

GOVERNMENT DEGREE COLLEGE

BARUVA ,SRIKAKULAM DISTTRICT

DEPARTMENT OF PHYSICS

CERTIFICATE COURSE

IN

HOUSE WIRING

Department Incharge

T .RAJENDRA PRASAD

M.Sc , B.Ed

LEC IN PHYSICS

GOVRNMENT DEGREE COLLEGE

BARUVA

Course Trainer

T .Kiran kumar

IT I (ELECTRICAL), Diploma



From

To

The Lecturer In-charge

The principal,

Dept. of physics

Govt Degree College, Baruva


Sir,


Sub: Certificate course on House Wiring-permission- reg.

With reference to the subject mentioned, department of physics is planning to conduct a certificate course on House Wiring in this academic year. Theory and practical classes for the said course will be held after or pre college hours for about 30 i.e., 1/12/2021 to 30/12/2021 days.

Therefore, due permission may kindly be accorded with necessary cooperation to conduct the same.

Thanking you sir,


Signature of Principal
Date: 27/11/2021
PRINCIPAL
Govt Degree College,
BARUYA, Srikakulam (Dist)


Signature of Department
In-Charge

Resolutions:

The members present discussed the syllabus for the Certificate course in Physics with the title "Certificate course in Household electrical wiring" for the Interested students in Physics for the benefit of gaining Life skills and supporting over all development of an individual. They proposed the following resolutions:

- Resolved to approve the syllabus for the Certificate course in Physics.
- Resolved to approve the pattern of question paper set for the course and its blue print.
- Resolved to approve the Certificate course to be conducted for 30 days @ 1 hour/day.
- Resolved to approve the Assessment of 10+50 marks (External exam =50, Entrance test=10) for the Certificate course.
- Resolved to approve the pattern of essay questions set for the sake of Assessment of a student.
- Resolved to approve the External Assessment with a question paper of 5 essay descriptive Questions out of 8 for the End exam @ 10 marks each totaling to 50 marks with 2 hours.
- Resolve to approve the Internal Assessment with a question paper multiple choice questions for the Entrance exam @ 10 marks with 1 hour duration.
- Resolved to approve to follow a minimum of 75% attendance for the students to attend the written Examination for Assessment.
- Resolved to follow strict evaluation of the Answer scripts for awarding marks and certificates to the students.
- Resolved to approve the pass percentage at 40%.

Approved.

Lee in physics

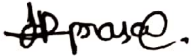
GOC, Rarua

Baruva

Date:29/11/2021 .

CIRCULAR

The department of physics Govt. Degree College, Baruva is planning to conduct a Certificate course in "House Wiring". The students, who are interested in this certificate course, are informed to enroll their names to the in charge of the Department of physics. Certificate will be issued to the students after completion of the course with 75% of attendance.



Signature of the

Department Incharge



signature of the
PRINCIPAL
Govt Degree College
BARUVA, Srikakulam (Dist)

**DPARTMENT OF PHYSIC
CERTIFICATE COURSE
IN HOUSE WIRING**

Course Structure

- 1. Theory : 20 hours**
- 2. Hands on experience : 10 hours**
- 3. Entry test : 10 marks**
- 4. Final test : 50 marks**
- 5. Grading : A, B, C & D**

AP prasad.
Dept. Incharge

SYLLABUS

MODULE I -Fundamentals of electricity-safety measures and precautions, first aid tools and equipment (10 hours)		
1.	Fundamentals of electricity-safety measures and precautions, first aid Tools and equipments	<ul style="list-style-type: none"> • Safety handling Tools & Equipment (Fire Fighting and use of fire extinguishers). • Electric conductor , insulator and resistance . • Fire in electrical Circuits & precautions . • General Safety of Tools & equipments .
2.	Testing procedure of voltage and current, Importance of Earthing	<ul style="list-style-type: none"> • Definition and testing procedure of voltage current , power , MCB and bus bars . • Earthing Connection , Different earthing systems
MODULE-II{ Basic Electrical circuits -5 hours}		
1.	Basic Electrical circuits, Wiring & installation	<ul style="list-style-type: none"> • Serial connection-diagram . • Series and Direct Board different types
MODULE-III {Wiring & installation -5hours}		
1.	Different types of electrical wiring & installations	<ul style="list-style-type: none"> • Two way switch-wiring . • Lodge wiring / go down wiring . • Theatre wiring / master switch wiring . • Hospital wiring / room wiring . • 3 phase wiring .

[Handwritten Signature]

Course co-ordinator

GOVERNMENT DEGREE COLLEGE, BARUVA

Department of Physics

"Certificate Course on House Wiring"

Entry Level Test

Time: 30 Minutes

Max. Marks: 10

**Answer All the following Questions
Each question carries 1 mark. (10 marks)**

1. Electrical injuries are commonly caused by []
 - a) Unsafe equipment or installations
 - b) An unsafe environment
 - c) Unsafe work practices
 - d) All of the above

2. What we do in first action to be taken , in case of an electric shock?

[]
 - a) Call to doctor
 - b) Take support to other
 - c) Switch OFF the electric power
 - d) Call to ambulance

3. A person qualified to perform electrical work must possess []
 - a) Skills/techniques to distinguish live parts from other parts of electrical equipment
 - b) Skills and techniques to determine the nominal voltage of exposed live parts
 - c) Knowledge on the use of PPE , insulating and shielding materials, and insulated tools
 - d) All of the above



4. Which step is followed for treating a person from an electric shock? []
- a) Provide water
 - b) Keep the victim cold
 - c) Cover the victim with a coat
 - d) Move the victim to a ventilated place
5. What is current? []
- a) Flow of Neutrons
 - b) Flow of Electrons
 - c) Flow of Protons
 - d) Flow of Resistance
6. Which is produced by AC generator []
- a) Direct current
 - b) Positive current
 - c) Alternating current
 - d) Negative current
7. What is the unit of current? []
- a) Ampere
 - b) Volts
 - c) Ohms
 - d) Ammeter
8. Conductors offer little resistance to the flow of electric current.
(TRUE / FALSE)
9. Electrical shock can cause damage to tissue, muscle, and internal organs.
(TRUE/FALSE)
10. Grounding conductors are usually black in colour. (TRUE / FALSE)

AP prasad.

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GOC, Barua



GOVERNMENT DEGREE COLLEGE

BARUVA

Department of physics

"Certificate course on House Wiring"

Question Paper

Time: 1 Hour

Max. Marks:50

Answer any 5 of the following Questions

Each question carries 10 marks

(5X10=50)

1. What is MCB? Write its uses.
2. What is the use of fire extinguishers?
3. Define electric conductor and insulator?
4. What are the causes for electrical short circuits?
5. What is the importance of earthing in home?
6. What are single phase and three phase wiring connections?
7. What are series and parallel wiring connections?
8. Distinguish between AC and DC?

The principal

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Govt. Baruva

[Signature]
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BARUVA, Srikakulam (Dist)

List of student enrolled for Certificate course

SI.NO	GROUPS	MEDIUM	REGD NO.	NAME OF THE STUDENTS
1.	MPC	EM	2022006052004	B . Premanand
2.	MPC	EM	2022006052005	B . Harathi
3.	MPC	EM	2022006052012	B . Divya
4.	MPC	EM	2022006052013	B . Yashoda
5.	MPC	EM	2022006052016	Chenna Ramani
6.	MPC	EM	2022006052023	M . Vinod Kumar
7.	MPC	EM	2022006052032	Niranjana Behera
8.	MPC	EM	2022006052034	Pandit Mithun
9.	MPC	EM	2022006052040	Raghava Behera
10.	MPC	EM	2022006052041	R . Sravani
11.	MPC	EM	2022006052042	R . Gowtami
12.	MPC	EM	2022006052044	S . Vasu
13.	MPC	EM	2022006052048	S . Lingaraj
14.	MPC	EM	2022006052054	U . Sidharth Pradhan
15.	MPC	EM	2022006052055	Vasuprlli Kishore

Appana

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Award Sheet


SI. NO	REGD NO.	NAME OF THE STUDENTS	MARKS	GRADE
1.	2022006052004	B . Premanand	47	A
2.	2022006052005	B . Harathi	48	A
3.	2022006052012	B . Divya	41	B
4.	2022006052013	B . Yashoda	39	C
5.	2022006052016	Chenna Ramani	46	A
6.	2022006052023	M . Vinod Kumar	40	C
7.	2022006052032	Niranjana Behera	48	A
8.	2022006052034	Pandit Mithun	44	B
9.	2022006052040	Raghava Behera	48	A
10.	2022006052041	R . Sravani	39	C
11.	2022006052042	R . Gowtami	38	C
12.	2022006052044	S . Vasu	38	C
13.	2022006052048	S . Lingaraj	48	A
14.	2022006052054	U . Sidharth Pradhan	48	A
15.	2022006052055	Vasuprlli Kishore	48	A

Premanand .

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(Affiliated to Dr. B.R. Ambedkar University, Srikakulam Dist.)

Department of English

COURSE COMPLETION CERTIFICATE

AISHE - C-24892

This is to certify that Mr/Ms. Chenna. Ramani, MPC, English Medium with Regd.No. 2022006052016 completed the 30 days Certificate Course in 'HOUSE WIRING' held from 01/12/2021 to 30/12/2021 at Government Degree College, Baruva

Course Coordinator

M. Prasad

Sec. in Physics

Govt Degree College

Baruva

P. Prasad
Principal

Govt Degree College,
BARUVA, Srikakulam Dist.





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Department of English



COURSE COMPLETION CERTIFICATE

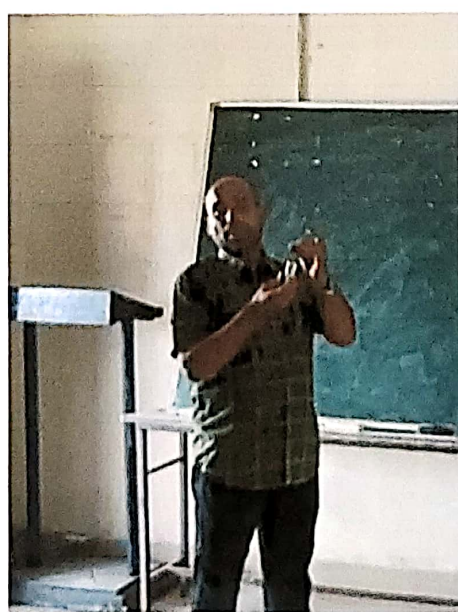
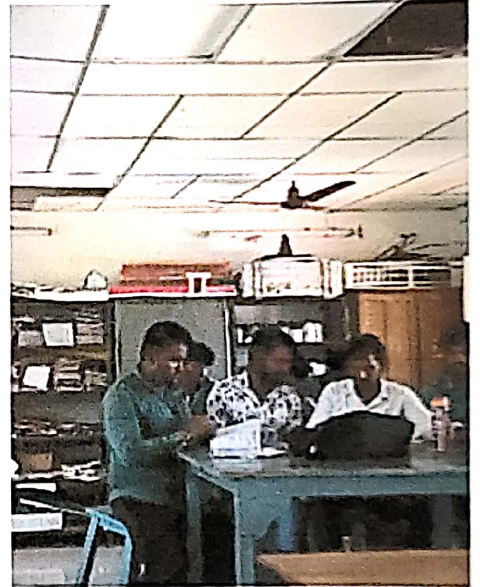
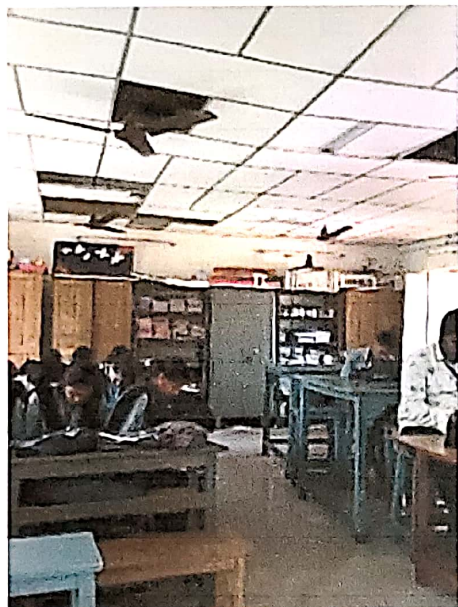
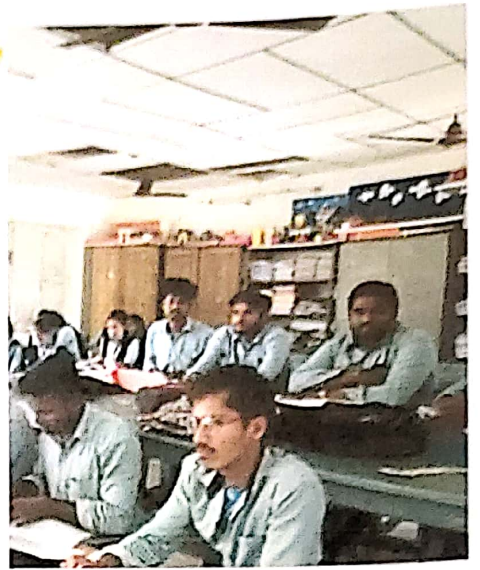
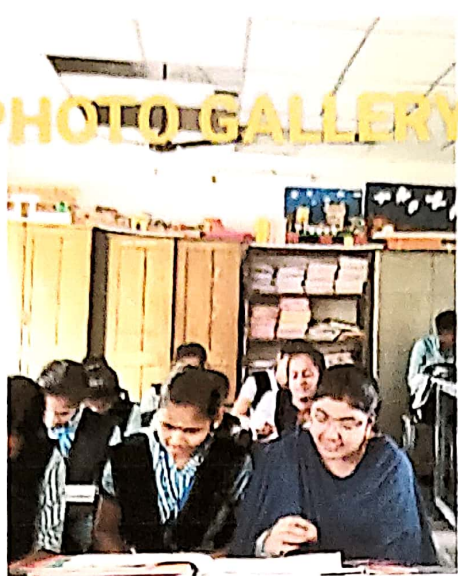
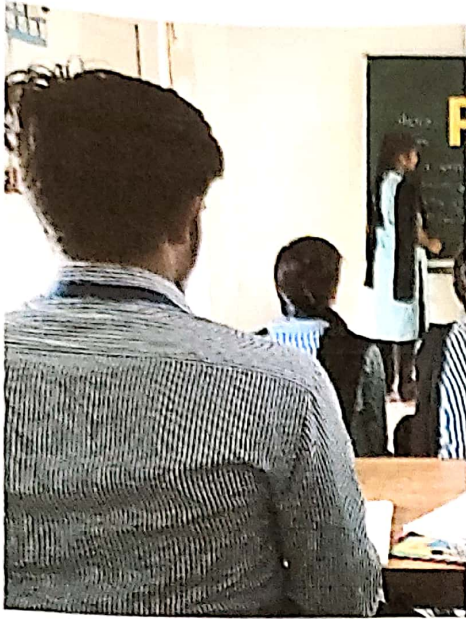
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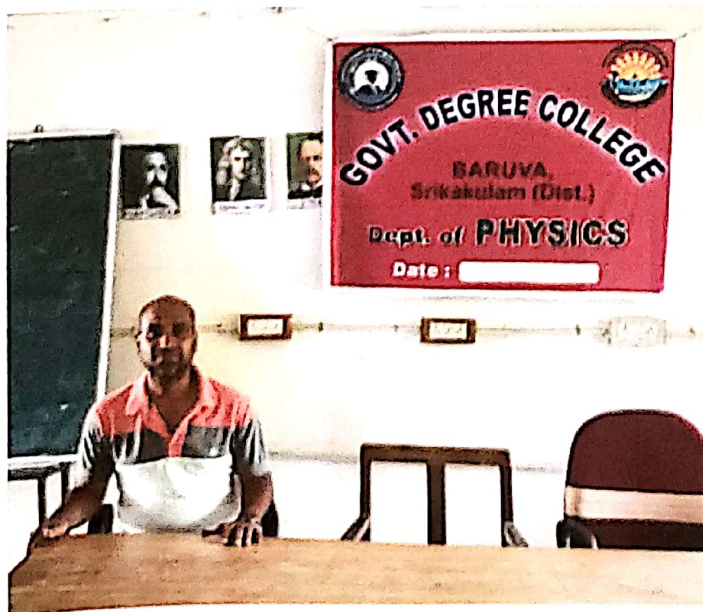
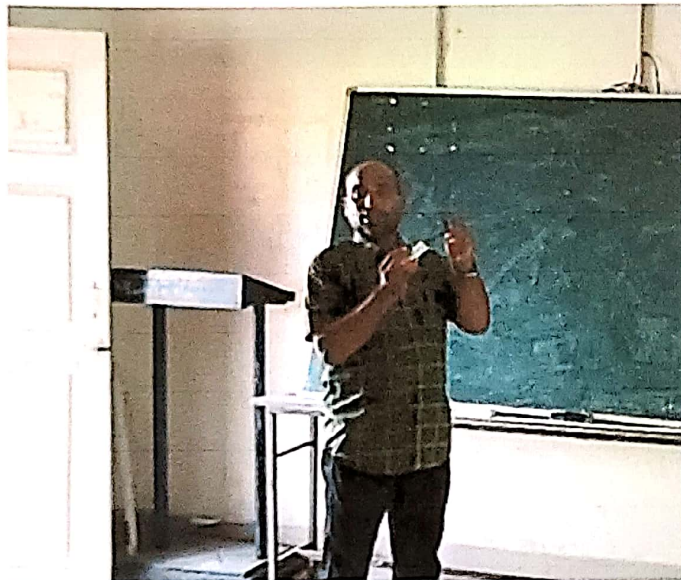
This is to certify that Mr/Ms. . B Divya , MPC, English Medium with Regd.No. 2022006052013 completed the 30 days Certificate Course in 'HOUSE WIRING' held from 01/12/2021 to 30/12/2021 at Government Degree College, Baruva

Course Coordinator

Principal

PHOTO GALLERY






A Brief Report

The Department of Physics , Government Degree College , Baruva , conducted a Certificate course in House Wiring for Students of the college from 01-12-2021 to 30-12-2021(30 Hours) .

Initially the Department of Physics met the Principal to seek approval of the Syllabus for the Certificate Course . The Principal scrutinized the Syllabus and permitted to conduct the course and suggested to conduct an entry level test for Students.

The entry level test was conducted on 30-11-2021 to assess the knowledge of students in the basics of Electricity and Electric Tools. Every day from 3p.m to 4p.m classes were held for students to complete the course. Some practical sessions were also conducted to give practical experience for the student. The Principal frequently visited the classes and assessed the knowledge acquired by the student. A total of fifteen students were participated in the Certificate course.

On the final day, theory examination for 50 marks was conducted under the supervision of principal and Physics Department in-charge. The results were published and certificates were issued.


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