

GOVERNMENT DEGREE COLLEGE
KARVETINAGARAM, CHITTOOR (DT), A.P.



Certificate Course

On

HOUSE ENERGY AUDIT

Organized by

Department of Physics



GOVT. DEGREE COLLEGE, KARVETINAGARAM, CHITTOOR DIST.

Date: 02-05-2022
Karvetinagaram

CIRCULAR

All the second and Final year B.Sc students are hereby informed that the Department of Physics is going to commence a certificate course on “**House Energy Audit**” from 6th May 2022 in the afternoon sessions.


Duration of the Course: Two months only

Course Fee: Free of cost

For further details contact M. Rajasekhar, Department of Physics



Lecturer- incharge


PRINCIPAL
Govt. Degree College
KARVETINAGAR - 517582
Chittoor Dt. A.P.
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CERTIFICATE COURSE BROCHURE



**GOVTMENT DEGREE COLLEGE
KARVETINAGARAM
CHITTOOR DIST. AP. 517582**



Certificate Course
on

HOUSE ENERGY AUDIT

Eligibility	:	All B.Sc (MPC& MPCs)
Registration Fee	:	Free
Registration Start	:	02-05-2022
Registration End	:	05-05-2022
Duration of Course	:	Two Months
Course Start	:	06-05-2022

Organized by
Department of Physics

GOVT. DEGREE COLLEGE, KARVETINAGARAM, CHITTOOR DIST

Certificate Course on "House Energy Audit"

SYLLABUS

Total: 30 hours

Unit- 1:


Volatage, Current, Resistance, Capacitance, Inductance, Electrical Conductors and Insulators, Ohm's law, Series and Parallel Combinations of resistors, Galvanometer, Ammeter, Voltmeter, Multimeter, Transformers

Unit – 2:

Direct Current and Alternating Current, Single phase and three phase connections, Basics of house wiring, Electric shock, First aid for electric shock, Overloading, Earthing and its necessity, Short circuiting, Fuses, MCB.

Unit- 3:

Electrical Energy, Power, Kilowatt hour(KWh), Power values of different electrical appliances, Calculation of consumption of electrical power.


Lecturer in Physics
Govt. Degree College
Karvetinagaram - 517 882
Chittoor (Dist.)
06/5/22

GOVT. DEGREE COLLEGE, KARVETINAGARAM, CHITTOOR DIST.

**DEPARTMENT OF PHYSICS
INAUGURATION FUNCTION FOR CERTIFICATE COURSE
“HOUSE ENERGY AUDIT”**



V. Balambh
Lecturer in Physics
Govt. Degree College
Karvetinagaram - 517 582
Chittoor (Dist.)
06/5/22

GOVT. DEGREE COLLEGE, KARVETINAGARAM, CHITTOOR DIST.
DEPARTMENT OF PHYSICS – 2021-22

Certificate Course on “HOUSE ENERGY AUDIT”

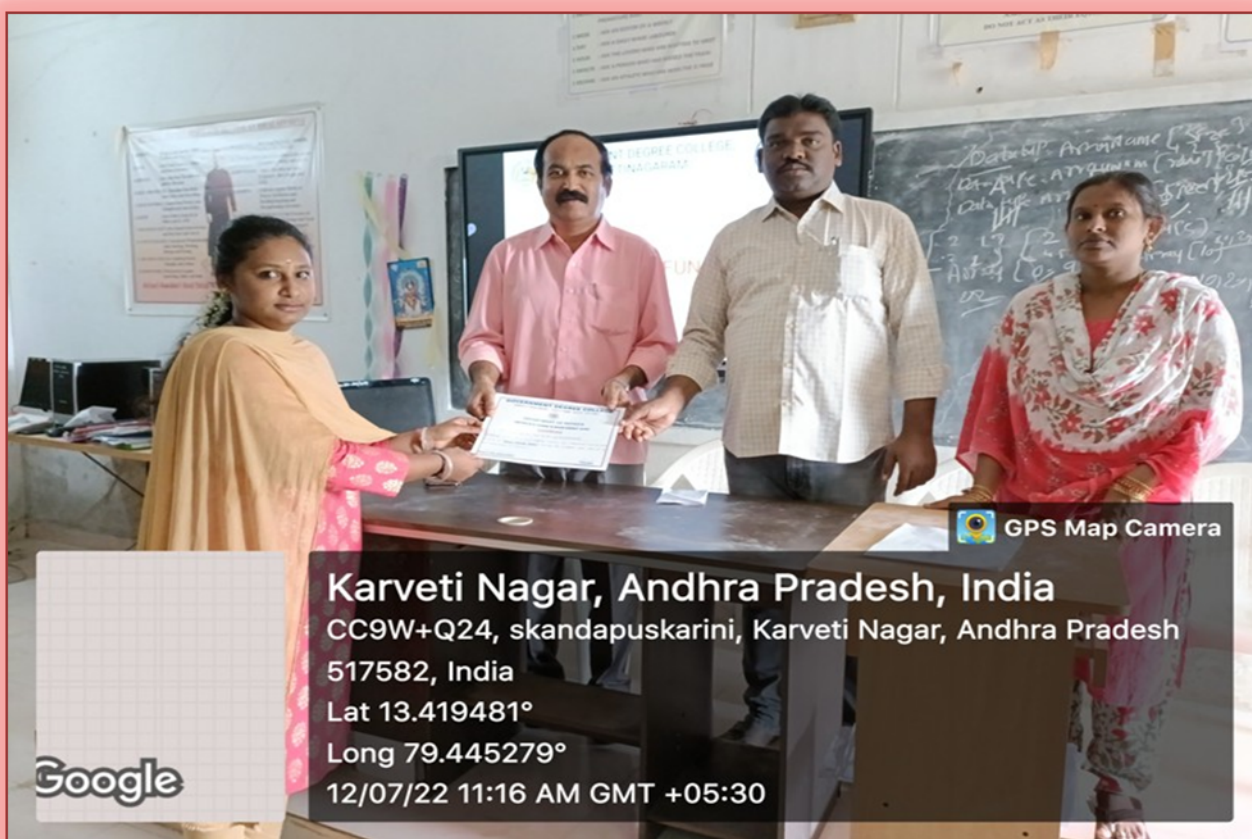
List of Student:

S.No.	Name of the Student	Class
1	MITTAPALLI RAVIKUMAR	III B.Sc(MPC)
2	NALIPI REDDY LOKANA DHA REDDY	III B.Sc(MPC)
3	NARAYANAVANA M VAJRAVELU	III B.Sc(MPC)
4	NARLAKATTA HEMALATHA	III B.Sc(MPC)
5	NEELAM CHANDINI PRIYA	III B.Sc(MPC)
6	NELLEPELLI LOKESH	III B.Sc(MPC)
7	P G KARTHIK	III B.Sc(MPC)
8	PATNAM BHAVYA	III B.Sc(MPC)
9	POKALA CHOLIKA	III B.Sc(MPC)
10	POMKKAM RAMA CHANDRA MAHESH	III B.Sc(MPC)
11	PONNALA CHENDU	III B.Sc(MPC)
12	POTHA SONIA	III B.Sc(MPC)
13	PUJALI SAMUVELU	III B.Sc(MPC)
14	PUNDERI OOHA	III B.Sc(MPC)
15	SATHRAWADA SIREESHA	III B.Sc(MPC)
16	DEEPITI KARTHIK	II B.Sc(MPCs)
17	MELAPUDI SWARNAMALA	II B.Sc(MPCs)
18	SINGANI SARANYA	II B.Sc(MPCs)
19	VARAMPATI GANESH	II B.Sc(MPCs)
20	CHAVARAMBAKAM MANOJ	II B.Sc(MPCs)

Brief Report on
Certificate course on “HOUSE ENERGY AUDIT”

A certificate course on House Energy Audit was inaugurated on 6th May 2022 in this college by the principal Dr. S. Vijuyulu Reddy. The course duration was two months. This course was run free of cost to the student by the Department of Physics. The course was run by Dr. V. Balasubramanyam Achari and Sri. M. Rajasekhar. The course was conducted one hour per day including Practical's. Twenty students are enrolled in this course.

After completion of the course, Certificates were distributed to the students on 12-07-2022.



Certificate Distribution for “House Energy Audit” Certificate Course



Certificate Distribution for “House Energy Audit” Certificate Course

Outcomes of House Energy Audit:

The House Energy Audit will provide you with a complete electricity consumption and energy efficiency assessment.

The students have recommended some of the best saving tips by which they can save electrical energy and tariff without any investment by proper utilization and also reduce the tariff in their bills. These are some important tips to save energy at home.

- ❖ Unplug and switch off the entire electrical device of appliance that is not in used to reduce no-load losses.
- ❖ Clean the light fixtures regularly as a heavy coat of dust can block 50% of light output.
- ❖ Clean the fans regularly as heavy coat of dust in fan blades reduces motor efficiency and output.
- ❖ Set your refrigerators regularly and don't leave your fridge open 30% of cool air get escape as well as in microwave hot air is escaped.

- ❖ Run the washing Machine with full load.
- ❖ Clean the air conditioner dust and filter regularly to reduce the power consumption and increase cooling.
- ❖ Use the heavy load appliances in non-peak load conditions.
- ❖ It is suggested for replacement of Tube lights with Led lights.
- ❖ Recommended the use of different methods of Renewable energy sources, Tree Plantation around the building and changes in the installation procedure for an effective, efficient, Cleaner and greener environment.

V. Balambur
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