

Metric ID :- 2.4.5

Adequate skills are developed in students for effective use of ICT for teaching learning process in respect of

1. Preparation of lesson plans
2. Developing assessment tools for both online and offline learning
3. Effective use of social media/learning apps/adaptive devices for learning
4. Identifying and selecting/ developing online learning resources
5. Evolving learning sequences (learning activities) for online as well as face to face situations

- Findings of DVV:-

Documentary evidence in support of each response selected

Sample evidence showing the tasks carried out for each of the selected response

Response :-

We have attached the Relevant Documents in Appendix I

Appendix I

NAME : ESHA GOEL

EPC-3 LEARNING TO USE COMPUTERS (1)

B.Ed 1ST YEAR , ROLL NO. - 4

MEDIUM - ENGLISH , METHOD - SCIENCE

CENTRAL INDIA WOMEN'S COLLEGE OF
EDUCATION ; SNTD, MUMBAI

Critical Analysis of Webpage - 1



CONTENTS

S. NO.	TOPIC	PG. NO.
1.	COVER PAGE	1
2.	WEBSITE PAGES PRINTOUTS	2-6
3.	REVIEW OF EDUCATIONAL WEBSITE	7-8
4.	EVALUATION SHEET	9



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ENHANCING PROFESSIONAL CAPACITIES

EPC - 3

LEARNING TO USE COMPUTER

NAME OF THE STUDENT: - ESHA GOEL
MEDIUM: - ENGLISH ROLL NO: - 4
METHODS: - SCIENCE

FIRST YEAR

2020-2021

SHREEMATI NATHIBAI DAMODAR THACERSEY

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For every student,
every classroom.
Real results.



We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere.

Learners Teachers Parents

Why Khan Academy works



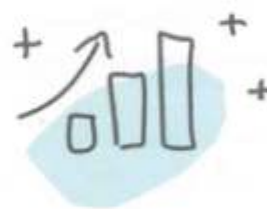
Personalized learning

Students practice at their own pace, first filling in gaps in their understanding and then accelerating their



Trusted content

Created by experts, Khan Academy's library of trusted, standards-aligned practice and lessons covers math K-12 through early college, grammar, science,



Tools to empower teachers

With Khan Academy, teachers can identify gaps in their students' understanding, tailor instruction, and meet



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history, SAT®, and more. It's all free for learners and teachers.

the needs of every student.

TEACHERS

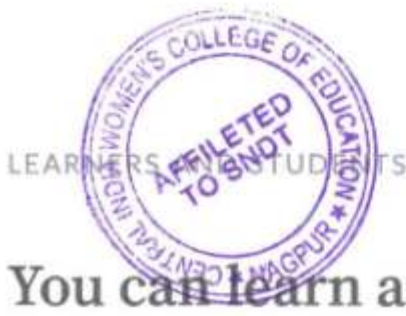
“I’m finally able to truly differentiate my classroom. This has allowed me to focus on my students’ engagement.”

UDAYA LAKSHMI PALAPALA / Middle school Coordinator / Hyderabad, Telangana

We empower teachers to support their entire classroom. 90% of US teachers who have used Khan Academy have found us effective.

SOURCE: 2018 ConStat U.S. Online Education Customer Survey

Teachers, start here



You can learn anything.

Build a deep, solid understanding in math, science, grammar, history, SAT®, and more.

Learners, start here

“When I was a child, I used to fear mathematics. But now, I am in love with mathematics because of Khan Academy.”

ANJALI
Gurugram, Haryana



TOGETHER WE CAN MAKE A DIFFERENCE

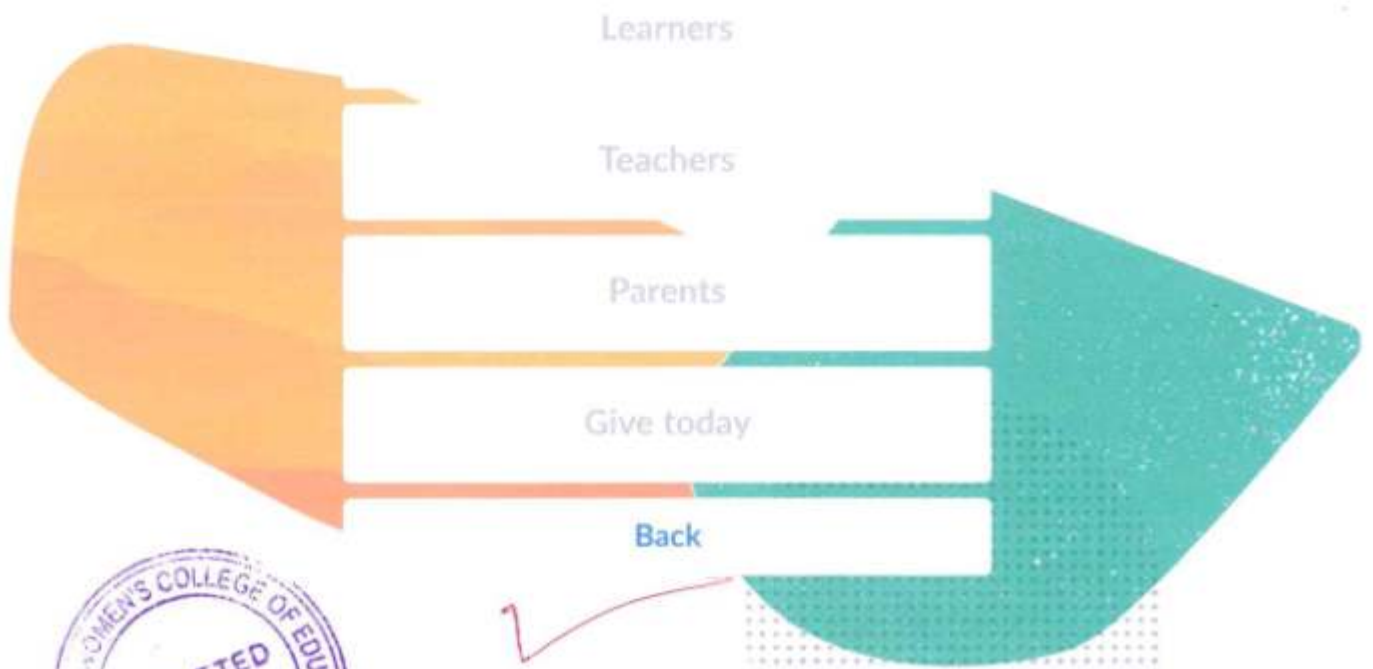
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Every child deserves the chance to ~~learn.~~

Across the globe, 617 million children are missing basic math and reading skills. We're a nonprofit delivering the education they need, and we need your help. You can change the course of a child's life.

Give them the chance

Join Khan Academy today



Key supporters

BANK OF AMERICA 

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BILL & MELINDA
GATES *foundation*

FUNDAÇÃO
Lemann 

Carlos Rodriguez-Pastor

TATA TRUSTS

VALHALLA
CHARITABLE FOUNDATION

Supporters of our COVID-19 response

BANK OF AMERICA 

 AT&T

Google.org

 NOVARTIS

fastly.

 general motors

 Adobe

EPC:

Learning to use Computer in Education (Computer Project)

Total Hours: 60, Credit 2 (Marks: 50)

Practical: 1 Review of an Educational Website: Marks 15

Name of the Student: ESHA GOEL

Website Link: <https://www.khanacademy.org>

Criteria for the Review of an Educational Website

Layout of Webpage.

The website is aligned properly and looks simple but easy to browse. The complete information can be gained by scrolling up and down. It has various tabs on which we can tap and get the informations.

Website Design.

The website is designed in such a way that it is user friendly. It contains several tabs, graphics, animations, texts, links, hyperlinks, etc. The website is easily accessible.

Colour combination used in Website.

The background of the website is white in colour. The write ups are in black colour which makes it clearly visible and readable. It is bright multicoloured attractive pictures.

Appropriateness of Design for Audience.

This website is designed for students, teachers and parents to help them gain scientific knowledge. The website is easily accessible for all because it has age specific tabs with age appropriate contents.

Informative Aspects of the Website.

The website addresses to the learning queries of students, teachers and parents along with scientific explanation which are depicted in the form of videos and interactive sessions. It develops a scientific outlook also among the users.

Interactive Nature of the Website.

The website has an interactive mode also where users can interact with counsellors through live video call or live text chats. It also has audios and games incorporated in it to solve the queries.



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Readable Nature of the Website.

Khan academy is a web friendly website. Non tech savvy person can also use it efficiently. The presentation is readable and easily understandable because of the simple text language used in it.

Skimming Nature of the Website.

It is to have a quick look over the contents to understand the nature of the website. Self descriptive headings, images, easily understandable language gives a quick overview of the website for users of all ages.

Provision of Hyperlinks.

There are many hyperlinks used in the website to provide in depth knowledge to the users. The hyperlinks are boldly and clearly highlighted in the website and appropriately positioned.

Frequency of Updating of the Website.

The website is frequently updated to incorporate recent informations. It was last updated in 2019.

Authenticity of the Information provide on the Website.

The website definitely contains authentic and subject related informations. The reviews and testimonials provided by the users also certifies the effectiveness of using the website in subject related learning process.

Quality of Images and videos provide on the Website.

The images used in the website are colourful, attractive and self descriptive. The videos used in the website are informative and clears the concepts effectively.

Use of Website for the Visitors.

The website is very useful for users of all ages with age appropriate content. It also tries to bridge the gap between students, teachers and parents.



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Name of The Student: **ESHA GOEL**

Website link: **www.khanacademy.org**

Sr. No	Review criteria विवेचना के माध्यम से जांचें	yes हां	no नहीं	part आंशिक
1	Layout of webpage वेबपेज के आरेखन		✓	
2	website design वेबसाइट डिजाइन		✓	
3	Colour combination used in website वेबसाइट पर वापरलेली रंगसंगती			✓
4	Appropriateness of design for audience. वेबसाइट डिजाइन की उपयुक्तता	✓		
5	Informative aspects of the website वेबसाइट मधील माहितीशी संबंधित घटक		✓	✓
6	Interactive Nature of the website वेबसाइटचे अंतर्क्रियात्मक स्वरूप		✓	
7	Readable Nature of the website. वेबसाइटचे वाचनार्थक स्वरूप	✓	✓	
8	Skimming Nature of the Website. वेबसाइटचे स्किमिंग स्वरूप			✓
9	Provision of hyperlinks हायपरलिंक की उपलब्धता	✓		
10	Frequency of Updating of the Website. वेबसाइटचे अद्ययावत करणारी वारंवारता		✓	
11	Authenticity of the information provided on the website. वेबसाइट वरील माहितीची अख्यता	✓		✓
12	Quality of images and videos provided on the website वेबसाइटवरील चित्र व वीडियोची गुणवत्ता		✓	
13	Use of website for the visitors. अभ्यागतांसाठी वेबसाइटची उपयुक्तता	✓	✓	
14	Overall impact of the website वेबसाइटची एकूण परिणामकारकता		✓	



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NAME : ESHA GOEL

EPC-3 LEARNING TO USE COMPUTERS (2)

B.Ed 1ST YEAR, ROLL No. - 4

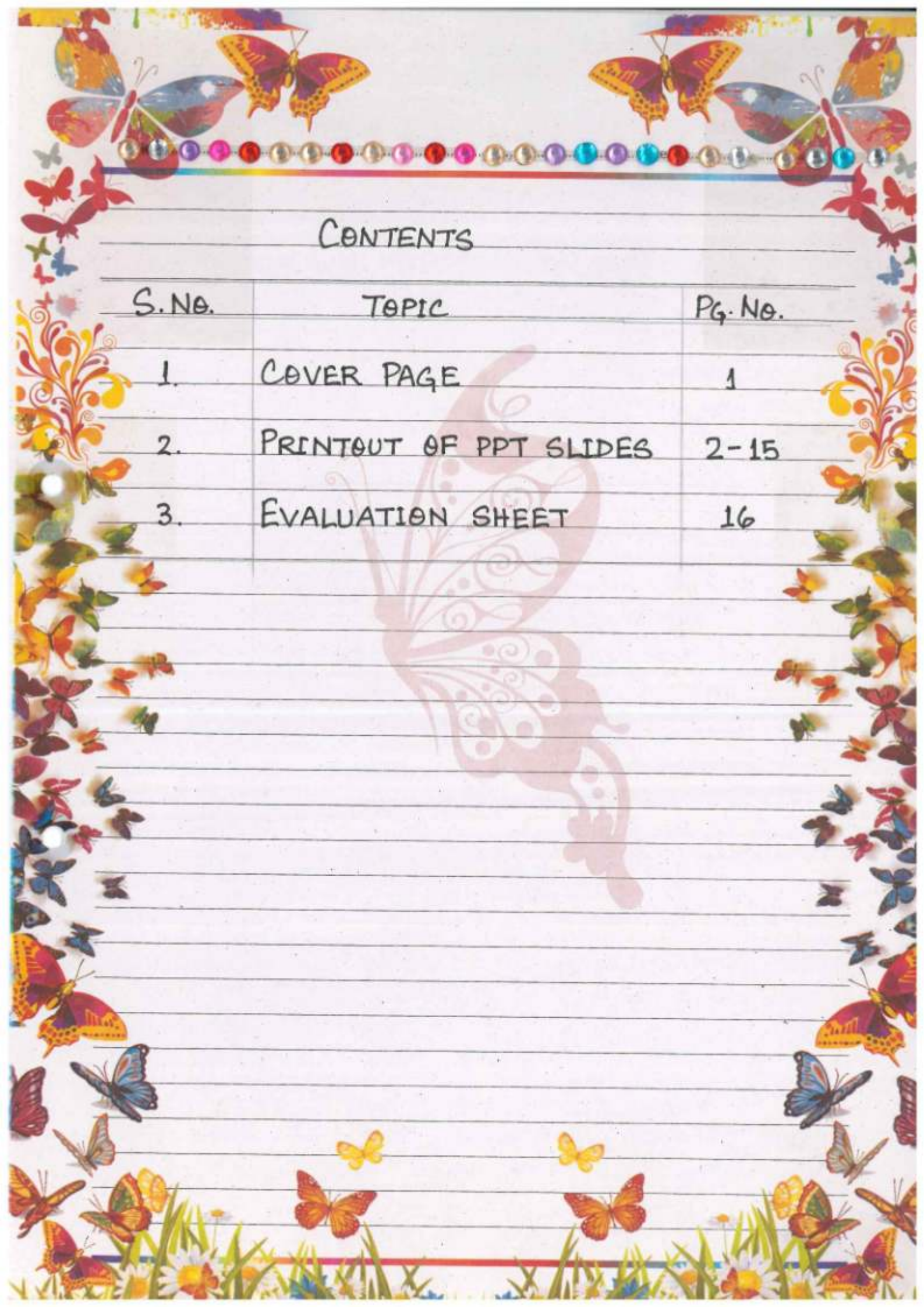
MEDIUM - ENGLISH, METHOD - SCIENCE

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Multi Media - 2





CONTENTS

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CENTRAL INDIA WOMEN'S COLLEGE OF EDUCATION

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ENHANCING PROFESSIONAL CAPACITIES

EPC - 3

LEARNING TO USE COMPUTER

NAME OF THE STUDENT: - ESHA GOEL
MEDIUM: - ENGLISH ROLL NO: - 4
METHODS: - SCIENCE

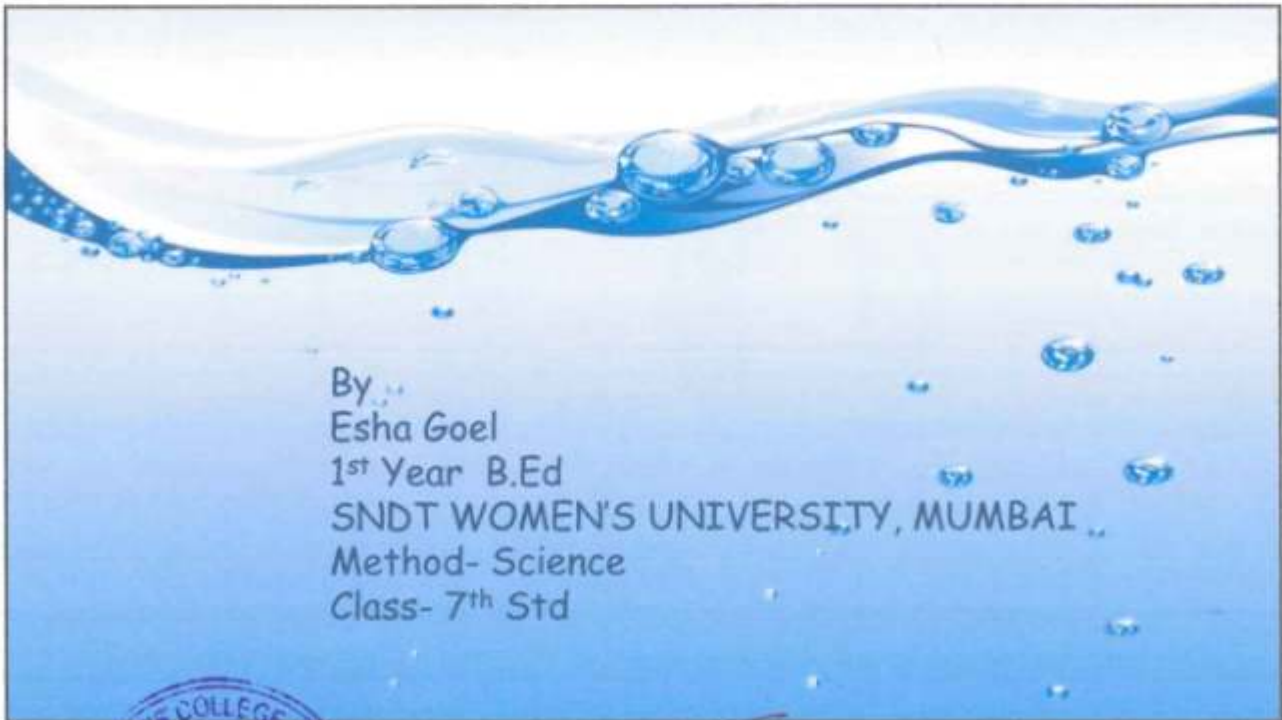
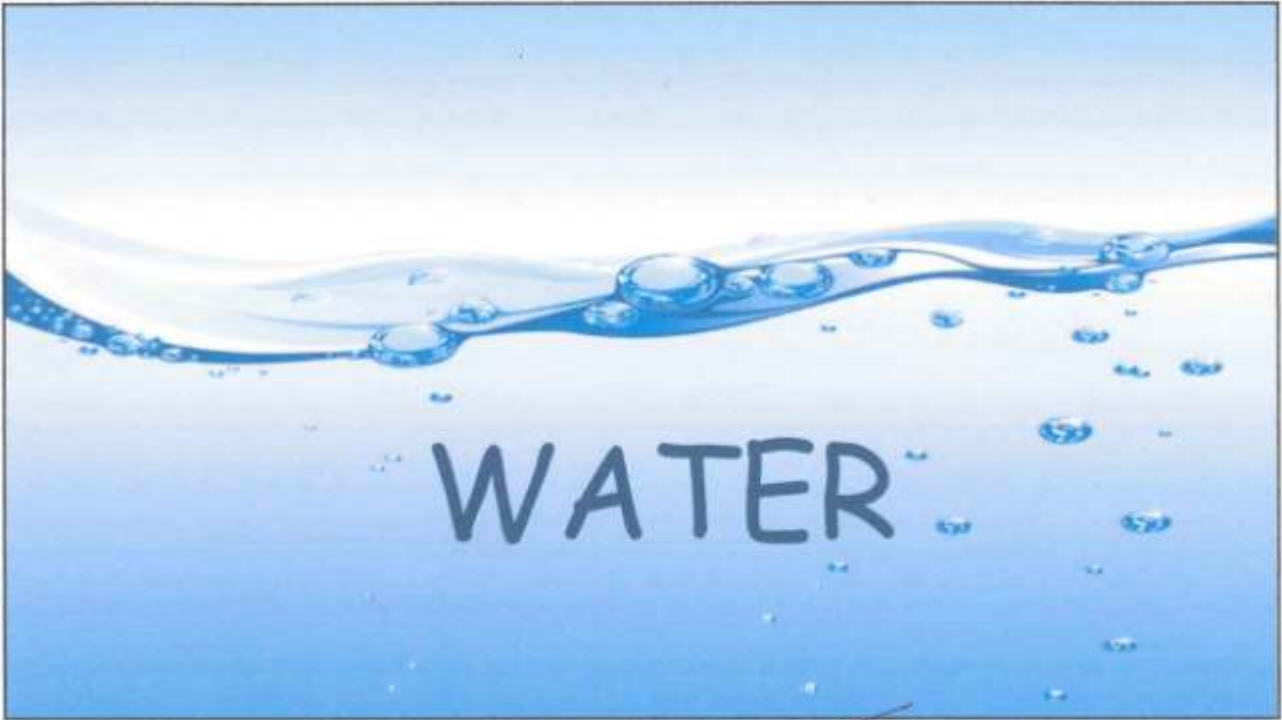
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What is water?

- Water is made up of tiny molecules of hydrogen and oxygen
- Water is colourless, odourless and tasteless



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Forms of water



Water exists in 3 forms:

- Solid (ice, snow, hail, frost)
- Liquid (in lakes, rivers, rain, oceans)
- Gas (water vapours)



		
Solid	Liquid	Gas



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Where can we get water?

- About 97% of the water on the Earth's surface is in the world's oceans
- Rest 3% of water is found in:
 - Rivers
 - Lakes
 - Polar ice caps
 - Clouds
 - Rain
 - Sea ice
 - Stored in rocks (aquifers)



SOURCES OF WATER



Well



Rain



River



Tap



Lake



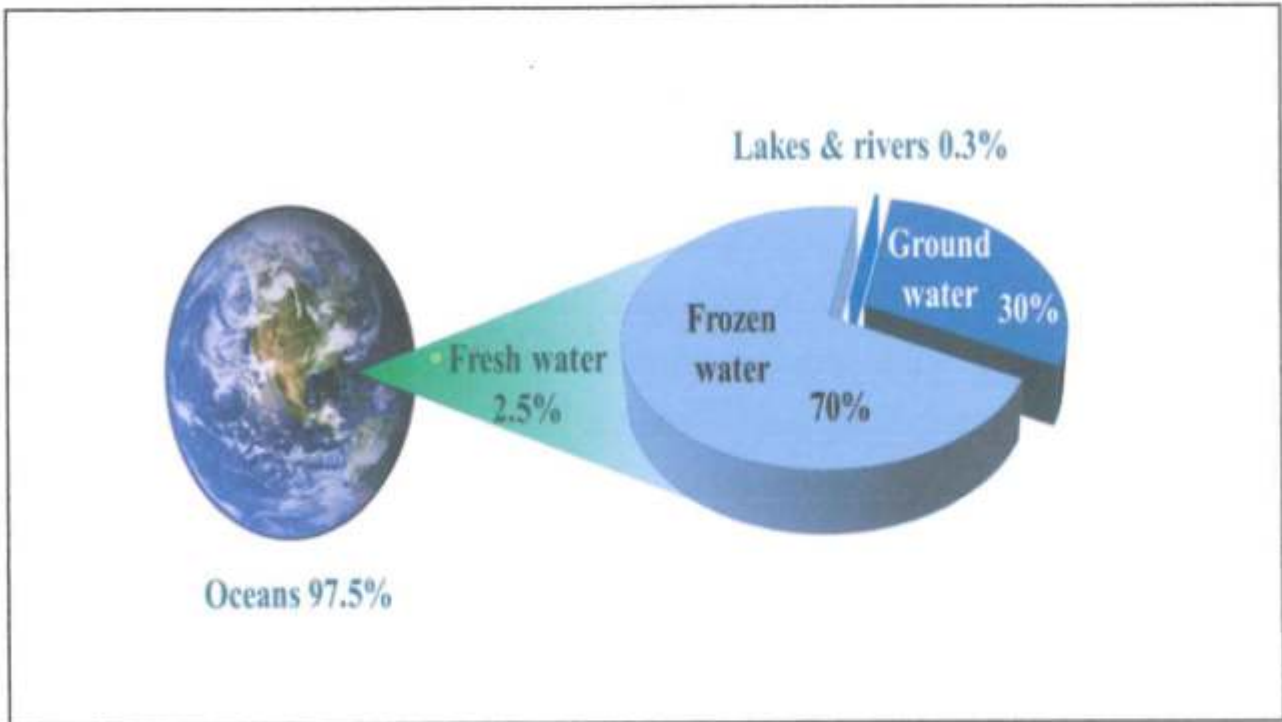
Stream

© 19192823 S. Vespa-More

© dreamstime.com



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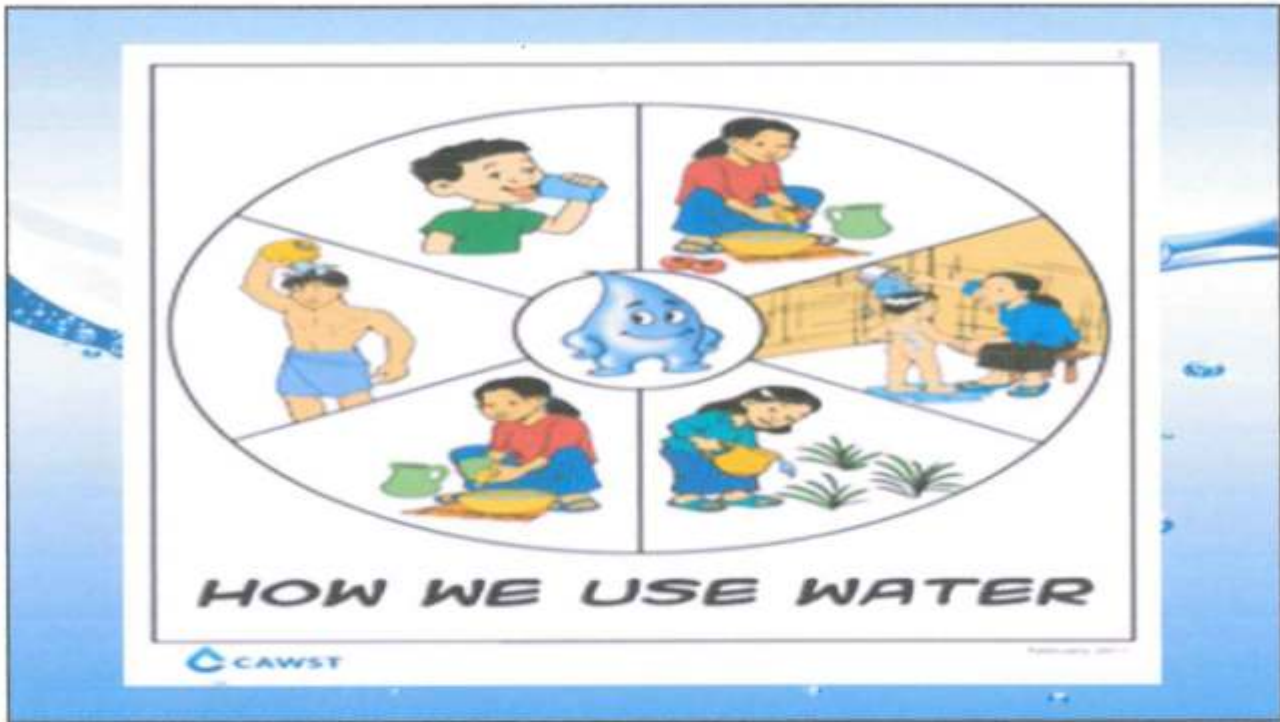


Why do we need water?

- To carry nutrients and water in the body
- To lubricate joints, digestive tract and body tissues
- To maintain body temperature
- To be used in factories, houses, agriculture etc.



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How much water do we need?

- Adult human beings need about 6-8 glasses of water each day
- Children needs 5-6 glasses of water each day
- More water may be required during illness
- Those who do a lot of physical activity also needs more water



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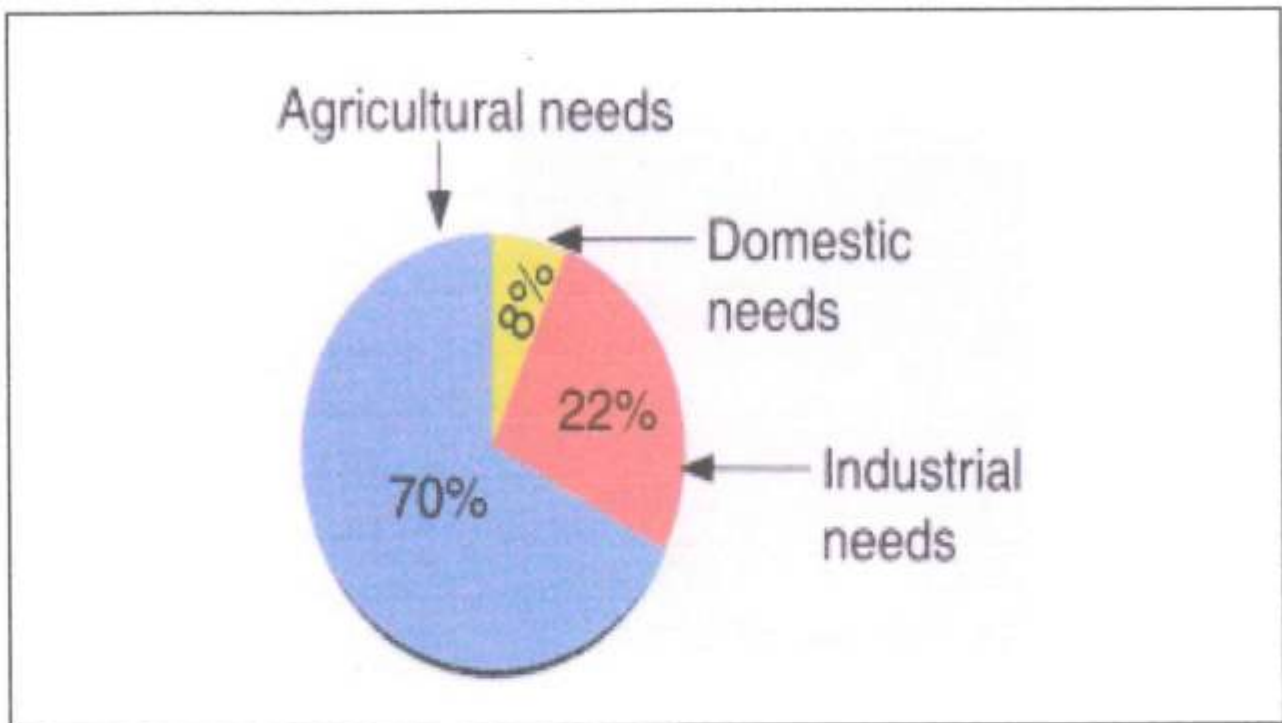


Most common reason for increased demand of water

- Increase in population
- Increase in agricultural activities
- Increase in industrial activities
- Increase in household activities involving water



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Water Shortage

- Water shortage happens when an area does not have enough water to meet the requirements of the people who live there
- Shortage of water is caused by too much demand and shortage of supply



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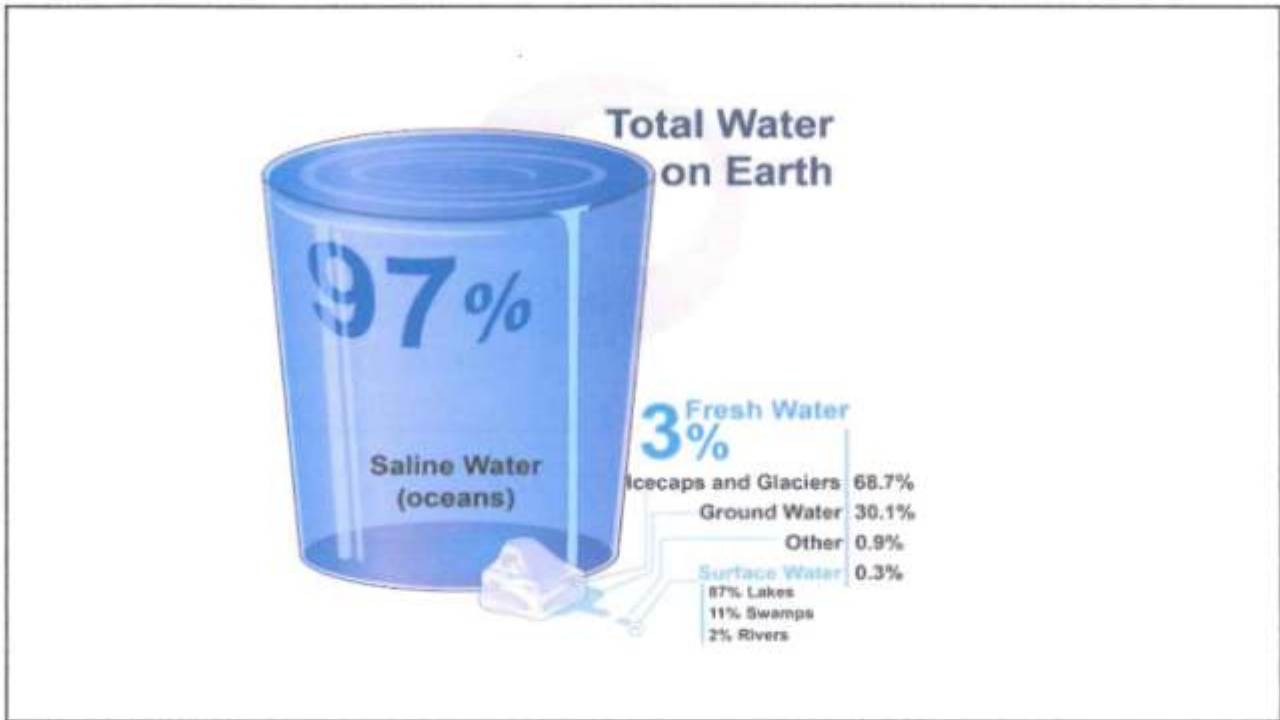


Why should we save water?

- Of all the water in the world only 3% is fresh water
- Less than 1% of this fresh water is available for human use



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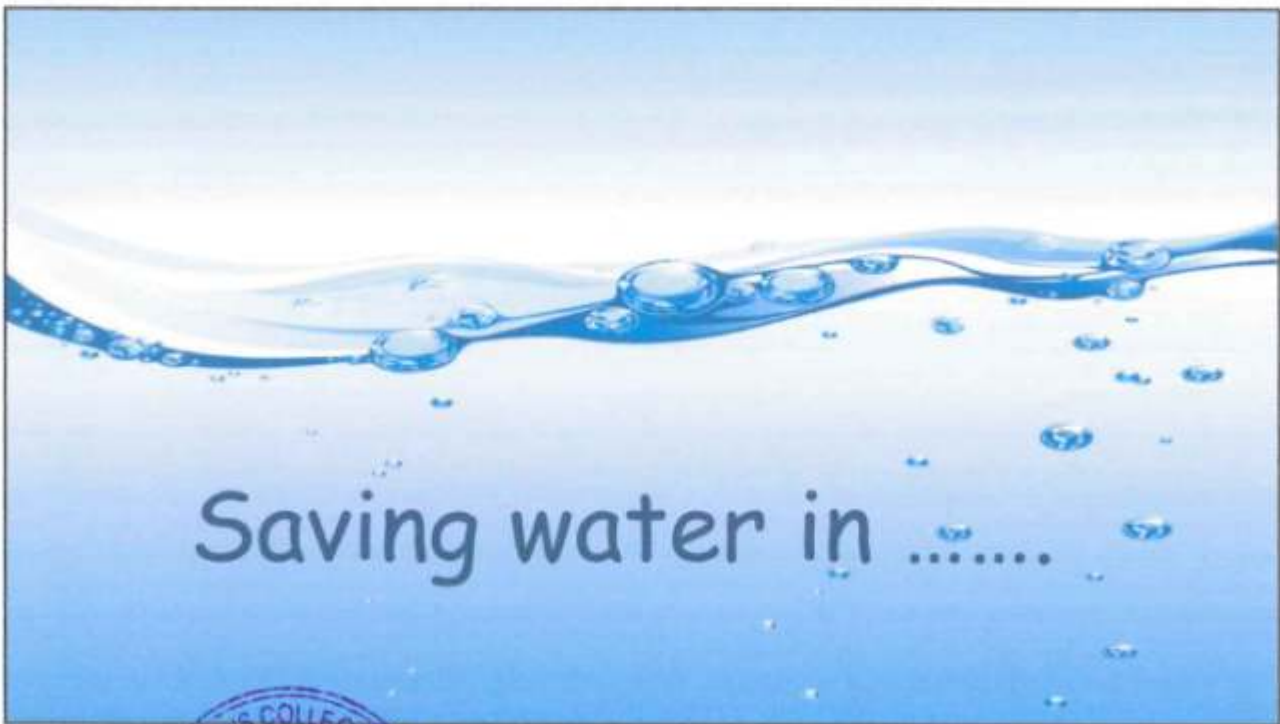


Water Conservation

Water conservation is the practice of using water efficiently to reduce unnecessary water usage and wastage.



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- Saving water through awareness and education
- Saving water in homes and factories by reducing wastage of water and reuse of waste water
- Saving water in agriculture by planting plants which holds water



<p>TURN IT OFF: Turn off taps while brushing your teeth, soaping clothes and scrubbing vessels.</p>	<p>FIX LEAKING TAPS: Fixing leaking taps doesn't take much, but it can save a significant amount of water.</p>	<p>TAKE A BUCKET BATH: Using a bucket instead of a shower to bathe can reduce your water consumption by 80%!</p>
<p>USE ENERGY-EFFICIENT TECHNOLOGY: Energy star rated dishwashers and washing machines use less water.</p>	<p>UPGRADE YOUR EQUIPMENT: Install faucet aerators, low-flow showerheads and toilets with smaller flush tanks.</p>	<p>RECYCLE WATER: Water treatment plants and rainwater harvesting systems can recycle water on a large scale. But to recycle water on your own, you can do simple things like using the water in which vegetables have been washed to water plants.</p>



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Questions

Q.1. What are the different forms of water?

Q.2. What percentage of water in the world is fresh water?

Q.3. What are the different sources of water?

Q.4. What are the different sources of water?

Q.5. How can we conserve water?



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References



Thank You



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Name of the teacher: **ESHA GOEL**

Name of the topic: **WATER**

Statements विधाने	Very Good उत्कृष्ट	Good चांगले	Moderate साधारण	Poor निकट
Selection of the Topic for Presentation सादरीकरणासाठी निवडलेला विषय	✓			
Learning objectives अध्ययन उद्दिष्टे	✓			
Use of Images/photographs/graphs/ maps चित्रे /आलेख /नकाशे यांचा वापर		✓		
Video or movie clip, Animation and Sound वीडिओ, अनिमेशन व ध्वनीचा वापर				
Provision for questions प्रश्नांची तरतूद	✓			
According to learning styles of learners अध्ययन कर्त्यांच्या अध्ययन शैली नुसार सादरीकरण		✓		
References संदर्भ ग्रंथ	✓			
Presentation of multimedia वहुविध माध्यमांचा सादरीकरण	✓			
Impact of the presentation on the target group. सादरीकरणाचा लक्ष गटावर प्रभाव		✓		
Organization and analysis of multimedia presentation वहुविध माध्यमांचा सादरीकरणासाठी माहितीचे संघटन व विश्लेषण	✓			



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NAME : ESHA GOEL

EPC-3 LEARNING TO USE COMPUTERS

B.Ed 1ST YEAR , ROLL NO. - 4

MEDIUM - ENGLISH, METHOD - SCIENCE

CENTRAL INDIA WOMEN'S COLLEGE OF

EDUCATION; SNDT, MUMBAI

OER - 3



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ENHANCING PROFESSIONAL CAPACITIES

EPC - 3

LEARNING TO USE COMPUTER

NAME OF THE STUDENT: - ESHA GOEL

MEDIUM: - ENGLISH ROLL NO: - 4

METHODS: - SCIENCE

FIRST YEAR

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REPORT ON OER

CRITICAL ANALYSIS OF OER, AUTHENTICATION AND IMPACT OF OER.

1. Open Educational Resource (OER) and Open Access (OA) are becoming valuable source of information on different subjects with evidence based knowledge useful for teaching as well as learning.
2. It is great contribution of ICT in the area of learning.
3. These are freely accessible open documents and media.
4. It is a leading trend in distance education.
5. The OER is prepared by the great educationist, philosophers and teachers across the globe.
6. The development and promotion of OER is often motivated by a desire to provide an attractive alternative or enhanced educational paradigm.

7. With the advent of growing international awareness and implementation of OER,



a global OER logo was adopted for use in multiple languages by UNESCO.

8. The mission of OER is to reduce the cost of education and increase the access to K-12 education world wide.
9. Learning science with OER is to reduce the cost of education and increase the access to K-12 education. It is very informative and knowledgeable.
10. The interactive videos, games, etc. are a good way of learning by visualizing.

TYPES OF OER :-

Types of OER includes full course, course material, modules, learning objectives, open text books, videos, softwares, tools, techniques, etc to support and access knowledge.

The free contents from across the world connects us to "GLOBAL COMMUNITY".

CONTENT TYPES :-

OER can be separated by content types into 4 groups -

→ Text



- Video
- Animation
- Multimedia

OER is free and available with updated information.

1. Multimedia Education Resource for Learning and Online Teaching (MERLOT) :-
It consists of assessment tools, assignments, case study, practice session, training materials, workshops, drills, e-portfolios
2. Massive Open Online Course (MOOC) :-
It is an online course aimed at unlimited participation and open access via the web in addition to traditional course material such as videos, problem set and reading.
3. Open Course Ware (OCW) :-
These are course lessons created at universities and published gratis via the internet.
4. Open Textbooks and Textbooks which are freely used by students, teachers and others. Many open text books are distributed in either print, e-book or audio formats that may be downloaded



The difference between open textbooks and traditional textbooks is that the copyright permission on open text books allow the public to freely use, adapt and distribute the material.

OER OBSERVED AND BROWSED:-

<https://towson.libguides.com/oer>

RELEVANCE WITH SCHOOL SUBJECTS :-

1. The OER towson.libguides.com is an informative online resource.
2. It provides practical, innovative solution to enhance the learning teaching experience by faculty, staff, informative topics related to school subjects science and maths.
3. It has interactive live online chat sessions, expert lectures, practical oriented videos, animations, games and practice sessions.
4. It provides active and collaborative learning technique resulting into long lasting experience. Learning science with more informative and knowledgeable



WHAT NEW THINGS I LEARNT FROM THIS OER:-

1. The OER provides valuable information regarding to school subjects, topics and their applications.
2. The new informative ways of teaching includes more of audio visual techniques rather than the lectures.
3. It creates an everlasting effect in the minds of students as well as teachers.
4. The concepts gets cleared very easily and effortlessly.

EFFECTIVENESS AND USABILITY OF OER:-

It empowers us to move forward and achieve the skills required to become successful academically and in life. It helps to gain in depth knowledge.

HOW THIS OER WILL HELP ME IN TEACHING LEARNING PROCESS.

1. It should help in making education accessible to all world wide by reducing the cost and easy availability of the subject materials.

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2. The texts, videos, games, case studies, experiments, assessments, etc. provides a wide range of materials related to any subject topics at different levels.
3. It is one way towards "Right to Education" globally.



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Practical No 3

Name of student-teacher: **ESHA GOEL**

Used Educational Resources (OER)

Sr. No	Statement	very good उत्तम	good चांगले	average साधारण	poor निम्न
1	Search of different OER वेगवेगळ्या मुक्त शैक्षणिक संसाधनांचा शोध		✓		
2	Type of OER (Document/Presentation/Videos etc.) वेगवेगळ्या मुक्त शैक्षणिक संसाधनांचा उपावेश (दस्तावेज / व्हीडीओ / प्रेझेंटेशन)			✓	
3	Relevance with school subject शालेय विषयाशी संबंधित		✓		
4	New things learnt from this OER (Mention In Report) अहवालात नवीन ज्ञान आत्मसात करण्या विषयीची नोंद			✓	
5	Effectiveness and usability of OER मुक्त शैक्षणिक संसाधनाची परिणामकारकता व उपयुक्तता		✓		
6	Use of OER in teaching-learning process अध्ययन अध्यापन प्रक्रियेत मुक्त शैक्षणिक संसाधनाची उपयुक्तता			✓	
7	Addition in DER by the student मुक्त शैक्षणिक संसाधनामध्ये विद्यार्थ्यांचे अंशदान		✓		
8	Critical analysis of OER मुक्त शैक्षणिक संसाधनाचे टिकात्मक विश्लेषण			✓	
9	Authenticity of OER मुक्त शैक्षणिक संसाधनाची सत्यता		✓		
10	Overall Impact of OER मुक्त शैक्षणिक संसाधनाचा एकूण प्रभाव		✓		



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S. Thakare