

Government College for Women (A) GUNTUR

Department of Physics

Academic Activities June-2020 to Dec 2021

S.No	Name of the Activity	Date of the Activity	Resource person	Participation
1	Online District level Quiz on the eve of Energy conservation week	14/12/2020 to 20/12/2020		District Level B.Sc Degree Students
2	Off Line Quiz Quiz On the Eve of Science Day	28/02/2021		
3	Live Project Exhibition	28/08/2021		Degree Students
4	Field Trip to Efftronics Ltd. Tadepalli Guntur	02/09/2021		B.Sc (MPE)
5	Invited lecture	20/10/21	Sri P Narendra Prasad Asst. Professor JKC College Guntur	All Degree Students
6	Awareness Programme on Higher Education	06/11/2021	Dr. Shaik Babu Asst.Prof KLU Deemed University Tadepalli Guntur	All Final Year students
7	Energy Conservation Day Poster presentation Power point presentation	14/12/2021 to 20/12/2021		All Degree Students
8	Study Projects			Advanced Learners
9	Bridge Course	15/02/2021 to 25/02/2021 16/02/2021 to 26/02/2021		All First year students (Physics) (Electronics)
10	Remedial course			Slow learners
11	Ward counseling			All students

Govt. College for Women (A), Guntur
Dept. of Physics
Departmental Activities 2020-21
Name of the Activity: District Wise Online Quiz

Objective:	To create awareness on energy conservation methods among the students through the competition “On-Line Quiz “on the occasion of Energy conservation day in district wise.
Date :	14/12/2021
Time :	10:00 am to 5 :00 pm <p style="text-align: center;">Online Quiz Link</p> <p>https://docs.google.com/forms/d/e/1FAIpQLScjHFOPbfRwR0C8h-7M5L_7uOZi7qHjScwi6LVzYyJvp5OKMQ/viewanalytics</p>
Participants:	Students and faculty of Physics & Electronics
No.of students	101
No.of faculty	6
Other participants	216
Description in brief:	As a part of “celebrations of energy conservation week”, Department of physics has conducted the online quiz. 316 students of different colleges from different districts have participated in this quiz and E-certificates were sent to all the participants to their registered mails, who scores more than 40% points. .
Outcome:	Created awareness on energy saving methods and practices conveying the idea



GOVERNMENT COLLEGE FOR WOMEN, GUNTUR. (AUTONOMOUS)

CERTIFICATE OF APPRECIATION

12/14/2020

THIS IS TO CERTIFY THAT **G.SITA** HAS SUCCESSFULLY PASSED THE ONLINE QUIZ ON THE "**GENERAL AWARENESS ON CONSERVATION OF ENERGY**" CONDUCTED BY THE DEPARTMENT OF **PHYSICS** ON THE OCCASION OF ENERGY CONSERVATION DAY.

COORDINATOR
Shaik.Jubeda

HOD OF PHYSICS
DR.N . MANJULA BHARATHI

PRINCIPAL
DR.V.RAMA JYOTSNA KUMARI

Made for free with Certify'em

Off Line Quiz on the Eve of Science Day

Govt. College for Women (A), Guntur
Dept. of Physics
Departmental Activities 2020-21
Name of the Activity: OFF line Quiz

Objective:	To create awareness about the importance of science day among the students through Quiz
Date :	28/02/2021
Time :	4:00 pm to 5 :00 pm
Participants:	Students and faculty of Physics & Electronics
No.of students	60
No.of faculty	5
Other participants	
Description in brief:	Students are divided into 6 groups and they have asked some questions at easy level and some are at tough on basic knowledge and finally Group C won the competition.
Outcome:	Getting some idea about the basic concepts in science
Evidence:	

**Department of
PHYSICS &
ELECTRONICS
Live Projects
Exhibition
28/08/2021**

Govt. College for Women (A), Guntur
Dept. of Physics & Electronics
Departmental Activities 2020-21
Name of the Activity: Student Projects

Objective:	To create awareness about the importance and applications of science and Electronics in our daily life day among the students through student projects
Date :	28/08/2021
Time :	10:00 am to 5 :00 pm
Participants:	Students and faculty of Physics & Electronics
No.of students	150
No.of faculty	6
Other participants	Principal, Administration officer and College Faculty and students of different disciplines.
Description in brief:	Students are divided into teams with 5 members and some are individually have allotted different projects with their own choice on the applications of Electronics and Science in the daily life. The projects are exhibited in the Physics and electronics lab for the visit of college
Outcome:	Students are encouraged and benefited to enhance their creative skills and thoughts by doing these projects
Evidence:	



**Department of
PHYSICS &
ELECTRONICS
MoU & Field Trip
02/09/2021**

Memorandum Of Understanding
Between
Government College for Women, Guntur
And
Efftronics Systems Pvt Ltd, Mangalagiri

This Agreement made and entered into on 22-Sep-2021 between Government College for Women, Guntur -522001 and Efftronics Systems Pvt Ltd (here in after called Efftronics) situated at Pot No.4, APIIC IT park, Autonagar, Mangalagiri -522503 This MOU shall be valid for 1 year from the date and each party shall be at full liberty to terminate the collaboration with a notice period of 3 months.

Objectives of the MOU:

The objective of this Memorandum of Understanding is:

- A. To promote interaction between Government College for Women, Guntur and Efftronics in mutually beneficial areas.
- B. To provide a formal basis for initiating interaction between Government College for Women, Guntur and Efftronics

Proposed Modes of Collaboration:

Government College for Women, Guntur and Efftronics propose to collaborate through

1. Exchanging of expertise by means of Guest Lectures, Technical Seminars, Workshops and other events (during regular working days) for the benefit of the faculty and students.
2. Permitting students for One-day Industrial Visit.
3. Allowing faculty & Staff for industrial training.
4. Permitting Practical training to students.
5. Attending campus recruitment where the intake depends up on the clearance of all the rounds by the candidate in selection process.

Note: All the above modes will be decided upon mutual consent based on Availability, Work Schedules and Manpower of Company.

Date of Agreement: 22-Sep-2021

With Regards

For Efftronics Systems Pvt. Ltd

Government College for Women, Guntur




(SPURTHI D)

HR MANAGER

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PRINCIPAL

CIN: U51909AP1987PTC007554 | GST: 37AAACE4879Q1ZT

Smart Railway Signalling

Smart Buildings

Smart Cities

IoT Solutions



Invited lecture-
Progress of Physics
Fantastic Trip to the
Macro & Micro World
20/10/2021

Sri P Narendra Prasad,
Asst Professor,
JKC College Guntur

Govt. College for Women (A), Guntur
Dept. of Physics & Electronics
Departmental Activities 2020-21
Name of the Activity: Invited Lecture

Objective:	To create awareness about the basic progress in physics, importance and applications of science and also create curiosity about the macroscopic and microscopic world among the students through this invited lecture
Date :	20/10/21
Time :	10:00 am to 12 :00 noon
Participants:	Students and faculty of Physics & Electronics
No.of students	95
No.of faculty	4
Other participants	
Description in brief:	Our Resource person Sri P Narendra Prasad, Asst Professor in Physics, JKC College, Guntur presented his lecture in a enthusiasm manner by the video “ Fantastic Trip to World” and after that he explained very nicely about the progression of Physics from the ancient level to upto now and how the physicists explained different phenomena with their experiment proofs.
Outcome:	Students are very much impressed by his lecture and motivated towards the research
Evidence:	



Awareness Programme on Higher Education

06/11/2021

Shaik Babu

Asst Prof.in Physics

KLUniversity ,

Vadlamudi

GUNTUR

Govt. College for Women (A), Guntur
Dept. of Physics & Electronics
Departmental Activities 2020-21
Name of the Activity: Awareness Programme on Higher Education

Objective:	To create awareness about the different streams and opportunities in higher studies in physics and also availabilities towards the employment and Research
Date :	06/11/2021
Time :	11:00 am to 12 :00 noon
Participants:	Students and faculty of Physics & Electronics
No.of students	62
No.of faculty	4
Other participants	Shaik Babu Asst Professor in Physics KLUniversity Guntur And other Two KLU Staff
Description in brief:	Our Resource person Sri Shaik Babu, Asst Professor in Physics KLUniversity, created awareness on the future opportunities and the streams in physics that are best for higher education and future employability. By the creation of awareness about research methodology they also motivated the students to think about the research
Outcome:	Students are very much motivated by his lecture towards the higher education and research
Evidence:	



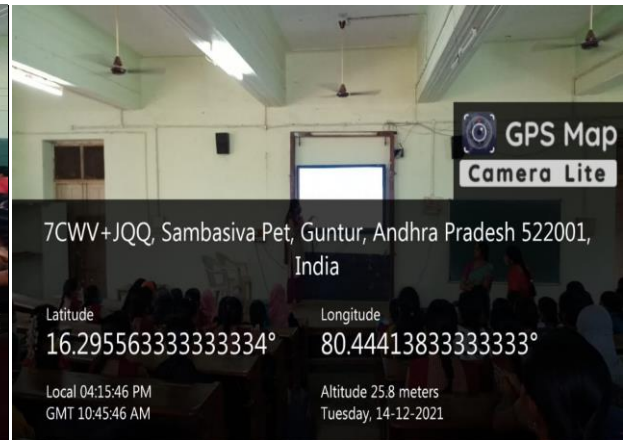
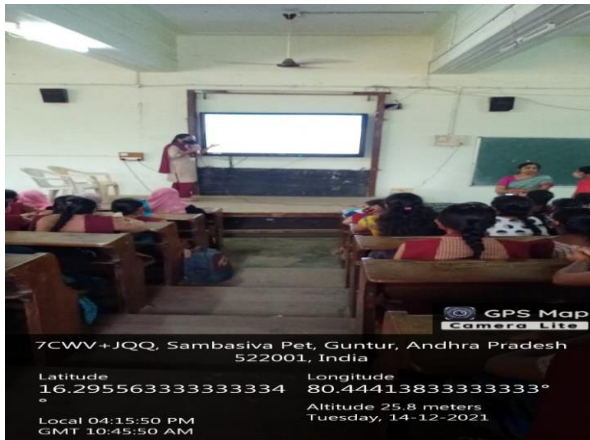
Energy Conservation Week Celebrations

**1/12/2021 to
20/12/2021**

**Poster presentation &
Power Point
Presentation**

Govt. College for Women (A), Guntur
Dept. of Physics & Electronics
Departmental Activities 2020-21
Name of the Activity: Energy conservation week celebrations

Objective:	To create awareness among the students about the different methods and techniques to save or conserve energy for the present and future generations by the methods of poster presentation and power point presentations
Date :	14/12/2021 to 20/12/2021
Time :	4:00 pm to 5 :00 pm
Participants:	Students and faculty of Physics & Electronics
No.of students	128
No.of faculty	7
Other participants	Kamala Karuna, Faculty of Chemistry Lakshmi Prameela, Lecturer in Chemistry Dr. Mallikarjuna Rao, Lecture in Economics Dr Ajay Lecture in Economics
Description in brief:	Students actively participated in the competitions like poster presentations and power point presentations and they created awareness among the other students about the simple techniques and methods that can conserve the energy in order to fulfill the needs of the future even though we use that resources
Outcome:	Students are actively participated in this competitions through the motivation of staff and improved their skills in preparing PPTs and Posters.
Evidence:	



Electronics
Bridge course
Academic Year
2020-21

Government college for women Guntur

Bridge Course-2020-21

Duration: (16/02/2021 to 26/02/2021 (10 days)

S.No.	DAY	Date	Topic
1	Day:1	16/02/21	Class Introduction
2	Day:2	17/02/21	Preliminary Examination on Basic Concepts
3	Day:3	18/02/21	Introduction class Science Branches of Science Physical science Electronics introduction
4	Day:4	19/02/21	Discussion on Basic Physics Quantities, definitions of voltage, current units different terms used in electronics
5	Day:5	20/02/21	Difference between ac and dc (voltages and currents) Different types of resistors
6	Day:6	22/02/21	Different types of capacitors Colour coding of resistors
7	Day:7	23/02/21	Different waveforms and their wave shapes used in circuits Explained about the basic circuits used in electronics
8	Day:8	24/02/21	Explained about diode formation Explained about components and elements difference (UJT, SCR, BJT, FET)
9	Day: 9	25/02/21	Conclusion of the topics-doubts clarification
10	Day: 10	26/02/21	Final Exam

Government College for women Guntur

Bridge Course-2020-21

Duration: (16/02/2021 to 26/02/2021 (10 days)

Attendance Sheet

S.N o.	Name of the Student	Group	16/ 02	17/11 Exam	18/ 02	19/ 02	20/ 02	22/ 02	23/ 02	24/ 02	25/ 02	26/ 02
1	B. Naga Sirisha	MECs	P	a	a	a	P	P	P	a	P	P
2	B. Manthri Bai	MECs	a	P	a	a	P	a	P	P	P	a
3	B. Sowmya	MECs	P	P	P	a	a	P	P	a	P	a
4	B. Liki tha	MECs	P	a	P	P	a	P	P	P	a	a
5	B. Harika Bai	MECs	P	P	P	P	a	a	P	a	P	a
6	B. Srivenkata	MECs	a	P	P	P	P	P	a	P	P	a
7	B. Sowmya	MECs	a	a	P	P	P	P	P	a	P	P
8	B. Radhakrishna	MECs	P	P	P	a	P	P	P	P	a	P
9	B. Sraani	MECs	P	P	a	a	P	a	P	P	a	a
10	ch. Priya	MECs	P	a	P	P	P	a	a	P	a	a
11	ch. A. Shirley	MECs	P	P	a	a	P	P	P	a	P	P
12	G. L. Prasanna	MECs	P	P	P	a	P	a	P	P	P	P
13	G. Nagatharika	MECs	P	P	P	P	a	P	P	a	P	P
14	G. Sandhya Rani	MECs	a	P	a	P	P	P	P	a	P	P
15	J. Veeramma	MECs	P	P	a	P	P	P	P	a	P	a
16	J. Keerthi	MECs	P	a	a	P	P	P	a	P	P	a
17	J. Veeramma	MECs	P	P	a	P	P	a	P	P	a	P
18	K. Sowshya	MECs	P	a	P	P	P	a	P	P	a	P
19	K. Anuradha	MECs	P	P	P	a	a	P	P	a	P	a
20	K. Anuhya	MECs	P	P	a	P	P	a	P	P	a	P
21	K. Amulya	MECs	a	P	P	P	a	P	P	P	P	P
22	K. N. Lakshmi	MECs	P	P	a	P	a	P	P	P	a	a
23	L. Susanthi	MECs	P	P	a	P	P	P	P	a	a	P
24	M. Deepthi	MECs	a	P	P	P	a	P	P	a	P	a
25	M. Jyoshika	MECs	P	a	P	P	P	a	P	P	a	P
26	M. Vyshnavi	MECs	P	P	P	P	a	a	P	P	P	a
27	M. Sudha	MECs	a	P	P	P	a	P	P	P	a	a
28	M. usha	MECs	P	a	P	P	P	a	a	P	P	P
29	M. Malleswari	MECs	P	P	a	P	P	P	P	P	a	P
30	N. Naga Lakshmi	MECs	a	P	P	a	P	P	P	P	a	P
31	P. Indira	MECs	P	P	P	P	a	P	a	P	P	a
32	P. Sirisha	MECs	a	P	a	P	a	P	P	P	P	a

Government College for women Guntur

Bridge Course-2020-21

Duration: (16/02/2021 to 26/02/2021 (10 days)

Attendance Sheet

S.N o.	Name of the Student	Group	16/ 02	17/11 Exam	18/ 02	19/ 02	20/ 02	22/ 02	23/ 02	24/ 02	25/ 02	26/ 02
33	P. Poojitha	MECs	P	A	P	A	P	P	A	P	P	P
34	P. Teja	MECs	A	P	A	A	P	P	P	a	P	a
35	R. Anusha	MECs	P	P	a	P	a	P	P	P	a	P
36	S. Pravallika	MECs	P	a	a	P	P	P	P	a	P	P
37	S. Govardhini	MECs	a	P	P	a	a	P	P	a	P	a
38	S. Prabhavathi	MECs	P	P	P	P	a	a	P	a	P	a
39	S. Ananthalakshmi	MECs	a	a	a	a	P	P	P	P	a	a
40	S. Siraparvathi	MECs	P	P	P	a	a	P	P	a	P	a
41	SK. Athifa	MECs	P	P	a	P	a	P	P	P	a	a
42	SK. Dilnaz	MECs	P	P	a	a	P	P	P	a	P	P
43	SK. Shahina	MECs	P	P	a	P	P	P	a	a	P	a
44	S. Venkata Siresha	MECs	a	P	P	a	P	P	a	P	a	a
45	S.S.L. Prasanna	MECs	P	P	a	P	P	a	P	P	P	P
46	T. Anusha	MECs	a	a	P	P	a	P	P	P	a	a
47	T.N. Malleswari	MECs	P	P	a	P	P	a	P	a	P	a
48	U. Sravani	MECs	P	P	P	P	P	a	P	P	P	P
49	U. Prashanthi	MECs	a	P	P	a	a	a	P	P	P	P
50	U. Leelavathi	MECs	P	a	P	a	P	P	a	a	P	P
51	M. Kumari	MECs	P	a	P	P	P	P	P	a	P	P
52		MECs										
53		MECs										
54		MECs										
55		MECs										
56	B. Swetha	MPE	P	a	P	a	P	P	P	P	a	P
57	B.A. Jyothi	MPE	P	P	P	P	a	P	P	P	P	a
58	Ch.L. Nagamani	MPE	P	a	P	P	P	P	a	P	P	a
59	Pinky	MPE	a	a	P	P	P	a	a	a	P	a
60	G.C. Lavanya	MPE	P	a	P	a	P	a	P	P	a	a
61	P. Nandini	MPE	P	P	P	P	P	P	P	P	a	a
62	SK. Karishma Begum	MPE	a	a	P	a	a	P	a	P	P	P
63	SK. Naseema	MPE	P	P	P	a	P	P	a	P	P	P
64	S. poojitha	MPE	a	P	P	a	P	P	a	P	P	a

Government college for women Guntur

Bridge Course-2020-21

Duration: (16/02/2021 to 26/02/2021 (10 days)

Max Marks: 25

FINAL Test

Time: 1 hour

Section -A

Multiple choice Questions

1. A semiconductor is formed by bonds.
 1. Covalent
 2. Electrovalent
 3. Co-ordinate
 4. None of the above
2. A semiconductor has temperature coefficient of resistance.
 1. Positive
 2. Zero
 3. Negative
 4. None of the above
3. The most commonly used semiconductor is
 1. Germanium
 2. Silicon
 3. Carbon
 4. Sulphur
4. A semiconductor has generally valence electrons.
 1. 2
 2. 3
 3. 6
 4. 4
5. The resistivity of a pure silicon is about
 1. $100 \Omega \text{ cm}$
 2. $6000 \Omega \text{ cm}$
 3. $3 \times 10^5 \Omega \text{ m}$
 4. $6 \times 10^{-8} \Omega \text{ cm}$

6. When a pentavalent impurity is added to a pure semiconductor, it becomes
1. An insulator
 2. An intrinsic semiconductor
 3. p-type semiconductor
 4. n-type semiconductor

7. Addition of pentavalent impurity to a semiconductor creates many
1. Free electrons
 2. Holes
 3. Valence electrons
 4. Bound electrons

8. A crystal diode has
1. one pn junction
 2. two pn junctions
 3. three pn junctions
 4. none of the above

9. A crystal diode has forward resistance of the order of
1. $k\Omega$
 2. Ω
 3. $M\Omega$
 4. none of the above

10. The reverse current in a diode is of the order of
1. kA
 2. mA
 3. μA
 4. A

Fill in the blanks

5x2=10

1. A ----- is created when an electron moves from the valence band to the conduction band.
2. The average value of the half-wave rectified output voltage is approximately _____ of V_p .
3. An electron can move to another atom's orbit only while in the _____.
4. ____ occurs when a pn junction is first formed.
5. The small amount of ac signal present on the output of a filtering network for a dc power supply is known as _____.

Government college for women Guntur

Bridge Course-2020-21

Duration: (16/02/2021 to 26/02/2021 (10 days)

Course: B.Sc (MECs, MPE)

Max Marks: 25

Preliminary Test

Time : 1 hour

S.No	Name of the Student MECs	Marks in Intermediate 1 st Year / 2 nd Year		Marks in the exam	Signature of the Student
1	G. Naga Harika	52	50	24	G. Nagaharika
2	B. Radhakrishna	40	48	23	B. Radhakrishna
3	K. Sai Amulya	36	42	16	K. Sai Amulya
4	G. Sandhya Rani	30	32	19	G. Sandhya Rani
5	S. Lakshmi Prasanna	35	45	22	S. Lakshmi Prasanna
6	K. Anusha	40	45	24	K. Anusha
7	P. Sirisha	58	42	23	P. Sirisha
8	B. Naga Sirisha	42	50	25	B. Naga Sirisha
9	S. Pravallika	58	43	19	S. Pravallika
10	Sk. Dilnaz	57	55	23	Sk. Dilnaz
11	Sk. Dilshad	55	52	22	Sk. Dilshad
12	U. Leelavathi	48	53	23	U. Leelavathi
13	K. H. Pruthika Suresh	45	50	20	K. H. Pruthika Suresh
14	S. S. Santhi. L	32	30	20	L. S. Santhi
15	M. Tyoshika	30	36	23	M. Tyoshika
16	G. Lakshmi prasanna	57	56	24	G. L. prasanna
17	U. Sravani	55	54	23	U. Sravani
18	U. prasanthi	50	45	20	U. prasanthi
19	M. Kumari	46	52	15	M. Kumari
20	N. Nagalakshmi	48	56	19	N. Nagalakshmi
21	B. Sravani	44	53	23	B. Sravani
22	R. Anusha	45	51	24	R. Anusha

Government college for women Guntur

Bridge Course-2020-21

Duration: (16/02/2021 to 26/02/2021 (10 days)

Course: B.Sc (MECs, MPE)

Max Marks: 25

Preliminary Test

Time : 1 hour

S.No	Name of the Student (MPE)	Marks in Intermediate 1 st Year / 2 nd Year		Marks in the exam	Signature of the Student
23	B. Swetha	45	50	20	B. Swetha
24	Sk. Karishma Begam	50	56	25	Sk. Karishma Begam
25	Sk. Naseema	55	58	25	Sk. Naseema
26					
27	MECS				
28	P. Poojitha	-	-	20	P. Poojitha
29	M. Usha	-	-	22	M. Usha
30	K. Sai Amulya			20	K. Sai Amulya
31	B. Swetha				
32	N. Nagalakshmi			23	N. Nagalakshmi
33					
34					
35					
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41					
42					
43					
44					

Government college for women Guntur

Bridge Course-2020-21

Duration: 15/02/2021 to 25/02/2021 (10 days)

S.No.	DAY	Date	Topic
1	Day:1	15/02/21	Class Introduction
2	Day:2	16/02/21	Preliminary Examination on Basic Concepts
3	Day:3	17/02/21	Introduction class Science Branches of Science Physical science Macro world and Micro World
4	Day:4	18/02/21	Discussion on Basic Physics Quantities, formulae and its units and dimensions Classical laws and its applications
5	Day:5	19/02/21	Sound Acoustic waves, characteristics Resonance
6	Day:6	20/02/21	Different types of Forces Matter and its energy- Relativistic mechanics
7	Day:7	22/02/21	Trigonometry-Differentiation & Integrations
8	Day:8	23/02/21	Types of motions Fundamentals of vibrations and different waveforms
9	Day: 9	24/02/21	Conclusion of the topics-doubts clarification
10	Day: 10	25/02/21	Final Exam

Government college for women Guntur

Bridge Course-2020-21

Duration: 15/02/2021 to 25/02/2021 (10 days)

Max Marks: 25

Preliminary Test

Time: 1 hour

Section -A

Multiple choice Questions

1. The gravitational force acting on a body is defined as weight W -----

- (a) $W=mg$ (b) $W=ag$ (c) $g=W/m$ (d) none

2. The dimensional formula for Torque is...

- (a) ML^2T^2 (b) $M^1L^1T^2$ (c) $M^2L^1T^1$ (d) none

3. A reaction involving atomic nuclei ---

- (a) Periphery (b) Atomic reaction (c) Nuclear reaction (d) none

4. Kepler's third law...

- (a) $F=ma$ (b) $T^2 \propto a^3$ (c) $I = p^2/GM$ (d) None

5. 1 Electron volt...

- (a) $1.062 \times 10^{-19} \text{ J}$ (b) $1.062 \times 10^{19} \text{ J}$ (c) $1.062 \times 10^{-19} \text{ N}$ (d) none

6. $E=mc^2$, where c is

- (a) Velocity of light (b) time dilation (c) rest mass (d) none

7. A vector whose modulus or magnitude is unity is called

- (a) Null vector (b) Parallel Vector (c) Unit Vector (d) Equal vector

8. When an astronaut goes out of his spaceship into the space he will

- (a) free fall on earth (b) continue to move along with the satellite in the same orbit
(c) go upwards (d) goes spiral to the earth

9. The reference system law of inertia holds good

- (a) Rest mass energy (b) inertia (c) Rest mass (d) none

10. The velocity of light in vacuum..
(a) $4 \times 10^8 \text{ m/s}$ (b) $3 \times 10^8 \text{ m/s}$ (c) $3 \times 10^9 \text{ m/s}$ (d) $2 \times 10^8 \text{ m/s}$

Section-B

Fill in the Blanks

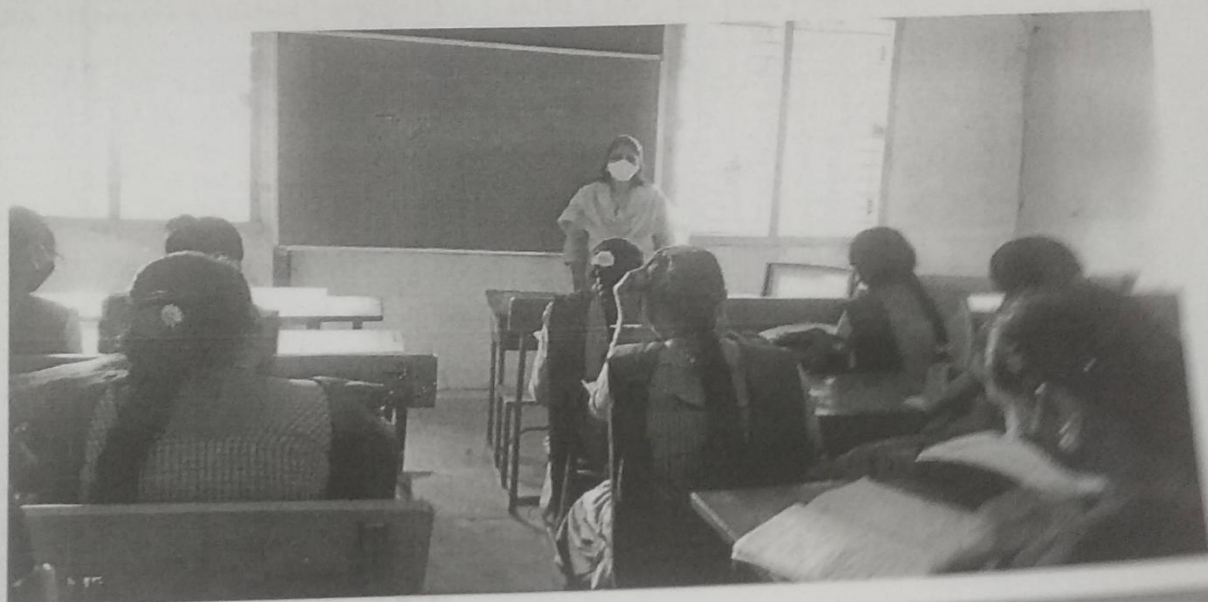
1. Moment of inertia.....
2. The acceleration due to gravity.....
3. The Kinetic energy of a rotating body.....
4. Angular acceleration
5. The Elastic force acting on the mass.....

Section-C

Match the following

- | | | |
|--|-----|--------------------------------|
| 1. Kinetic energy | [] | a. $\frac{1}{2} mv^2$ |
| 2. Path of a particle in motion | [] | b. binding energy |
| 3. $F=mg$, where g is | [] | c. Trajectory |
| 4. The intrinsic property of the body that opposes any change in its state | [] | d. Acceleration due to gravity |
| 5. Energy required to bind a system of particles from separation | [] | e. mgh or $\frac{1}{2} mv^2$ |
| | [] | f. inertia |

Government College for Women (A) :: Guntur
Department of Physics & Electronics
Bridge course
Academic Year 2020-21



Government college for women Guntur

Bridge Course-2020-21

Duration: 15/02/2021 to 25/02/2021 (10 days)

Attendance Sheet

[illegible]

Government college for women Guntur

Bridge Course-2020-21

Duration: 15/02/2021 to 25/02/2021 (10 days)

Attendance Sheet

S.No.	Name of the Student	Group	15/02	16/02 Exam	17/02	18/02	19/02	20/02	22/02	23/02	24/02	25/02
1	A. Swathi	MPCs	P	P	P	A	A	P	P	P	A	P
2	A. Sireesha	MPCs	P	P	P	P	P	P	P	A	A	P
3	B. Aswani Bai	MPCs	A	P	P	A	P	P	A	P	P	P
4	B. Sukanaya	MPCs	P	A	P	A	A	A	P	P	P	P
5	B. Sneha Gayatri	MPCs	P	A	P	P	P	P	P	P	P	P
6	Ch. Nagamani	MPCs	A	P	A	A	A	A	A	A	P	P
7	D. Keerthi	MPCs	P	P	A	A	P	P	P	P	P	P
8	D. Gayathri	MPCs	P	A	P	P	P	P	A	P	P	P
9	J. Bhargavi	MPCs	P	P	P	P	P	P	A	A	P	P
10	J. Ujjwala	MPCs	P	P	A	P	P	P	A	P	A	P
11	K. Srilekha	MPCs	A	A	P	P	P	P	P	P	P	P
12	M. Prameela Rani	MPCs	P	P	A	A	P	P	P	P	P	P
13	M. Esther Rani	MPCs	P	P	A	A	P	P	A	P	P	P
14	M. Sauti Bai	MPCs	A	A	P	P	P	P	P	P	P	P
15	M. Meghana	MPCs	P	P	A	P	P	P	P	P	P	P
16	N. Aswini Narayani	MPCs	P	A	P	P	P	P	P	P	A	P
17	P. Sindha	MPCs	P	P	P	P	P	P	P	P	P	P
18	P. Adimma	MPCs	A	P	P	P	P	P	P	P	P	A
19	R. Mary Parvathi	MPCs	A	P	P	P	P	P	P	P	A	P
20	Sk. Sabitha	MPCs	P	P	P	P	P	P	P	A	P	P
21	T. Lakshmi	MPCs	P	P	P	P	P	P	A	A	P	P
22	U. Durga Bhavani	MPCs	P	P	P	P	P	P	A	A	A	P
23	V. Swathi	MPCs	P	P	P	P	P	P	A	A	A	P

Government college for women Guntur
 Bridge Course
 15/02/2021 to 25/02/2021 (10 days)

Attendance Sheet

S.No.	Name of the Student	Group	15/ 02	16/02 Exam	17/ 02	18/ 02	19/ 02	20/ 02	22/ 02	23/ 02	24/ 02	25/ 02
1	B. Swetha	MPE	A	A	A	P	P	P	P	A	A	A
2	B. Ananda Syathi	MPE	P	P	P	A	P	P	P	P	P	A
3	Ch. Lalitha Nayana	MPE	A	A	A	P	P	P	P	A	A	A
4	G. Pinky	MPE	P	P	A	A	P	P	P	A	A	A
5	G. Chenchu Lavanya	MPE	P	P	P	P	P	A	A	P	P	P
6	P. Nandini	MPE	A	A	A	P	P	P	A	A	P	P
7	Sk. Karichma Begum	MPE	P	P	P	P	P	P	P	A	A	P
8	Sk. Naseema	MPE	P	P	P	P	A	P	P	A	A	P
9	S. Pojitha	MPE	P	P	P	A	A	P	P	P	A	P
10		MPE										

**Department of Physics
and Electronics
Study Projects
Academic year
2020-2021**

S.No	Name of the Student	Programme name	Title of the Project
1	Y S Rajya Lakshmi	B.Sc (MPCs)	Stress Meter
2	K Catharin	B.Sc (MPC)	Motion sensor Light
3	J Anjali	B.Sc (MPCs)	Simple touch sensor
4	D Sravani	B.Sc (MPC)	Mini Power Bank
5	Sk Khajabi	B.Sc (MPC)	Touch Switch
6	P Sandya	B.Sc (MPCs)	Rain detector
7	R Sushma Priya	B.Sc (MPCs)	Panic Alarm
8	B Jyosthna Rani	B.Sc (Electronics)	Fire Alarm
9	Ch Pujitha	B.Sc (Electronics)	Automatic sanitizer Dispenser
10	P Padma	B.Sc (Electronics)	IR Proximity sensor
11	K Naga Mounika	B.Sc (Electronics)	Automatic LED Flasher
12	G Sri Likhitha	B.Sc (Electronics)	Automatic Street Light using LDR
13	O Nandini	B.Sc (Electronics)	Automatic Water controller
14	S Amulya	B.Sc (Electronics)	IR security Alarm
15	T Siva Parvathi	B.Sc (Electronics)	Automatic Light Control system
16	A Sravani	B.Sc (Electronics)	Simple Clap Switch
17	E Madhavi	B.Sc (Electronics)	Electrical Lift
18	P Sirisha	B.Sc (Electronics)	Electric dice
19	P Vasantha	B.Sc (Electronics)	Touch less door alarm
20	P Dhana Lakshmi	B.Sc (Electronics)	Automatic sensor Light
21	B Naga Triveni	B.Sc (Electronics)	Motion sensor automatic room lighting
22	Sk Shabana Parveen	B.Sc (Electronics)	Air Cooler

STRESS METER

A PROJECT WORK SUBMITTED IN FULFILMENT
OF REQUIREMENT FOR DEGREE OF B.Sc(Physics)

By
Y.S.Rajyalakshmi
(Reg.No:18302028)

Under esteemed supervision of
Smt. Manjula Bharathi and Sri K.Srinivasa Rao




DEPARTMENT OF PHYSICS
GOVERNMENT COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR-522001
JULY-2021

CERTIFICATE

This is to certify that this project entitled "STRESS METER" is a bonafide record done by Y.S.Rajyalakshmi(18302028) submitted in the fulfillment of the final semester of the B.Sc(Physics), during the year 2020-2021 under the esteemed supervision of Smt.N.Manjula Bharathi and Sri. K.Srinivasa Rao, Government College For Women, Guntur.


Sri K.Srinivasa Rao
PROJECT GUIDE


Smt. N.Manjula Bharathi
HEAD OF THE DEPARTMENT

DEPARTMENT OF PHYSICS
GOVERNMENT COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR-522001
JULY-2021

Motion sensor light

A project work submitted in fulfilment of requirements for degree of B. SC (physics)

By

K.CATHARIN

(Reg. No:18301022)

Under esteemed supervision of Sri. K. Srinivasa Rao and Dr.N.Manjula Barathi.



Department of physics

Government College for women (Autonomous)

Guntur-522004

July-2021

CERTIFICATE

This is to Certify that this project work entitled "MOTION SENSOR LIGHT" Is a bonafied record done by K.CATHARIN Reg.No-83010222 submitted in the fulfillment of final semester of the B.SC (Physics) during the year 2020-2021 under the esteemed supervision of Sri K.Srinivasa Rao sir, N.Manjula Barathi, Government College for women (A), Guntur

K. Srinivasa Rao
Project Guide 08/8/21

K Srinivasa Rao sir

N. H. Bharathi
Head of the department

N.Manjula Barathi

Department of physics
Government College for women(A)
Guntur-52004
July-2021

SIMPLE TOUCH SENSOR

A project work submitted in fulfillment of requirements for degree of B.Sc(physics)

by

J.Anjali Reg.No:18302005

Under esteemed supervision of Sri. K.Srinivasa Rao, N.Manjula Bharathi mam



Department of physics

Government college for women (A)

Guntur - 522001

July -2021

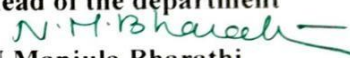
CERTIFICATE

This is to certify that this project work entitled "simple touch sensor" is bonafide record done by J.Anjali Reg.No:18302005 submitted in the fulfillment of final semester of the B.Sc (physics) during the year 2020-2021 under the esteemed supervision of Sri K.srinivasa Rao sir, N.manjula Bharathi mam, Government college for women (A), Guntur


Project guide

K.srinivasa Rao

Head of the department


N.Manjula Bharathi

Department of physics

Government college for women (A)

Guntur- 522001

July -2021

FIRE ALARM

**A PROJECT SUBMITTED IN FULFILLMENT OF REQUIREMENTS OF
DEGREE OF BSC (ELECTRONICS)**

BY

B.JYOTHNA RANI

(18305006)

Under esteemed supervision of K. Srinivasarao



**Department of Physics & Electronics
Government College for women (A)**

CERTIFICATE

This is to certified that this project work on FIRE ALARM" is a bonified done by
B.JYOSTHINARANI(18305006) fulfilment of final semester of BSC(ELECTRONICS)
during the year 2020-2021 under the esteemed supervision of sri. G.Sitha GOVENment
College for women(Q) Guntur.


PROJECT GUIDE

K.SRINIVASA RAO


PAPER INCHARGE

G.SITA


HEAD OF THE DEPARTMENT

Prof N .Manjula

DEPARTMENT OF PHYSICS AND ELECTRONICS
Govt. COLLEGE FOR WOMEN (AUTONOMOUS)

GUNTUR-522004

JULY 2021

AUTOMATIC SANITIZER DISPENSER

A PROJECT WORK SUBMITTED IN FULLFILMENT OF
REQUIREMENTS FOR DEGREE OF B.Sc(ELECTRONICS)

By

CH.PUITHA

(Reg.no:18305007)

under esteemed supervision of sri k.srinivasa Rao

smt.g.sita

PHYSICS &



DEPARTMENT OF
ELECTRONICS

GOVT.COLLEGE FOR

WOMEN(AUTONOMOUS)

ACHARYA NAGARJUNA UNIVERSITY

GUNTUR-522004

JULY-2021

CERTIFICATE

This is to certify that this project work entitled "**AUTOMATIC SANITIZER DISPENSER** " is a bonafied record done by 'CH.PUJITHA' submitted in the fulfillment of final semester of the B.Sc(Electronics), during the year 2020-2021 under the esteemed supervision of **sri.k srinivasa Rao,**
Govt.college for women,Guntur.

Project Guide Sri k srinivasa Rao

Head of the Department

Smt Manjula

DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR-522004

IR PROXIMITY SENSOR USING ONLY ONE TRANSISTOR

A PROJECT WORK SUBMITTED IN FULLFILMENT OF
REQUIREMENTS FOR DEGREE OF B.Sc(ELECTRONICS)

By

P.PADMA

(Reg.no:18305021)

under esteemed supervision of sri k.srinivasa Rao

smt.g.sita



DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY

GUNTUR-522004

JULY-2021

CERTIFICATE

This is to certify that this project work entitled "IR PROXIMITY SENSOR USING ONLY ONE TRANSISTOR" is a bonafied record done by P.PADMA(18305021) submitted in the fulfillment of final semester of the B.Sc(Electronics), during the year 2020-2021 under the esteemed supervision of sri.k srinivasa Rao, Govt.college for women, Guntur.

Project Guide
Sri k srinivasa Rao

Paper incharge
G.sita

Head of the Department
Prof. N. Manjula.

DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR-522004
JULY-2021

AUTOMATIC LED FLASHER USING 555 TIMER IC

A PROJECT WORK SUBMITTED IN FULLFILMENT OF
REQUIREMENTS FOR DEGREE OF B.Sc(ELECTRONICS)

By

K.Naga mounika

(Reg.no:18305014)

under esteemed supervision of sri k.srinivasa Rao
smt.g.sita



DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY

GUNTUR-522004

JULY-2021

CERTIFICATE

This is to certify that this project work entitled "AUTOMATIC LED FLASHER USING 555 TIMER IC" is a bonafied record done by K.Naga mounika(18305014) submitted in the fulfillment of final semester of the B.Sc(Electronics), during the year 2020-2021 under the esteemed supervision of sri.k srinivasa Rao, Govt.college for women,Guntur.

Project Guide
Sri k srinivasa Rao

Paper Incharge
G.sita

Head of the Department
Prof. N. Manjula

DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)

ACHARYA NAGARJUNA UNIVERSITY

GUNTUR-522004

JULY-2021

AUTOMATIC STREET LIGHT USING LDR

A Project Work Submitted In Fulfillment Of
Requirements For Degree Of B.Sc(Electronics)

BY

Goli: Sri Likhitha.

Regd.No:18305009

Under esteemed the super vision of Smt.G.Sitha

Sri.K.Srinivas Rao.



DEPARTMENT OF PHYSICS AND ELECTRONICS
GOVT. COLLEGE FOR WOMEN (AUTONOMOUS)
GUNTUR-522004
JULY-2021

CERTIFICATE

This is to certify that this project work entitled as "AUTOMATIC STREET LIGHT USING LDR" is a bonafide record done by Miss. Goli. Sri Likhitha (18305009) submitted in fulfilment of final semester of the B.Sc.(Electronics), during the academic year 2020-2021 under the esteemed supervision of Sri K.Srinivasa Rao, Government College For Women(A),Guntur

Project Guide	Paper Incharge	Head of the department
---------------	----------------	------------------------

K.Srinivas Rao

G.Sitha

Prof. N. Manjula

**DEPARTMENT OF PHYSICS AND ELECTRONICS
GOVT. COLLEGE FOR WOMEN (AUTONOMOUS)**

GUNTUR-522004

JULY-2021

AUTOMATIC WATER CONTROLEER USING 555IC

A Project Work Submitted In Fulfillment of
Requirements For Degree Of B.Sc(Electronics)

BY

Ontipuli.Nandhini

Regd.No:18305017

Under esteemed the supervision of Smt.G.Sitha

Sri.K.Srinivasa Rao.



DEPARTMENT OF PHYSICS AND ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
GUNTUR-522004
JULY-2021

CERTIFICATE

This is to certify that this project work entitled as "automatic water pump controller using 555IC" is a bonafide record done by Miss. Ontipuli.Nandhini (18305017) submitted in fulfillment of final semester of the B.Sc(Electronics),during the academic year 2020-2021 under the esteemed super vision of sri K.Srinivasa Rao,Government college for women(A),Guntur.

Project Guide

K. Srinivasa Rao

Paper Incharge

G.Sitha

Head of the department

Prof.N.Manjula

DEPARTMENT OF PHYSICS AND ELECTRONICS

GOVT. COLLEGE FOR WOMEN (AUTONOMOUS)

GUNTUR-522004

JULY-2021

IR SECURITY ALARAM

A PROJECT SUBMITTED IN FULFILLMENT OF REQUIREMENTS OF DEGREE OF
BSC(ELECTRONICS)

BY

S. Amulya

(18305025)

Under esteemed supervision of K. Srinivasa Rao



Department of Physics & Electronics

Government College for women (A)

Guntur-522004

August 2021-----Page Break-----

CERTIFICATE

This is to certified that this project work on "IR SECURITY SYSTEM" is a bonified done by S.Amulya (18305025). Submitted in the fulfilment of final semester of BSC(ELECTRONICS) during the year 2020-2021 under the esteemed supervision of sri. G.Sitha Government College for women(Q) Guntur.

Project Guide;

K. Srinivasa Rao.

G. Sitha.

Head of the Department :

PROF. MANJULA BHARATHI

Department of Physics & Electronics

Government College for women (A)

Guntur-522004

August 2021.....Page Break.....

Automatic Light Control System

A PROJECT WORK SUBMITTED IN FULLFILMENT OF
REQUIREMENTS FOR DEGREE OF B.Sc(ELECTRONICS)

By

T.SIVAPARVATHI

(Reg.no:18305029)

under esteemed supervision of smt.g.sita
sri k.srinivasa Rao



DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR-522004

JULY-2021

CERTIFICATE

This is to certify that this project work entitled " **Automatic Light Control System**" is a bonafied record done by **T.Sivaparvathi(18305029)** submitted in the fulfillment of final semester of the B.Sc(Electronics), during the year 2020-2021 under the esteemed supervision of **sri.k srinivasa Rao, Govt.college for women,Guntur.**

Project Guide
Sri k srinivasa Rao

paper Incharge
G.sitha

Head of the Department
Prof. N. Manjula

DEPARTMENT OF PHYSICS & ELECTRONICS
GOVT.COLLEGE FOR WOMEN(AUTONOMOUS)
ACHARYA NAGARJUNA UNIVERSITY
GUNTUR-522004

SIMPLE CLAP SWITCH

A project work submitted in the fulfilment of requirements for the
Degree of B.Sc (Electronics) by

AMANCHI SRAVANI

Regd. No –18305002

Under the esteemed supervision of **Smt. G.Sita, Sri K. Srinivasa Rao**



DEPARTMENT OF PHYSICS AND ELECTRONICS

Govt. COLLEGE FOR WOMEN (AUTONOMOUS)

ACHARYA NAGARJUNA UNIVERSITY

GUNTUR – 522004

JULY 2021

DECLARATION

I miss Amanchi Sravani, hereby declare that the project work entitled "SIMPLE CLAP SWITCH" submitted by me is original and it is not submitted in full part of my course or any other Institute or University.

PLACE: GUNTUR

DATE: 28-08-2021

A. Sravani

ELECTRICAL LIFT

A project work submitted in the fulfilment of requirements for the
Degree of B.Sc (Electronics) by.



EMANI MADHAVI

Regd. No – 18305008

Under the esteemed supervision of **Smt. G.Sita**

Sri K. Srinivasa Rao

DEPARTMENT OF PHYSICS AND ELECTRONICS

Govt. COLLEGE FOR WOMEN

(AUTONOMOUS)

ACHARYA NAGARJUNA

UNIVERSITY GUNTUR

522004

JULY 2021

CERTIFICATE

This is to certify that this project work entitled "ELECTRICAL LIFT" is a bonafide record done by EMANI MADHAVI (18305008) submitted in the fulfilment of final semester of the B.Sc (Electronics) during the year 2020 – 2021 under the esteemed supervision of Sri K. Srinivasa Rao, Government College for Women (A), Guntur.

PROJECT GUIDE

. K. Srinivasa Rao

PROPER INCHARGE

G. Sita

HEAD OF THE DEPARTMENT

Prof N. Manjula

**DEPARTMENT OF PHYSICS AND
ELECTRONICS Govt. COLLEGE FOR
WOMEN (AUTONOMOUS) GUNTUR –**

522004

JULY 2021

ELECTRIC DICE

**A PROJECT SUBMITTED IN FULFILLMENT OF REQUIREMENTS OF
DEGREE OF BSC(ELECTRONICS)**

BY

P.SHIRISHA

(18305020)

Under esteemed supervision of K. SrinivasaRao



Department of Physics & Electronics

Government College for women (A)

Guntur-522004

August 2021

CERTIFICATE

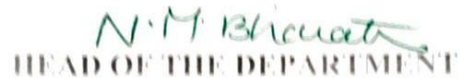
This is to certify that this project work on "ELECTRIC DIODE" is a bonified done by P.SURISHA(18303020) fulfilment of final semester of BSC(ELECTRONICS) during the year 2020-2021 under the esteemed supervision of sri. G.Sitha GOVERNMENT College for women(Q) Guntur.


PROJECT GUIDE

K.SRINIVASA RAO


PAPER INCHARGE

G.SITA


HEAD OF THE DEPARTMENT

Prof N .Manjula

DEPARTMENT OF PHYSICS AND ELECTRONICS

GOVT. COLLEGE FOR WOMEN (AUTONOMOUS)

GUNTUR-522004

JULY 2021

TOUCH LESS DOOR ALARM

**A PROJECT SUBMITTED IN FULFILLMENT OF REQUIREMENTS OF
DEGREE OF BSC(ELECTRONICS)**

BY

P.VASANTHA

(18305019)

Under esteemed supervision of K. SrinivasaRao



Department of Physics & Electronics

Government College for women (A)

Guntur-522004

August 2021

CERTIFICATE

This is to certify that this project work on "TOUCH LESS DOOR ALARM" is a bonafide done by P.VASANTHA(18305019) fulfilment of final semester of BSC(ELECTRONICS) during the year 2020-2021 under the esteemed supervision of stl. G.Sitha GOVERNMENT College for women(Q) Guntur.

PROJECT GUIDE

K.SRINIVASA RAO

PAPER INCHARGE

G.SITA

HEAD OF THE DEPARTMENT

Prof N .Manjula

DEPARTMENT OF PHYSICS AND ELECTRONICS

Govt. COLLEGE FOR WOMEN (AUTONOMOUS)

GUNTUR-522004

JULY 2021

AUTOMATIC SENSOR LIGHT

**A PROJECT SUBMITTED IN FULFILLMENT OF REQUIREMENTS OF
DEGREE OF BSC (ELECTRONICS)**

BY

P.DHANALAKSHMI

(18305018)

Under esteemed supervision of K. SrinivasaRao



Department of Physics & Electronics

Government College for women (A)

Guntur-522004

August 2021

CERTIFICATE

This is to certified that this project work on "AUTOMATIC SENSOR LIGHT" is a bonified done by P.DHANALAKSHMI (18305018). Submitted in the fulfilment of final semester of BSC(ELECTRONICS) during the year 2020-2021 under the esteemed supervision of sri. G.Sitha Government College for women(Q) Guntur.


PROJECT GUIDE
K.SRINIVASA RAO


PAPER INCHARGE
G.SITA


HEAD OF THE DEPARTMENT

Prof N .Manjula

DEPARTMENT OF PHYSICS AND ELECTRONICS
Govt. COLLEGE FOR WOMEN (AUTONOMOUS)

GUNTUR-522004

JULY 2021

MOTION SENSOR AUTOMATIC ROOM LIGHTING

A project work submitted in the fulfilment of requirements for the
Degree of B.Sc (Electronics) by

BHASKARI NAGA TRIVENI

Regd. No – 18305004

Under the esteemed supervision of **Smt. G.Sita, Sri K. Srinivasa Rao**



DEPARTMENT OF PHYSICS AND ELECTRONICS

Govt. COLLEGE FOR WOMEN (AUTONOMOUS)

ACHARYA NAGARJUNA UNIVERSITY

GUNTUR – 522004

JULY 2021

DECLARATION

I am Miss BHASKARI NAGA TRIVENI, hereby declare that the project work entitled "MOTION SENSOR AUTOMATIC ROOM LIGHTING" submitted by me is original and it is not submitted in full part of my course or any other institute or university.

PLACE: GUNTUR

DATE: 28-08-2021

B. Naga Triveni

AIR COOLER

A project work submitted in the fulfilment of requirements for the Degree of
B.Sc (Electronics) by

SHAIK SHABANA PARVEEN

Regd. No 18305024

Under the esteemed supervisor of **Smt. G. Sita , Sri K. Srinivasa Rao**



DEPARTMENT OF PHYSICS AND ELECTRONICS

Govt. COLLEGE FOR WOMEN (AUTONOMOUS)

ACHARYA NAGARJUNA UNIVERSITY

GUNTUR – 522004

July 2021

DECLARATION

I miss Shaik Shabana Parveen, here by declare that the project work entitled "AIR COOLER" submitted by me is original and it is not submitted in full part of my course or any other institute or university.

PLACE : GUNTUR

DATE :

Sk. Shabana parveen.

MINI POWER BANK

**A project work submitted in fulfillment of requirements
for degree of B. SC (physics)**

By

D.SRAVANI

(Reg. No:18301009)

Under esteemed supervision of

Sri. K. Srinivasa Rao

&

Dr.N.MANJULA BHARATHI



Department of physics

Government College for women (Autonomous)

Guntur-522001

July-2021

CERTIFICATE

This is to Certify that this project work entitled "MINI POWER BANK" is a bonafied record done by D.sravani Reg.No-18301009 submitted in the fulfillment of final semester of the B.SC (Physics) during the year 2020-2021 under the esteemed supervision of Sri K. Srinivasa rao , Dr.N.Manjula Bharathi Government College for women (A), Guntur


Project Guide

K. Srinivas Rao


Head of the department

N. Manjula Bharathi

Department of physics

Government College for women (A)

Guntur-522001

July -2021

Touch Switch

A project work submitted in fulfillment of requirements for
degree of B. Sc(physics)

By

Sk.khajabi

(Reg.no: 18302022)

Under esteemed supervision of Sri. K.SRINIVASA RAO

&

Dr.N.MANJULA BIHARATHI



Department of physics

Government College for women (Autonomous)

Guntur-522001

July-2021

CERTIFICATE

This is to Certify that this project work entitled "Touch switch" Is a bonafied record done by Sk.khajabi Reg.No-83010222 submitted in the fulfillment of final semester of the B.SC (Physics) during the year 2020-2021 under the esteemed supervision of Sri K.Srinivasa rao , Dr.N.ManjulaBharathi Government College for women (A), Guntur

K. 
Project Guide 28/8/21

K. Srinivasa Rao

Head of the department



N.Manjula Barathi

Department of physics
Government College for women (A)
Guntur -522001
July- 2021

Panic alarm

A Project work submitted in fulfillment of requirements for degree
B.Sc PHYSICS

By

R.S. VISHVA PRIYA (Reg.no 18010120)

Under esteemed supervision of Jt. A. Jeyaraman, V. Manjula Bhargava



Department of Physics
Government College for Women(A)
Gumur-522001

CERTIFICATE

This is to certify that this project work entitled "Panic Alarm" is a bonified record done by R.Sushma Priya Reg.no 18302020 submitted in the fulfilment of final semester of B.Sc (Physics)during the year 2020-21 under esteemed supervision of Sri K.srinivasarao ,V.Hemalatha,Government College for women(A),Guntur.

Project guide

K. Srinivasa Rao sir 

Head of the dept.


Dr. N. Manjula Bharathi

Department of physics

Government college for women(A)

Guntur-522001

Rain detector

A project work submitted in fulfilment of
requirements for degree of B. Sc (physics)

By

P.Sandhya

(Reg.no:18302017)

**Under esteemed supervision of Sri. K. Srinivasa
Rao ,N.manjula Barathi**



Department of physics

Government College for women (Autonomous)

Guntur-522004

July-2021

CERTIFICATE

This is to Certify that this project work entitled "Rain detector" Is a benefited record done by P.Sandhya Reg.No-18302017 submitted in the fulfillment of final semester of the B.SC (Physics) during the year 2020-2021 under the esteemed supervision of Sri K.Srinivasa rao sir, N.manjula Barathi mam, Government College for women (A), Guntur

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Project Guide

K .Srinivasa Rao sir


Head of the department

N.Manjula Bharathi mam

Department of physics
Government College for women(A)
Guntur-52004
July-2021



Govt. College for Women
(AUTONOMOUS) - GUNTUR. 1942 (Estd.)
College with Potential for Excellence

WARD COUNSELLING RECORD 2019-20

2756

Admission NO : Class : ☒ Bsc Mpes Hall Ticket No: 18302025

1. Name of the student : DHARANIKOTA. SRINAGA PRASANNA
2. Date of Birth (dd-mm-yy) : 26-05-2000
3. Father's Name : D. RAMBABU
4. Mother's Name : D. RAMADEVI
5. Parent's Occupation : WORKS IN SHOP
6. Annual Income : 75000/-
7. Aadhar No : 3307 8497 4807
8. Social Status : BC A
9. Marital status : No



10. Academic Record

- a) S.S.C. 82 : %
- b) Intermediate : 87.1 %
- c) Under Graduation marks in percentage (%)

Sem I - 81.8 %	Sem II 84.4 %
Sem III 86.1 %	Sem IV ----- %
Sem V ----- %	Sem VI ----- %

11. Progression: PG / JOB

12. Permanent address for Communication :

H.No: 19-15-222 Street/Village: Sivalayam street, Mandal: GUNTUR
District: GUNTUR Pin: 522003 Phone No: 8790154520 Mail Id: gcw18302025@gmail.com

13. Urban/Rural : Urban

14. Hostler/Days Scholar: Days scholar

15. Hobbies/Interests: Reading books,

16. Extra Curricular Activities / Committees involved : NSS

17. Details of merit scholarships received :

18. Formative and Summative Assessment:

Name of the subject	Mid-I	Mid-II	Sem - I,III,V	Mid -I	Mid-II	Sem- II,IV,VI	Overall Percentage
English	17	18	76				
physics	20	20	78	19 1/2			
sanskrit							
computer	18	19	83				
Maths	20	17	90				
Hindi	20	20	93				

19. Attendance

Month	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
No.of days Working	—	25	23	15	17	25				
No.of days attended	8	24	23	15	17	25				

20. COUNSELLING NOTES

Name of the Lecturer: Mr/Ms/Dr.

Designation: *

S.No	Date/Month	Area of counseling: Career/Academic/Personal (If any)	Signature of the Lecturer
1	July/August	Academic & personal	<i>[Signature]</i>
2	Sep/Oct	Academic	<i>[Signature]</i>
3	Dec/Jan	Academic & Career	<i>[Signature]</i>
4	Feb/Mar		

D. Sri Naga prasanna
Signature of Student

[Signature]
Signature of Teacher



Govt. College for Women
(AUTONOMOUS) - GUNTUR. 1942 (Estd.)
College with Potential for Excellence

WARD COUNSELLING RECORD 2019-20

Admission No : ²⁷⁷² Class : BSC Hall Ticket No: 18302029

1. Name of the student : YEKULA . STELLA PRASANTHI
2. Date of Birth (dd-mm-yy) : 03 - 10 - 2001
3. Father's Name : YEKULA . KRISHNA RAO
4. Mother's Name : YEKULA . VARDHANI
5. Parent's Occupation : KULI
6. Annual Income : 60,000
7. Aadhar No : 780131110270
8. Social Status : SC - Hindu mala .
9. Marital status : NOT married .



10. Academic Record

a) S.S.C. : 80 %

b) Intermediate : 80 %

c) Under Graduation marks in percentage (%)

Sem I --- 77 --- %

Sem II --- 77 --- %

Sem III --- 72 --- %

Sem IV --- %

Sem V --- %

Sem VI --- %

11. Progression: PG / JOB - JOB

12. Permanent address for Communication :

H.No: 37 - 10 - 1680 Street/Village: Aditya nagar . Mandal: Guntur .

District: Guntur . Pin: 522002 Phone No: 6304374687 . Mail Id: SCWG 18302029 @

13. Urban/Rural: URBAN .

gmail.com .

14. Hostler/Days Scholar: DAY SCHOLAR .

15. Hobbies/Interests: Reading stories , listening music .

16. Extra Curricular Activities / Committees involved : NSS

17. Details of merit scholarships received :

18. Formative and Summative Assessment:

Name of the subject	Mid-I	Mid-II	Sem - I,III,V	Mid -I	Mid-II	Sem- II,IV,VI	Overall Percentage
English	16	17					
Sanskrit	19	19					
Maths	19	20					
Physics	15	20		20			
Computer	10	10					




19. Attendance

Month	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
No. of days Working	9	25	23	15	17	25				
No. of days attended	9	23	20	13	16	25				

20. COUNSELLING NOTES

Name of the Lecturer: Mr/Ms/Dr.

Designation:

S.No	Date/Month	Area of counseling: Career/Academic/Personal (If any)	Signature of the Lecturer
1	July/August	Academic & Personal	
2	Sep/Oct	Academic	
3	Dec/Jan	Academic & Career	
4	Feb/Mar		

Y. Stella prasanthi
Signature of Student


Signature of Teacher



Govt. College for Women
(AUTONOMOUS) - GUNTUR. 1942 (Estd.)
College with Potential for Excellence

WARD COUNSELLING RECORD 2019-20

3909
Admission NO : Class : ABSC (HPS) Hall Ticket No: 15302009

1. Name of the student : DUNNIA SONTI PRIYA
2. Date of Birth (dd-mm-yy) : 03-05-1998
3. Father's Name : D. SUVARNA RAO
4. Mother's Name : D. VICTORIA
5. Parent's Occupation : Daily worker
6. Annual Income : 46,000/-
7. Aadhar No : 2818 5738 9056
8. Social Status : SC
9. Marital status : UNMARRIED



10. Academic Record

- a) S.S.C. : % 80
- b) Intermediate : 73%
- c) Under Graduation marks in percentage (%)

Sem I <u>69</u> %	Sem II <u>65</u> %
Sem III <u>64</u> %	Sem IV %
Sem V %	Sem VI %

11. Progression: PG / JOB

12. Permanent address for Communication :

H.No: 13-92 Street/Village: VEMURU Mandal: VEMURU

District: Guntur Pin: 522261 Phone No: 7675992214 Mail Id: Sonidunnia035@gmail.com
Reg 15302009

13. Urban/Rural :

14. Hostler/Days Scholar:

15. Hobbies/Interests: SINGING, PLAYING SHUTTLE

16. Extra Curricular Activities / Committees involved

17. Details of merit scholarships received : No

18. Formative and Summative Assessment:

Name of the subject	Mid-I	Mid-II	Sem - I,III,V	Mid -I	Mid-II	Sem- II,IV,VI	Overall Percentage
English	16	18	60				
Physics	10	18	85	15			
Chemistry	18	18	74				
Computer	12	15	64	15			
Maths	10	12	48	14			

19. Attendance

Month	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
No. of days Working	-	25	23	15	17	25				
No. of days attended	-	2	22	15	16	25				

20. COUNSELLING NOTES

Name of the Lecturer: Mr/Ms/Dr.

Designation:

S.No	Date/Month	Area of counseling: Career/Academic/Personal (If any)	Signature of the Lecturer
1	July/August	Academic & Personal	<i>[Signature]</i>
2	Sep/Oct	Academic	<i>[Signature]</i>
3	Dec/Jan	Academic & Career	<i>[Signature]</i>
4	Feb/Mar		

[Signature]
Signature of Student

[Signature]
Signature of Teacher

Electronics

Remedial Classes

2021

2018-2021 Batch.

III. B.Sc (MECS).

Electronics III. B.Sc

Hall-ticket S.NO.	Student Name
183050d.	A. Anitha 8106684127
5002	A. Sravani 9491654969
5003	B. Sandhya Rani 9573052067
5004	B. Naga triveni 9908871033
5006	B. Jyoshna Rani 7075699759
5007	C. Pujitha 9390274807
5008	E. Madhavi 8688799052
5009	G. SriLikhitha 9441185958
5011	K. Amrutha 6301090899
5012	K. Sruthi 9381700363
5013	K. Sireesha 9014898099
5014	K. Naga Mounika 9392858467
5017	O. Nandini 6303242689
5018	P. Dhana lakshmi 9346619144
5019	P. Vasantha 9391890348
5020	P. Sireesha 9398132087

Student Name

5021 P. Padma
9701358478

5023 S. Malleswari
8790025738

5024 SK. Shabana Parveen
7396448869

5025 S. Amulya
9441840999

5026 S. Bhagya Lakshmi
8886168166

5028 S. Ratna Kumari
8317696995

5029 T. Siva Parvathi
7569690804

Cluster Batch Electronics
8251 (A) Embedded Systems.

	Name of student	Marks Mid 1 (20)	S.T (10) (1)	ST (10) (2)	ST (3)	Mid 2 (20)
1.	A. Sravani	17	6	6	5	16
2.	B. Nagatirani	17	8	7	6	18
3.	B. Jyoshna Rani	16	7	6	7	17
4.	C. Pujitha	17	8	7	7	18
5.	E. Madhavi	16	4	5	6	17
6.	G. Sri Likhitha	17	8	8	7	18
7.	K. Naga Mounika	17	9	8	9	19
8.	O. Nandini	18	8	8	8	19
9.	P. Dhana Lakshmi	17	8	7	8	18
10.	P. Varantha	16	6	7	6	19
11.	P. Sireesha	18	7	7	7	18
12.	P. Padma	18	7	6	5	19
13.	S. Malleswari	-Ab-	5	-Ab-	4	-Ab-
14.	SK. Shabana	18	7	7	6	17
15.	S. Amulya	19	10	9	9	19
16.	T. Siva Parvathi	16	6	6	7	16

8251 (A2) Instrumentation

	Name of student	(mid1)	S.T (8)	S.T (3)	S.T (3)	(Mid2) (20)
		Marks ⁽²⁵⁾				
1.	Asravani	16	6	5	4	17
2.	B. Naga triveni	17	7	7	6	18
3.	B. Jyoshna Rani	15	6	7	6	18
4.	C. Pujitha	14	7	6	8	17
5.	E. Madhavi	17	8	4	8	18
6.	G. Sri l' khitha	17	6	7	8	19
7.	K. Naga Mounika	18	5	8	4	19
8.	O. Nandini	17	8	4	7	18
9.	P. Dhana lakshmi	18	7	7	6	19
10.	P. Vasantha	16	7	8	4	18
11.	P. Sireesha	17	8	9	7	18
12.	P. Padma	19	9	8	8	17
13.	S. Malleswari	-Ab-	6	4	-Ab-	-Ab-
14.	SK. Shabana	18	5	5	6	17
15.	S. Amulya	19	10	8	9	19
16.	T. Siva parvathi	17	6	7	6	17

Slow runners :-

1. S. Malleswari
2. P. Sravani

Average students :-

1. T. Siva parvathi
2. P. Vasantha
3. P. Sireesha
4. A. Sravani
5. B. Naga Triveni

Merit Students (fast ^(Learners) runners) :-

1. O. Nandini
2. K. Naga Mounika
3. P. Padma
4. S. Amulya
5. SK. Shabana
6. C. Pujitha
7. B. Tyoshna Rani
8. E. Madhavi
9. G. Sri likhitha

Electronic Instrumentation :

Slow runners (learners) 8/5 12/5 15/5 24/5 26/5 28/5

1. S. Malleswari	X	X	X	X	a	X
2. A. Sravani	Block diagram of ammeter	Block diagram of voltmeter	Block diagram of Measurement system	Resolution, Sensitivity	Desauty's bridge	Schering bridge

1. S. Malleswari	2/6	5/6	8/6	11/6	22/6	23/6	28/6	30/6
2. A. Sravani	X	X	X	a	X	X	X	a
	Voltage Controlled Oscillator	Anderson's bridge	function generator	Block diagram of pulse generator	P-H meter Explanation	Spectrophotometer	thermocouple	Application of PLCs

(Average learners)

1. T. Siva parvathi	8/5	12/5	15/5	24/5	26/5	5/6	8/6	11/6	28/6	30/6
2. P. Vasantha	X	X	a	X	X	X	X	X	X	X
3. P. Sireesha	X	X	X	X	X	X	a	X	X	X
4. A. Sravani	X	X	X	X	X	X	X	X	X	a
5. B. Naga Triveni	Measurement System	Block diagram of Ohm meter	Anderson's bridge	Pulse generator	Phase lock loop	Spectrophotometer	P-H-meter	Distributed Control system	thermocouple	thermistors

Fast learners :-

Given Project works :-

	12/5	24/5	28/5	2/6	5/6	11/6	22/6	30/6
1. O. Nandini	X	X	X	X	X	X	X	X
2. K. Naga Mounika	X	X	X	X	X	X	X	X
3. P. Sireesha	X	X	X	X	X	X	X	X
4. A. ^{Amulya} Savani	X	X	X	X	X	X	X	X
5. Sk. Shabana	X	X	X	X	X	X	X	X
6. C. Pujitha	X	X	X	X	X	X	X	X
7. B. Tyoshna Rani	X	X	X	X	X	X	X	X
8. E. Madhavi	X	X	X	X	X	X	X	X
9. G. Sri Likhitha	X	X	X	X	X	X	X	X

Measurement System
Block diagram

Volt meter block
diagram

Spectrophotometer

Ph-meter block
diagram features

Function generator

Pulse generator

Discussed about
Project work

Explained about
Project components

Embedded Systems

III. Bsc Electronics.

Slow learners :

	7/5	11/5	17/5	26/5	29/5	3/6	8/6	12/6	21/6	29/6
1. S. Malleswari	X	X	X	X	X	a	X	X	X	a
2. A. Sravani	X	a	X	X	X	X	X	X	X	X
	Custom single purpose processor	Watchdog timer	PC technology	Design technology	Architecture of general purpose processor	linker / loader	UART	Keypad controller	Arm, bus	USB, PCI

Average learners :

	7/5	11/5	17/5	26/5	3/6	8/6	12/6	21/6	29/6
1. T. Siva Parvathi	X	X	X	a	X	X	a	X	X
2. P. Vasantha	X	X	X	X	X	X	X	X	X
3. P. Sireesha	X	X	X	X	X	a	X	X	a
4. A. Sravani	X	X	X	X	X	X	X	X	X
5. B. Naga triveni	X	X	X	a	X	X	X	X	X
	PC technology	Design Protocol	Parallel Communication	Protocol wireless, Bluetooth	Stepper motor	Keypad controller	Pulse width modulators	linker / loader	Programmer's View

fast learners:

Given project works

1. O. Nandini : Automatic water controller using sensor.
2. K. Naga Mounkia :- Automatic LED flasher using IC (555) Timer.
3. P. Sireesha :- Electric Dice.
4. A. Amulya :- Infra red (ray) security alarm.
5. SK. Shabana :- Mini air cooler.
6. C. Pujitha :- Automatic Sanitizer Dispenser.
7. B. Tyoshna Rani :- Fire Alarm using sensor.
8. E. Madhavi :- Electric lift.
9. G. Sri Likhitha :- Automatic street light using LDR.