	4	4	4	4	20	80
CB15S 428947	SIVARANJANI.M	4	3	3	3	3	16	64
CB15S 428948	SUBATHRA.S	3	3	4	3	3	16	64
CB15S 428949	SUSMITHA.B	3	3	3	3	3	15	60
CB15S 428950	THAMIZHINI.M	3	3	3	3	3	15	60
CB15S 428952	THENMOZHI.R	3	3	3	3	4	16	64
CB15S 428953	UDHAYANILA.S	4	3	4	3	3	17	68
CB15S 428954	VARSHINI.V	4	4	3	4	3	18	72
CB15S 428955	VINODHA.K	4	4	4	4	4	20	80
CB15S 428956	VINOTHINI.P	4	4	3	4	4	19	76
CB15S 428957	VISHNUPRIYA.C	4	4	4	3	4	19	76
CB15S 428958	YAMUNA.R	3	4	3	4	3	17	68

Average

3.617647 3.73529 3.5588 3.61765 3.59

**Expected Attainment in each CO - 85%**

CO	Internal	External	Total	%
CO1	3.46	75	78.46	92.31
CO2	3.33	75	78.33	92.15
CO3	3.38	75	78.38	92.21
CO4	3.42	75	78.42	92.26
CO5	3.33	75	78.33	92.15

**Course Attainment for B.Sc Physics**

Subject Name: Atomic and Molecular Physics

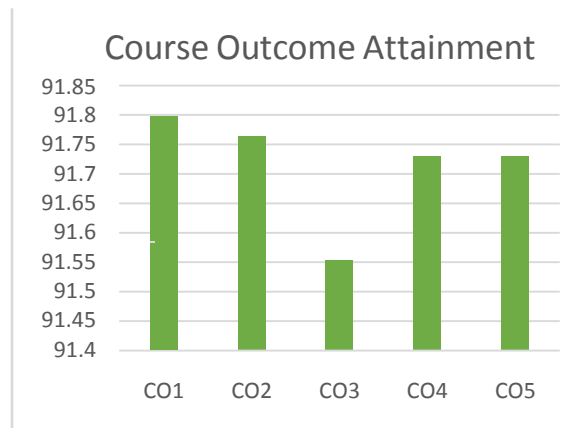
Subject Code: 16SCCPH6

Number of Students: 56

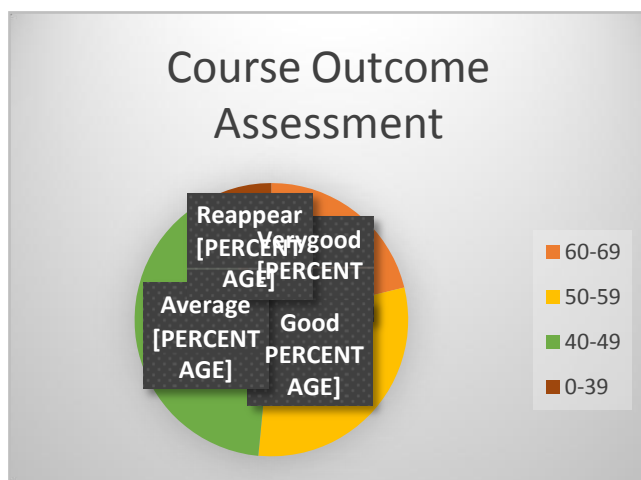
Course Outco	Percentage of Attainment
CO1	92.31
CO2	92.15
CO3	92.21
CO4	92.26
CO5	92.15


**Course Outcome Assessment**

Category (Mark)	Number of Students	Status
90-100	0	Outstanding
80-89	0	Excellent
70-79	0	Distinction
60-69	7	Very Good
50-59	10	Good
40-49	13	Average
0-39	3	Reappear



Course Outcome Assessment Percentage		
Category (Mark)	Percentage	Status
60-69	21.21	Very Good
50-59	30.30	Good
40-49	39.39	Average
0-39	9.09	Reappear



  
 PRINCIPAL  
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 College of Arts and Science  
 Karambayam, Pattukkottai-614 004  
 Thanjavur-District