

॥ पढमं नाणं तओ दया ॥



**SHRI JAIN VIDYA PRASARAK MANDAL**  
**ADHYAPAK MAHAVIDYALAYA**  
**CHINCHWAD, PUNE-33**  
**20 - 20**

**WORKBOOK OF ICT INTEL PROGRAM**  
**(B.Ed. COURSE 111-A)**

**माहिती संप्रेषण तंत्रज्ञान प्रात्यक्षिक नोंदवही**

1. Name of the Student kamble karishma Roll No. 34

2. Name of the Student kadam smita Roll No. 33

Prof. in Charge Asst. prof. Amar papal sir.

*Seen*  
*3/11/23*  
*papal sir*

॥ पढमं नाणं तओ दया ॥



**SHRI JAIN VIDYA PRASARAK MANDAL  
ADHYAPAK MAHAVIDYALAYA**

CHINCHWAD, PUNE - 33

2022 - 2023

**WORKBOOK OF ICT INTEL PROGRAM  
(B.Ed. COURSE 111-A)**

1. Name of Student: Kambale Karishma Milind

Roll No.: 34

2. Name of Student: Kadam Smita

Roll No.: 33

Subject: ICT.

Topic: Electricity crisis

Standard: 8 to 12

Prof. in-Charge : Asst. prof Amar Papai Sit

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**SHRI JAIN VIDYA PRASARAK MANDAL'S COLLEGE OF EDUCATION  
CHINCHWAD, PUNE-33**

**PRACTICAL BED 111: A) CRITICAL UNDERSTANDING OF ICT.  
(ICT INTEL PROGRAM)**

Name of Student: Kamble Katishma milind

Roll No.: 34

**EVALUATION SCHEME**

Rating Scale ; 1) Unsatisfactory 2) Satisfactory 3) Average 4) Good 5) Excellent

No	Criteria	1	2	3	4	5
1	Unit plan Template				✓	
2	Exploration (Collection of images, sounds, videos etc.)				✓	
3	Student support material land publication on PBL					✓
4	Teachers Presentation to gauge the student's Needs					✓
5	Student presentation / Blogs / Publisher / Wikis				✓	
6	Implementation Plan				✓	
7	Evaluation rubric to assess PPT / Blogs / Publisher / Wikis				✓	
8	Showcasing				✓	
9	Workbook				✓	
10	Overall Impression				✓	
	<b>Total Marks = 50</b>				42	
	<b>Total Marks = 25</b>				21	

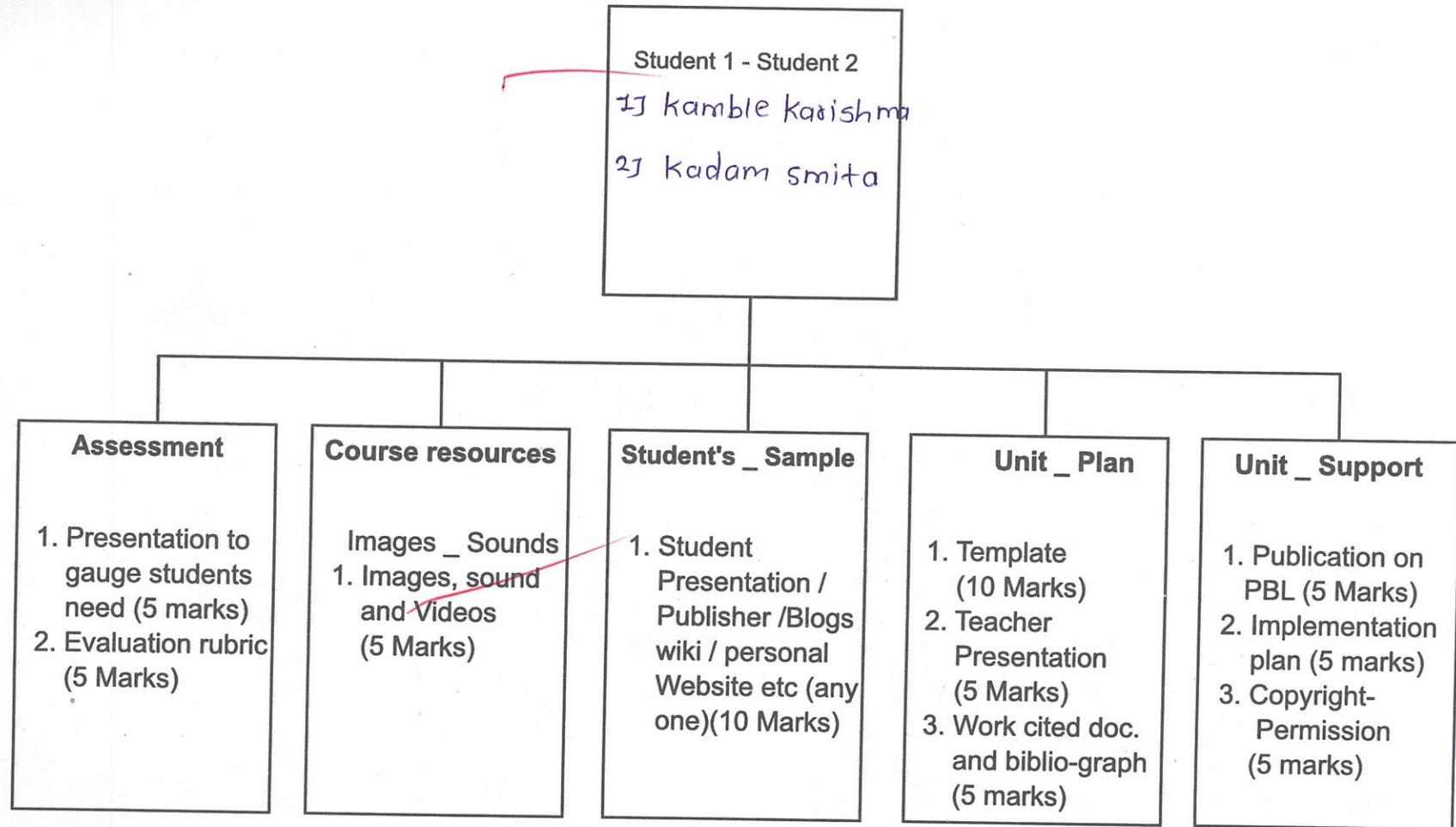
Twentyone  
@amr

Date 05/06/23

Signature of Professor In-charge  
@amr  
Rajendra

SHRI JAIN VIDYA PRASARAK MANDAL ADHYAPAK  
MAHAVIDYALYA CHINCHWAD, PUNE - 33

T.B.T.  
FOLDER PORTFOLIO



# Portfolio Checklist

Completed	Unit portfolio Component	Saved In	Started In
<input checked="" type="checkbox"/>	Unit Plan	Unit_Plan folder	Module 1 developed throughout all modules)
<input checked="" type="checkbox"/>	Work Cited Document	Portfolio folder	Module 3
<input checked="" type="checkbox"/>	Work Cited Document	Unit_Plan folder	Module 4
<input checked="" type="checkbox"/>	Student sample (presentation, publication, web - based resource )	Unit_Sample folder	Module 5
<input checked="" type="checkbox"/>	Assessment to gauge student needs Student sample assessment Other assessments (optional)	Assessments folder	Module 6
<input checked="" type="checkbox"/>	Assessment to foster self-direction and metacognition, such as project plans, checklist, conference questions, and reflective prompts.	Assessments folder	Module 7
<input checked="" type="checkbox"/>	Document (s) to scaffold student content learning, such as guidelines, forms, and templates	Unit_support folder	
<input checked="" type="checkbox"/>	Facilitation Material	Unit_support folder	Module 8
<input checked="" type="checkbox"/>	Unit Portfolio for showcase	Portfolio folder	Module 9

# Portfolio Checklist

Remember that you are creating your sample as if you were a K-12 student. Think about what you want to include in your presentation and list your ideas below. Consider the age of the students for whom you are creating the unit and the type of content you would want learning objectives will be achieved.

## Overall goal:

To create awareness about Electric crisis

## Title of my student presentation :

Electricity crisis

## Topic and reference materials I will research on the Internet:

www.google.com    www.wikipedia.com  
www.youtube.com

## Other project elements that will need to be incorporated into my student presentation :

(For example, survey results, blog reflections, communication with experts or other students / Classroom, analysis of data contained in spreadsheets or database)

## Other resources I will use to support the creation of my student presentation :

(For example., multimedia encyclopedias.testbook, other printed resources) Audio;  
photos, video etc.

## To achieve targeted student learning objectives, my student presentation will include :

Description of a project including purpose, materials, procedure, results:

- Hypothesis:
- Proposal Or Plan For:
- Interpretation Of:
- Justification / Contrast Of:
- Comparison / Contrast Of:
- Evaluation Of:

## Student Presentation

Unit Title: Electricity crisis.

1. Name Kamble Kaishma

Roll No 34

1. Name Kadam smita

Roll No. 33

Prof. in Charge - Amar papal sir.

Agenda :

- meaning and defination.
- major source of electric crisis in our Country
- Impacts
- control and Reduction.
- To suggest the various remedies.

\* Meaning and defination -

An energy crisis is any significant bottleneck in supply of energy resources to an economy. In literature, it often refers to one of the energy sources used at a certain time and place, those that supply national electricity grids or those used as fuel in industrial development and population growth have led to a surge in the global demand for energy.

Causes of electricity crisis -

- ① over population.
- ② over consumption of electricity
- ③ misuse of electricity.
- ④ poor infrastructure.
- ⑤ Low popularity of renewable energy.
- ⑥ wastage of fossil fuel.
- ⑦ war
- ⑧ Terrorism.

\* Effect of electricity crisis

- Energy crisis badly affects on education.
- Great effect on Industries
- Effects on economy.
- Higher electricity prices.
- Effect on agriculture.
- unemployment increased.

\* Effect on Common people

- Load shedding.
- The demand of electricity exceeds supply and hence load shedding is common phenomenon through frequent power shutdown.

## \* Energy crisis Impact on the economy -

Energy is pivotal for running all other resources and crisis of energy directly influences all other sectors of the economy.

## Impact on Society .

- Imported oil and coal.
- shortage of natural gas
- Increased prices.
- Dependent on other countries .
- less agriculture production.

## possible solution for energy crisis :-

- 1) move towards renewable resources.
- 2) Buy energy efficient products
- 3) Lighting controls.
- 4) Easier grid access.

5) Energy simulation.

6) perform energy audit.

7) Common stand on climate changes.

## \* How to prevent energy crisis -

setting up of pit head power plants is vital, as ensure steady supply of coal and reduce logistics costs.

'Reforms' and performance are among the most commonly used term by power that be.

## \* Some examples -

climate change induced demand surge.

stockpiles at the coal based thermal power plants fell short despite this increase in domestic coal production, which touched 201 gigawatts in April 2022

## Unit Foundation

First and Last Name Karishma Milind Kamble.  
School Name: shree Jain vidya prasarak Mandai's  
School City: college of education - chinchwad pune.

## Unit Overview

### Unit Title

Electricity crisis

### Unit Summary

To creat awareness about electricity crisis

### Subject Area

science, geography, language.

### Class Level

8th to 10th

### Approximate Time Needed

90 days.

## Unit Foundation

### Targeted Syllabus Guidelines

- 1) To create awareness in students about electricity crisis.
- 2) Teacher introduced energy crisis effects in our society.
- 3) To create awareness in society about energy crisis / electricity crisis.
- 4) students analyze electricity crisis.
- 5) students collect information about electricity crisis by various sources.
- 6) few students of 10th std were visited to. MSEB office. There they gathered information about electricity crisis from MR. Chougale.

### Student Objectives / Learning Outcomes

- \* Knowledge :- student tell what is electricity crisis.
- \* understanding - student explain the causes and effects of electricity crisis.
- \* Application - student suggest remedies to control the electricity crisis.
- \* Skill - student collects more information about electricity crisis from internet

### Curriculum - Framing Questions

<b>Essential Question</b>	1. what are the problems obtained from electricity crisis in our Day today life?
<b>Unit Questions</b>	1. what are the causes of electricity crisis? 2. How can electricity crisis be controlled?
<b>Content Questions</b>	1. what is electricity crisis? 2. what are the types of electricity crisis? 3. what are common characteristics of electricity crisis? 4. How will you solve this problem? 5. what role can the media play in tackling electricity crisis?

# Electricity Crisis

## K-W-L Chart

Name:- Karishma Kamble, Smita Kadam

<span style="color: yellow; font-weight: bold;">Topic:-</span> Electricity crisis		
<span style="font-size: 2em; color: blue;">K</span> <b>What I know</b> <i>(Fill in before the project)</i>	<span style="font-size: 2em; color: blue;">W</span> <b>What I want to know</b> <i>(Fill in before the project)</i>	<span style="font-size: 2em; color: blue;">L</span> <b>What I Learnt</b> <i>(Fill in after the project)</i>
<ul style="list-style-type: none"> <li>• Electricity crisis are there in every states of India.</li> <li>• Many electricity crisis occur every year.</li> <li>• Many organization work in order to reduce electricity crisis</li> <li>• Effects</li> <li>• Awareness</li> </ul>	<ul style="list-style-type: none"> <li>• What are different types of energy crisis?</li> <li>• What is educational condition in India towards the conservation of energy?</li> <li>• How I can get rid the electricity crisis?</li> <li>• What are crimes takes due to the electricity crisis?</li> </ul>	<ul style="list-style-type: none"> <li>• An <b>energy crisis</b> is any significant bottleneck in the supply of energy resources to an economy. In literature, it often refers to one of the energy sources used at a certain time and place, in particular those that supply national electricity grids or those used as fuel in Industrial development and population growth have led to a surge in the global demand for energy in recent years</li> </ul> <p><b>Causes of ELECTRICITY crisis</b></p> <ul style="list-style-type: none"> <li>*Over population.</li> <li>*Over consumption of electricity.</li> <li>*Misuse of electricity.</li> <li>*Poor infrastructure.</li> <li>*Low popularity of renewable energy.</li> <li>*Wastage of fossil fuel.</li> <li>*War.</li> <li>*Terrorism.</li> </ul>

**College Name.** SJSPM COLLEGE OF  
B.ED

**Course Name:** B-Ed.

**Year:** 2022-2023

**Course Code:** 111 A

**ICT INTEL PROGRAM**

**Name:** KARISHMA KAMBLE (34)

SMITA KADAM (33)

**Guide:** ASST. PROF. AMAR PAPAL

**Subject:** Science

**Unit:** ELECTRICITY CRISIS

**Group A – ELECTRICITY CRISIS Summary:**

- To create the awareness in students about electricity crisis. To give the information of remedies against electricity crisis to the student.
- The teacher introduces the effects of electricity crisis on our society with the help of a discussion.
- To create awareness in society about electricity crisis.

- The students analyze the difference between electricity crisis and solutions.
- The student collects information of electricity crisis in various sources.
- The students publish posters on electricity crisis.
- The students conduct a street play and launch an awareness camp in order to orient other students, parents, teachers about electricity crisis.
- Students provide this message to the society by power point presentation, E mail, Pam plats, and Newspapers. Transparency is the most important in our life.

**Group B –Types of Energy:**

1. Renewable source of energy:  
Those source of energy which is found in adequate amount on earth.
  - Example: solar energy, wind energy, etc.
2. Non-renewable source of energy:  
those source of energy which are limited on earth crust.

- Example: Nuclear energy, coal, natural gas, oil, etc.

**Group C - Causes of electricity crisis:  
Causes of the Energy Crisis**

It would be easy to point a finger at one practice or industry and lay the blame for the entire energy crisis at their door, but that would be a very naive and unrealistic interpretation of the cause of the crisis.

1. Overconsumption: The energy crisis is a result of many different strains on our natural resources, not just one. There is a strain on fossil fuels such as oil, gas and coal due to overconsumption – which then in turn can put a strain on our water and oxygen resources by causing pollution.

## Accommodations for Differentiated Instruction

Special Needs Students	More time will be provided to children with special needs. They will also be given simpler work.
Gifted/Talented Students	Extra work will be given to them, downloading pictures / videos, analysis of information, helping children with special needs.

## Materials and Resources Required For Unit

### Technology - Hardware (Click boxes of all equipment needed)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Camera                         | <input type="checkbox"/> Laser Disk         | <input type="checkbox"/> VCR                       |
| <input checked="" type="checkbox"/> Computer (S)        | <input checked="" type="checkbox"/> Printer | <input type="checkbox"/> Video Camera              |
| <input checked="" type="checkbox"/> Digital Camera      | <input type="checkbox"/> Projector System   | <input type="checkbox"/> Video Conferencing Equip. |
| <input type="checkbox"/> DVD Player                     | <input type="checkbox"/> Scanner            | <input type="checkbox"/> Other                     |
| <input checked="" type="checkbox"/> Internet Connection | <input type="checkbox"/> Television         |  |

### Technology - Software (Click boxes of all Software needed)

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Database / Spreadsheet | <input type="checkbox"/> Image Processing                | <input type="checkbox"/> Web Page Development       |
| <input checked="" type="checkbox"/> Desktop Publishing     | <input checked="" type="checkbox"/> Internet Web Browser | <input checked="" type="checkbox"/> Word Processing |
| <input checked="" type="checkbox"/> E - mail Software      | <input type="checkbox"/> Multimedia                      | <input type="checkbox"/> Other                      |
| <input type="checkbox"/> Encyclopedia on CD-ROM            |  |   |

Printed Materials

~~International Journals, Newspapers, magazines, reports.~~

Supplies

- ① world Energy crisis: A Reference Handbook.
- ② The New Energy crisis

Internet Resources

~~<https://www.sciencedirect.com/science/article/pii/S2352484719310339>~~

Other Resources

~~<https://www.conserve-energy-future.com/causes-and-solutions-to-the-global-energy-crisis.php>~~

## Teacher Presentation

Unit Title: Electricity crisis

1. Name Kamble Karishma

Roll No 34

1. Name smita Kadam

Roll No. 33

Prof. in Charge - Asst Prof. Amar papal  
Sir.

Std. and Subject

std:- 8th to 12th

subject :- science and  
Geography.

### Unit Summary

#### Point

- 1 To create awareness in students about electricity crisis.
- 2 To give information of remedies against electricity crisis to the student
- 3 The teacher introduces the effects of electricity crisis
- 4 on our society with the help of discussion.
- 5 To create awareness in society about electricity crisis.  
The students analyze the difference between electricity crisis and solutions.

### OBJECTIVES & SPECIFICATION

- Knowledge
  - students tell what is electricity crisis.
- Comprehension
  - student explain the causes and effects of electricity crisis

# Work Cited documents and Bibliography

## Websites

- <https://www.sciencedirect.com/science/article/pii/S2352484719310339>
- <https://www.conserve-energy-future.com/causes-and-solutions-to-the-global-energy-crisis.php>

## Newspaper

- <https://energy.economictimes.indiatimes.com/tag/power+crisis>
- <https://energy.economictimes.indiatimes.com/news/power/punjab-power-crisis-44-state-govt-depts-have-unpaid-bills-of-rs-2165-cr/84109390>

## Magazine

- [https://www.researchgate.net/publication/339640257\\_Electrical\\_power\\_crisis\\_solution\\_by\\_the\\_developing\\_renewable\\_energy\\_base\\_d\\_power\\_generation\\_expansion](https://www.researchgate.net/publication/339640257_Electrical_power_crisis_solution_by_the_developing_renewable_energy_base_d_power_generation_expansion)

## Journals

- <https://www.journals.elsevier.com/applied-materials-today/news/solving-the-global-energy-crisis>
- [https://www.researchgate.net/publication/267439286\\_STUDY\\_ON\\_ENERGY\\_CRISIS\\_AND\\_THE\\_FUTURE\\_OF\\_FOSSIL\\_FUELS](https://www.researchgate.net/publication/267439286_STUDY_ON_ENERGY_CRISIS_AND_THE_FUTURE_OF_FOSSIL_FUELS)

Newsletter Date : 13 July 2013

Title : Energy crisis.

Option Text

School Name, Teacher Name / Other identifier :

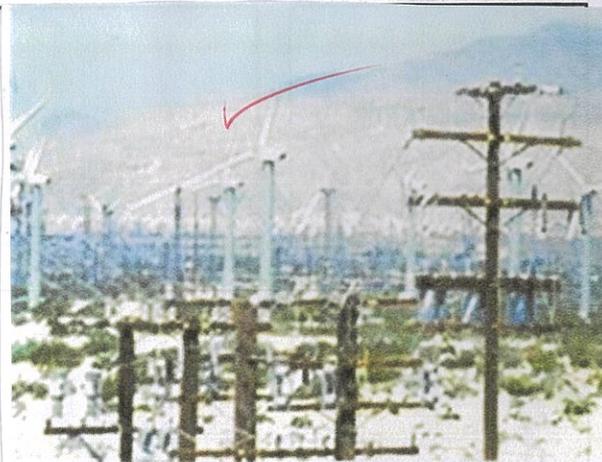
Article Title : Energy crisis

Story / Article :  
Govt orders  
all imported  
coal plants  
to operate  
amid high  
power  
demand.



Article Title : power giant NTPC.

Story / Article :  
India's energy  
crisis has  
power giant  
NTPC rushing  
back to coal.



## Copyright Permission Form Letter

NOTE: Mail on letterhead]

Karishma Kamble, Smita Kadam  
Student-Teacher, B.Ed (2022-2023),  
Shri Jain Vidya Prasarak Mandal  
Dhhyapak Mahavidyalaya  
Ainchwad, Pune - 33

Dear Sir/Madam,

We would like permission to edit and use the type of program--e.g. slide, image, article, etc. for student handout. Pertinent information about the program's use is detailed below.

Title: **Electricity crisis**

We want to copy the entire article, a single image or sound, a group of images or sounds, etc.

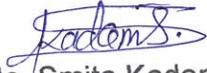
Portion wanted to copy: Articles, Audio clips, video clips, and images. We want this material for our Information and Communication Technology (ICT) project included in our B.Ed. course.

Type of reproduction: We are going to reproduce it through printing as handouts for students.

Use of copies/ planned distribution of copies: The material will be used to be given to students in the form of hand-outs. Audio and video clips will be just used for demonstrations in the class; these will not be provided to the students in any form. We do not plan on broadcasting it anywhere. The material will be presented to a group of people in a class that is held on a regular basis. We will not be putting the new work on the internet. We just want to make use of the copies-one time.

Please let us know if permission is granted to copy and what conditions, if any, apply. We have enclosed a copy of this letter for your files and a self-addressed, stamped envelope for you to return to us at your earliest convenience.

Sincerely,

Name: Karishma Kamble, Smita Kadam

Permission Granted: signature date

Conditions, if any: signature date

See  
Bmm  
11/6/23  
papal A.K