

# Mini Project Details

Branch: ECE Semester :2

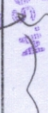
Section: B

AY:2021-22

Sl.No.	USN	Name of the Student	Name of the Guide	Name of the Project
1	1SG21EC064	MEGHANA G S	MS. Shwetha B S	Metal Detector
2	1SG21EC065	MITHUN D		
3	1SG21EC066	MITHUN P		
4	1SG21EC067	MONISHA V		
5	1SG21EC068	N R LIKITH REDDY	MS. Shwetha B S	Data Transmission using light
6	1SG21EC069	N V ABHISHEK		
7	1SG21EC070	NANDAN G		
8	1SG21EC071	NANDINI A		
9	1SG21EC072	NAVEEN B	MS. Shwetha B S	Burglar Alarm
10	1SG21EC073	NIKSHITH CHANDRU		
11	1SG21EC074	NITHISH C H		
12	1SG21EC075	NITHYANANDAN S		
13	1SG21EC076	PAVAN G	Dr. Devaraja C	Rain Sensing Automatic Car Wipers
14	1SG21EC077	PEEYUSH C P		
15	1SG21EC078	PRAJWAL G		
16	1SG21EC079	PRAKRUTHI S MALNAD		
17	1SG21EC080	PRASHANTH V H	Dr. Devaraja C	Automatic Door Opening using IR Sensor
18	1SG21EC081	PREETHI K		
19	1SG21EC082	PRUTHVIKA R		
20	1SG21EC083	PUNEETH R		
21	1SG21EC084	RAGHU C	Dr. Devaraja C	Transmission Electron Microscope
22	1SG21EC085	RAJEEV N KAUSHIK		
23	1SG21EC086	RAJESHWARI P NANDEPPAGAUDAR		
24	1SG21EC087	RENUKA PRASAD Y S		
25	1SG21EC088	ROHAN K GOWDA	Dr. Devaraja C	Transmission Electron Microscope
26	1SG21EC089	ROHIT N		
27	1SG21EC090	ROHITH N		
28	1SG21EC091	RUCHITHA R		
29	1SG21EC092	RUKHIYA BANUJI	Dr. Devaraja C	Transmission Electron Microscope
30	1SG21EC093	RUPESH L Tech. Ph.		



31	ISG21EC094	RUTHIK U S	<b>Mr. Akshaykumar D</b>	Password Door lock system by using Arduino mega
32	ISG21EC095	SAHANA R		
33	ISG21EC096	SAHANA SHETTY		
34	ISG21EC097	SAMRIDHI V KHADELWAL		
35	ISG21EC098	SANJANA		
36	ISG21EC099	SANKETH B M	<b>Mr. Akshaykumar D</b>	Light Sensitive Trigger
37	ISG21EC100	SHALINI C		
38	ISG21EC101	SHREYAS B L		
39	ISG21EC102	SHREYAS N		
40	ISG21EC103	SINCHANA		
41	ISG21EC104	SINCHANA A	<b>Mr. Akshaykumar D</b>	Blind stick
42	ISG21EC105	SINCHANA C		
43	ISG21EC106	SPOORTHI R		
44	ISG21EC107	SREEVATSA S		
45	ISG21EC108	SRIVIDHYA K S		
46	ISG21EC109	SRUSHTHI YUVARAJ GHATAGE	<b>Mr. Santhosh R</b>	Wireless Power Transmission
47	ISG21EC110	SUBRAMANYA S KALASANNAVAR		
48	ISG21EC111	SUCHITHRA G		
49	ISG21EC112	SUDEEP H U		
50	ISG21EC113	SUHAIL ULLA KHAN		
51	ISG21EC114	SUHAS HC	<b>Mr. Santhosh R</b>	Arduino Distance Measurement
52	ISG21EC115	SUSHRUTA S		
53	ISG21EC116	TEJASWINI S S		
54	ISG21EC117	THANUSHREE B A		
55	ISG21EC118	THARUN C		
56	ISG21EC119	THRISHA BAID	<b>Mr. Santhosh R</b>	Wireless Controlling of LED
57	ISG21EC120	UDAY KUMAR G L		
58	ISG21EC121	V VISHNU		
59	ISG21EC122	VAISHNAVIKA S GANGADKAR		
60	ISG21EC123	VARUN S		
61	ISG21EC124	VEDAGANGE	<b>Mr. Santhosh R</b>	Wireless Controlling of LED
62	ISG21EC125	VISHWAS M		
63	ISG21EC126	YUVARAJ K		

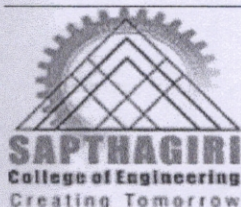
  
**M. Sc. H. Tech. Ph.D.**  
 Professor and Head  
 Department of Phys. &  
 Department of Engineering  
 Sapthagiri College of Engineering  
 Bengaluru 560057



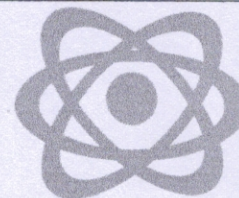
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## Department of Physics



## Photon Club



P-Cycle (ECE)

A Y/Semester: 2021-22/Even

### Mini Project - Report On “RFID based Attendance System”

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE IIsem	Abhijith Sai Chinni	
2	ECE IIsem	Abhilash G Yadav	
3	ECE IIsem	Abhishek S K	
4	ECE IIsem	Adithya S	
5	ECE IIsem	Adithya Ranjan Biswal	

Under the Guidance of

(Bhavya N.P)

Assistant Professor

20/20

Principal  
Sapthagiri College of Engineering  
14/5, Chikkaandra, Hesaraghatta Main Road  
Bengaluru - 560 057



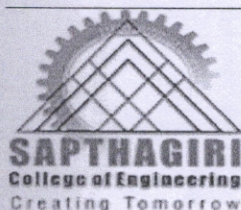
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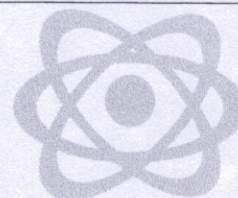
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## Department of Physics



## Photon Club



P-Cycle (ECE 'A' SECTION)

2<sup>nd</sup> Semester: 2021-22/Even

### Mini Project –Report On

### “ Wireless Notice Board Using Bluetooth ”

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE 2 <sup>nd</sup> Sem	AISHWARYA K M	Aishwarya
2	ECE 2 <sup>nd</sup> Sem	AKSHAY S PATIL	Akshay
3	ECE 2 <sup>nd</sup> Sem	ANANYA H S	Ananya .H.S
4	ECE 2 <sup>nd</sup> Sem	ANANYA J A	Ananya.
5	ECE 2 <sup>nd</sup> Sem	ANKITH D R	Ankith

Under the Guidance of

Ms. Bhavya N P

Assistant Professor

20/20

Principal

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Bengaluru - 560057



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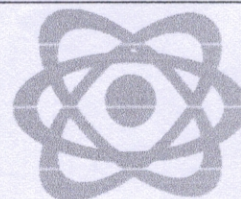
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## Department of Physics



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P-Cycle (ECE 'A' section)

2<sup>nd</sup> Semester: 2021-22/Even

### Mini Project - Report On

### "IoT Based Air Quality Monitoring System"

Submitted By

Sl No	Branch/Semester	Name of student	Signature
1	ECE IIsem	Ankith M	Ankith M
2	ECE IIsem	Ankitha B	Ankitha B
3	ECE IIsem	Anusha R	Anusha R
4	ECE IIsem	Arpitha A	Arpitha A
5	ECE IIsem	Ashrith M L	Ashrith M L

Under the Guidance of

(Bhavya.N.P)

Assistant Professor

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Bengaluru - 560 057



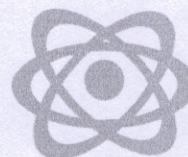
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### Department of Physics



## Photon Club



P-Cycle (ECE A Section)

2<sup>nd</sup> Semester 2021-22/Even

### Mini Project - Report On

### “SMART STICK USING ARDUINO UNO”

Submitted

By

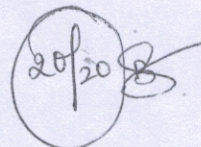
Sl No	Branch/Semester	Name of student	Signature
1	ECE	B S NANDAN KISHORE (1SG21EC016)	
2	ECE	B TARUN (1SG21EC017)	
3	ECE	BHAGATH S G (1SG21EC018)	
4	ECE	BHAGYASHREE PATIL (1SG21EC019)	
5	ECE	BHARGAVI K C (1SG21EC020)	

Under the Guidance of

(Bhavya N.P)

Assistant Professor

  
Principal  
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Bengaluru - 560 057

  
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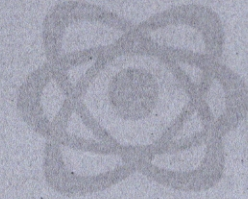
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## Department of Physics



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

## ARDUINO FLAME SENSOR INTERFACE

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE	CHIRANTH	
2	ECE	DAIWIK GOWDA S	
3	ECE	DARSHAN N	
4	ECE	DEEPAK R	
5	ECE	DEVAPPA HUCHANATTI	

Under the Guidance of

(Malashree G)

Assistant Professor

20/20

Principal  
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Bengaluru - 560 057



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Department of Physics



Photon club



P-Cycle (ECE/ME/BT/CV)

Y/Semester: 2021-22/Even

## Mini Project - Report On "Morse Code Generator"

Submitted by

Sl no.	Branch/Semester	Name of student	Signature
1.	ECE II	Devraj K V	Devraj K V
2.	ECE II	Dhruvakumar K	Dhruvakumar K
3.	ECE II	G Sai Tilak	Tilak
4.	ECE II	G Spoorthy	Spoorthy
5.	ECE II	Gagan H	Gagan H

Under the guidance of

(Mrs. Malashree)

Assistant professor

Principal

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Bengaluru - 560 047

20/20



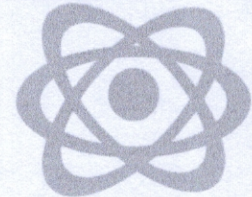
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## Department of Physics



## Photon Club



P-Cycle (ECE A)

II Semester: 2021-22/Even

### Mini Project - Report On

### “ELECTRONIC PIANO USING 555 TIMER IC”

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE II SEM	GAGAN R	Gagan R
2	ECE II SEM	GURULINGU R	Gurulingu R
3	ECE II SEM	HARIPRASAD M S	Hariprasad
4	ECE II SEM	HARISHKUMAR M S	Harish
5	ECE II SEM	HARSHITH B J	Harshith

Under the Guidance of

(MALASHREEE G)

Assistant Professor

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Principal

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Bengaluru - 560 057



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## Department of Physics



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

## "Driver Sleep Detection and Alarming System"

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE/2	HARSHITH GOWDA D	Harshith
2	ECE/2	HARSHITH S	Harshith
3	ECE/2	HARSHITHA G H	Harshitha
4	ECE/2	HARSHITHA N BHAT	Harshitha N
5	ECE/2	HEMANTH KUMAR A R	Hemant

Under the Guidance of

Ms. SHOBHA Y N

Assistant Professor

28/7/22

28/7/22

Department of Physics, SCE

Sapthagiri College of Engineering  
14/5, Chikkasandra, Bangalore  
Bengaluru - 560 057  
Principal  
Mini-Project



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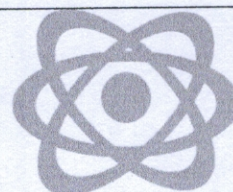
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Department of Physics



Photon club



P-Cycle (ECE/ME/BT/CV)

Y/Semester: 2021-22/Even

## Mini Project - Report On

### "Theft Detection Device"

Submitted by

Sl no.	Branch/Semester	Name of student	Signature
1.	ECE II	HIMALI R	Himali
2.	ECE II	ISHA P	Isa
3.	ECE II	JAYANTH V P	Jayanth
4.	ECE II	JEEVITHA R	Jeevitha
5.	ECE II	K G AISWARYA DEV	Aishwarya

Under the guidance of

SLX 28/7/22  
(Mrs. SHOBHA)

Principal

20/20

Assistant professor

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Bangalore - 560 057



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## Department of Physics



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### "CLAP SWITCH CIRCUIT"

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE/ II SEM 'A'	K.SINDHU	K. Sindhu
2	ECE/ II SEM 'A'	KEERTHANA B V	Keerthana B V
3	ECE/ II SEM 'A'	KEERTHANA K	Keerthana K
4	ECE/ II SEM 'A'	KRUTHI S	Kruthi
5	ECE/ II SEM 'A'	KRUTHIK M V	Kruthik
6	ECE/ II SEM 'A'	KUSHAL S K	Kushal SK

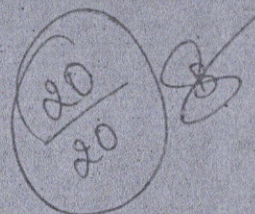
*SH*  
28/7/22  
Under the Guidance of

(SHOBHA Y N)

Assistant Professor

*B*  
Principal

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## Department of Physics



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### "Matchbox Microphone"

Submitted by

Sl. No	Branch/Semester	Name of student	Signature
1	ECE/A	Lakshmi shree .P	Lakshmi
2	ECE/A	Lavanya .B.H	Lavanya
3	ECE/A	Madhu Gowda .M.H	Madhugowda
4	ECE/A	Madhura .K	Madhura
5	ECE/A	Manoj Gowda.A.M	Manoj
6	ECE/A	Manya.B.A	Manya

Signature of Guide

Signature of HOD

Principal

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14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 067

20/20



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## Department of Physics



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On "METAL DETECTOR"

90/20  
P

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	2 <sup>nd</sup> Sem	Meghana G S	Meghana G.S.
2	2 <sup>nd</sup> Sem	Mithun D	Mithun D
3	2 <sup>nd</sup> Sem	Mithun P	Mithun P
4	2 <sup>nd</sup> Sem	Monisha V	Monisha V
5	2 <sup>nd</sup> Sem	N R Likith Reddy	N R Likith Reddy

Shwetha B.S

Under the Guidance of

MS. SHWETHA B S

Assistant Professor

B

Principal

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Bengaluru - 560 057



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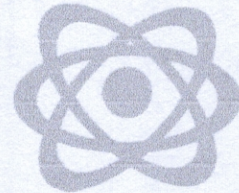
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## Department of Physics



## Photon Club



P-Cycle (ECE)

A Y/Semester: 2021-22/Even

20  
20

### Mini Project - Report

### "Data transmission using Li-fi"

Submitted

By

Sl No	Branch/Semester	Name of the student	Signature
1	ECE/2	N V Abhishek	Abhishek N V
2	ECE/2	Nandan G	Nandan
3	ECE/2	Nandini A	Nandini
4	ECE/2	Naveen B	Naveen-B
5	ECE/2	Nikshith Chandru	Nikshith

Under the Guidance of

(Shwetha B S)

Assistant Professor

Principal

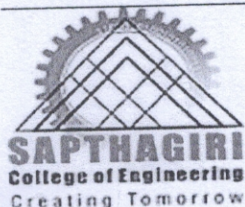
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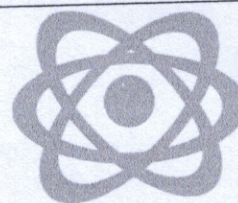
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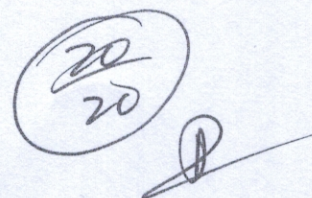
## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On "Burglar Alarm System"



Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	EC	NITISH C H	Nitish C.H
2	EC	NITHYANANDAN S	Nithya
3	EC	PAVAN G	Pavan
4	EC	PEEYUSH C P	Peeyush
5	EC	PRAJWAL G	Prajwal G

*Shewtha B S*

Under the Guidance of

Ms. Shewtha B S

*B*

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Bengaluru - 560 057



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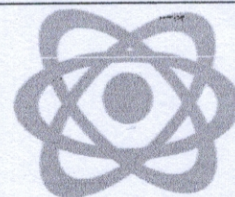
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## Department of Physics



## Photon Club



P-Cycle (ECE)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### “AUTOMATIC RAIN SENSING CAR WIPERS”

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE 2 <sup>nd</sup> SEM	PRAKRUTHI S MALNAD	
2	ECE 2 <sup>nd</sup> SEM	PRASHANTH V H	Prashanth V.H.
3	ECE 2 <sup>nd</sup> SEM	PREETHI K	Preethi.K
4	ECE 2 <sup>nd</sup> SEM	PRUTHVIKA R	
5	ECE 2 <sup>nd</sup> SEM	PUNEETH R	

Under the Guidance of

Dr. Devaraja C

Assistant Professor

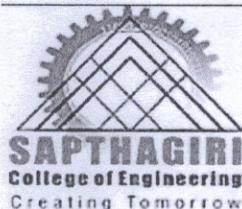
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Sapthagiri College of Engineering  
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Bengaluru - 560 057



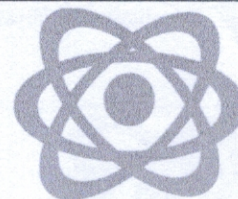
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## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### AUTOMATIC DOOR OPENING USING IR SENSOR

Submitted

By

20  
20

11/8/22

Sl No	Branch/Semester	Name of student	Signature
1	ECE/2-SEM	RAGHU C	
2	ECE/2-SEM	RAJESHWARI P NANDEPPAGOUDAR	
3	ECE/2-SEM	RENUKA PRASAD Y S	
4	ECE/2-SEM	RAJEEV N KAUSHIK	
5	ECE/2-SEM	ROHAN K GOWDA	

Under the Guidance of

(Dr.DEVARAJA C)

Assistant Professor

Principal  
Sapthagiri College of Engineering  
14/5, Chikkaasandra, Hesaraghatta Main Road  
Bengaluru - 560 067





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Department of Physics



### PHOTON CLUB

Physics-Cycle (ECE/BT/ME/CV)AY/Semester: 2021-22/ Even

20/20

"Mini-Project"

### "PASSWORD DOOR LOCK SYSTEM

### BY USING ARDUINO MEGA"

By

Branch	Name of student
EC	RUTHIK.U.S
EC	SAHANA. R
EC	SAHANA.SHETTY
EC	SAMRIDDHI.V.K
EC	SANJANA PATIL

Under the Guidance of  
Mr. AKSHAY KUMAR D  
Assistant Professor of Department of EEE

B  
Principal

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14/5, Chikkasandra, Hesaraghatta Main Road  
Bangalore - 560 057



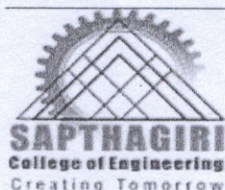
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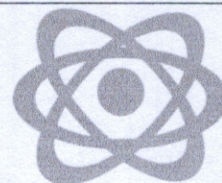
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## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### "LIGHT SENSITIVE TRIGGER"

20/20

Submitted

By

SL No	Branch/Semester	Name of student	Signature
1	2 <sup>nd</sup> sem, EC	SANKETH. B.M(1SG21EC099)	Sanketh B.M
2	2 <sup>nd</sup> sem, EC	SHALINI. C(1SG21EC100)	shalini C
3	2 <sup>nd</sup> sem, EC	SHREYAS. B. L(1SG21EC101)	Shreyas B.L
4	2 <sup>nd</sup> sem, EC	SHREYAS. N(1SG21EC102)	Shreyas N
5	2 <sup>nd</sup> sem, EC	SINCHANA(1SG21EC103)	Sinchana

Under the Guidance of

Akshaykumar. D

29/7/2022

Akshaykumar. D

Assistant Professor

Principal

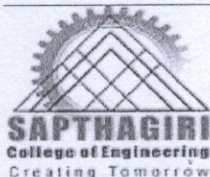
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### Department of Physics



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### "Blind Stick"

Submitted

By

20  
20

Sl No	Branch/Semester	Name of student	Signature
1	2 <sup>nd</sup> sem , EC	Sinchana. A	Sinchana A
2	2 <sup>nd</sup> sem , EC	Sinchana. C	Sinchana C
3	2 <sup>nd</sup> sem , EC	Spoorthi. R	Spoorthi R
4	2 <sup>nd</sup> sem , EC	Sreevatsa. S	Sreevatsa S
5	2 <sup>nd</sup> sem , EC	Srividya. K.S	Srividya K.S

Under the Guidance of

Akshaykumar.D

Akshay Kumar D

Assistant Professor

29/7/2022

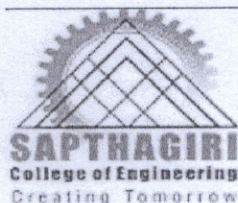
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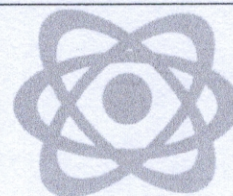


19/20

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**Department of Physics**



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On "WIRELESS POWER TRANSFER"

Submitted

By

Sly No	Branch/Semester	Name of student	Signature
1	EC	Srushti.Y.G	
2	EC	Subramanya.S	
3	EC	Suchithra.G	
4	EC	Sudeep.H.U	
5	EC	Suhail Ulla Khan	

Under the Guidance of

Project Supervisor/Proctor Signature  
Mr.Santhosh.R

Class Teacher Signature  
Dr.Devaraja.C

Principal  
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14/5, Chikkasandra, Hesarghatta Main Road  
Bengaluru - 560 057

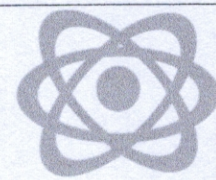


19/20

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**Department of Physics**



## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even


### Mini Project - Report On

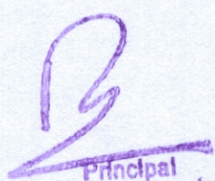
## “Arduino Distance Measurement”

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE/2 <sup>nd</sup> Sem	Suhas H C {ISG21EC114}	Suhas H C
2	ECE/2 <sup>nd</sup> Sem	Sushruta S {ISG21EC115}	Sushruta S
3	ECE/2 <sup>nd</sup> Sem	Tejaswini S S {ISG21EC116}	Tejaswini S S
4	ECE/2 <sup>nd</sup> Sem	Thanushree B A {ISG21EC117}	Thanushree B A
5	ECE/2 <sup>nd</sup> Sem	Tharun C {ISG21EC118}	Tharun C
6	ECE/2 <sup>nd</sup> Sem	Thrisha Bai D {ISG21EC119}	Thrisha Bai D

  
 Under the Guidance of  
**(Mr. SANTHOSH R)**  
 Assistant Professor

  
 Principal  
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20

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## Photon Club



P-Cycle (ECE/ME/BT/CV)

A Y/Semester: 2021-22/Even

### Mini Project - Report On

### “WIRELESS LED CONTROL USING IR REMOTE”

Submitted

By

Sl No	Branch/Semester	Name of student	Signature
1	ECE	UDAY KUMAR G L	Uday Kumar G L
2	ECE	V VISHNU	V Vishnu
3	ECE	VAISHNAVIKA S GANGADKAR	Vaishnavika S Gangadkar
4	ECE	VARUN S	Varun S
5	ECE	VEDAGANGE	Vedagange
6	ECE	VISHWAS M	Vishwas M
7	ECE	YUVARAJ I K	Yuvaraj I K

Under the Guidance of

(Mr. SANTHOSH R)

Assistant Professor

Principal

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