



WiEHACK4.0

TEAM OPTIMUS PRIME



**SHALEEN
BADOLA**



**YOGESH
BHATT**



**SIMRAN
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EduMade
Open Innovation



ABSTRACT

Wasted time and limited organization in manual note-making methods hinder students' learning potential and academic success in the classroom.



Molecular Vibration: Energy for Functional Role

Outline:

- 1) What is molecular vibration?
- 2) What does the energy measure?
- 3) What biological role does vibration play?
- 4) What is the role of vibration in life?

Goals:

- To understand the energy flow in a system, including the role of vibration.
- To explore the biological role of vibration in life.

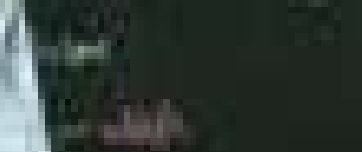
Further Reading:

- Physics: The Science of Matter and Energy
- Biology: The Science of Life
- Chemistry: The Science of Matter
- Physics: The Science of Matter and Energy
- Biology: The Science of Life
- Chemistry: The Science of Matter

1. CREATE CACOTONIC ORDER



2. ADAPTATION



3. HOMEOSTASIS



3. HIGH FIDELITY TRANSDUCTION

AAGTAG
TTTTTTT
AAGCGG

4. CONTRAST: RADICALLY TIME STRETCHING



5. SENSITIVE: SENSITIVE UNITS



6. DO WORK



7. ADAPTATION



8. HOMEOSTASIS

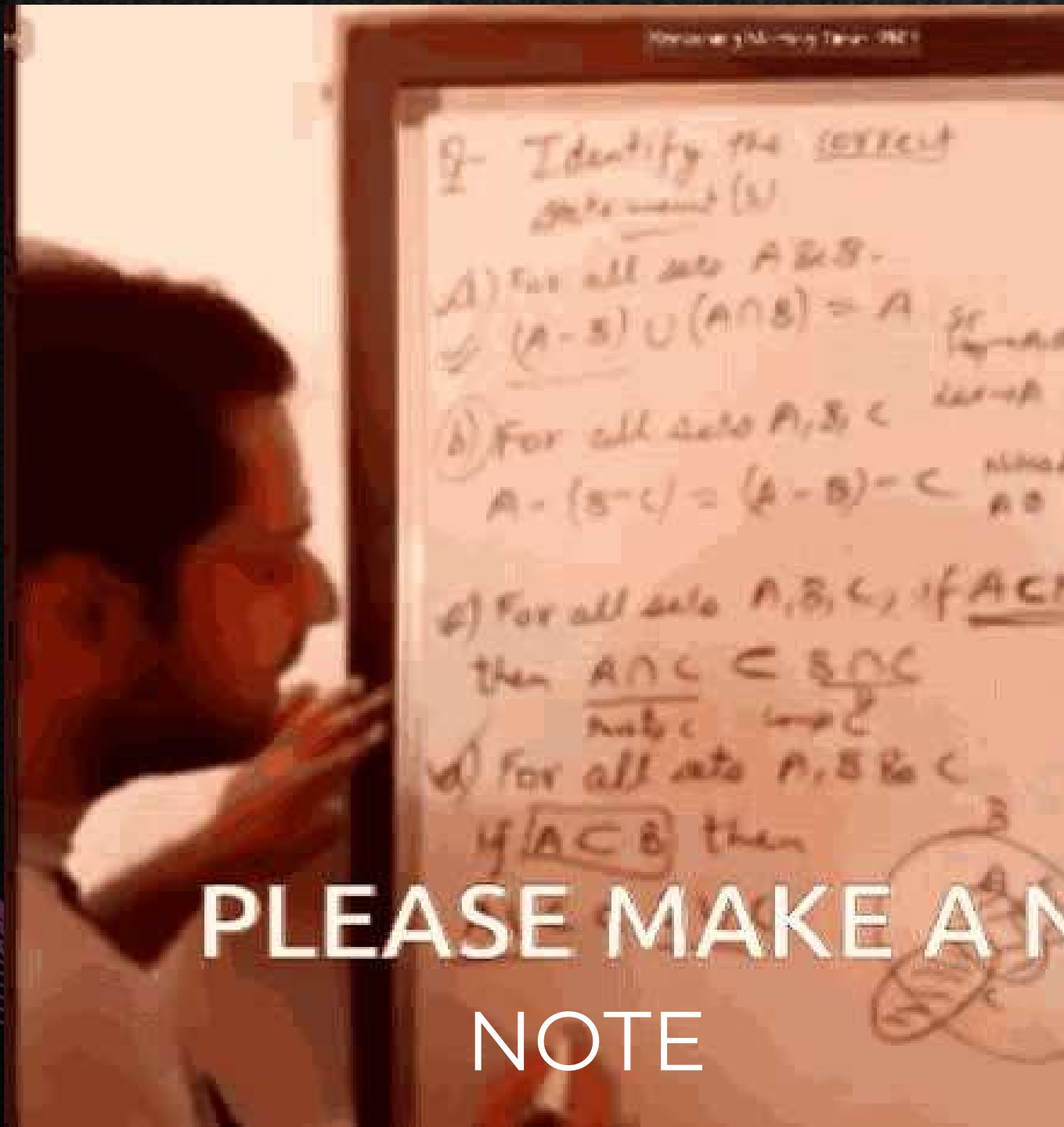
$$\frac{ATP}{ADP} = \frac{C_{ATP}}{C_{ADP}} \rightarrow [ATP] = 10^{-4} \text{ M}$$

57 M!e!

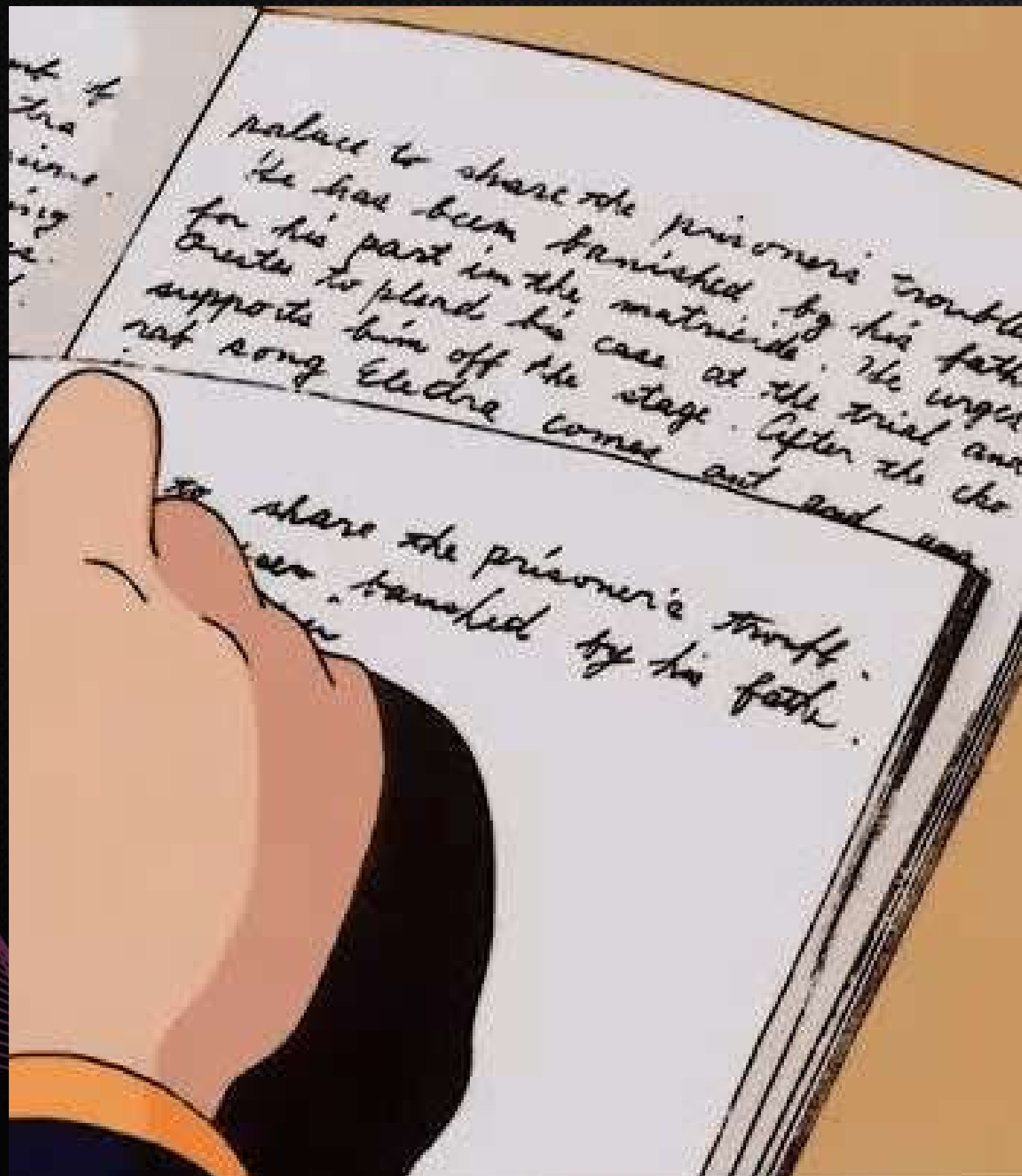




PROBLEM SOLVED



- Manual notes-making burden for students and teachers
- Students often struggle to keep up with the fast-paced lectures, resulting in incomplete or inaccurate notes
- Quality of notes may differ from student to student
- Teacher may skip some concept while notes making.
- Teachers spend additional time creating and distributing notes





PROPOSED SOLUTION

- Develop an application to automated summarised notes creation for students and teachers
- Lecture Audio will be used to generate crisp notes.
- Automatically captured whiteboard snaps will supplement the notes.
- Less burden for both





SELF-ASSESSMENT MCQ

“Choose an answer that doesn't describe...”

- a. ✓
- b. ✗
- c. ✓
- d. ✓

answer: b



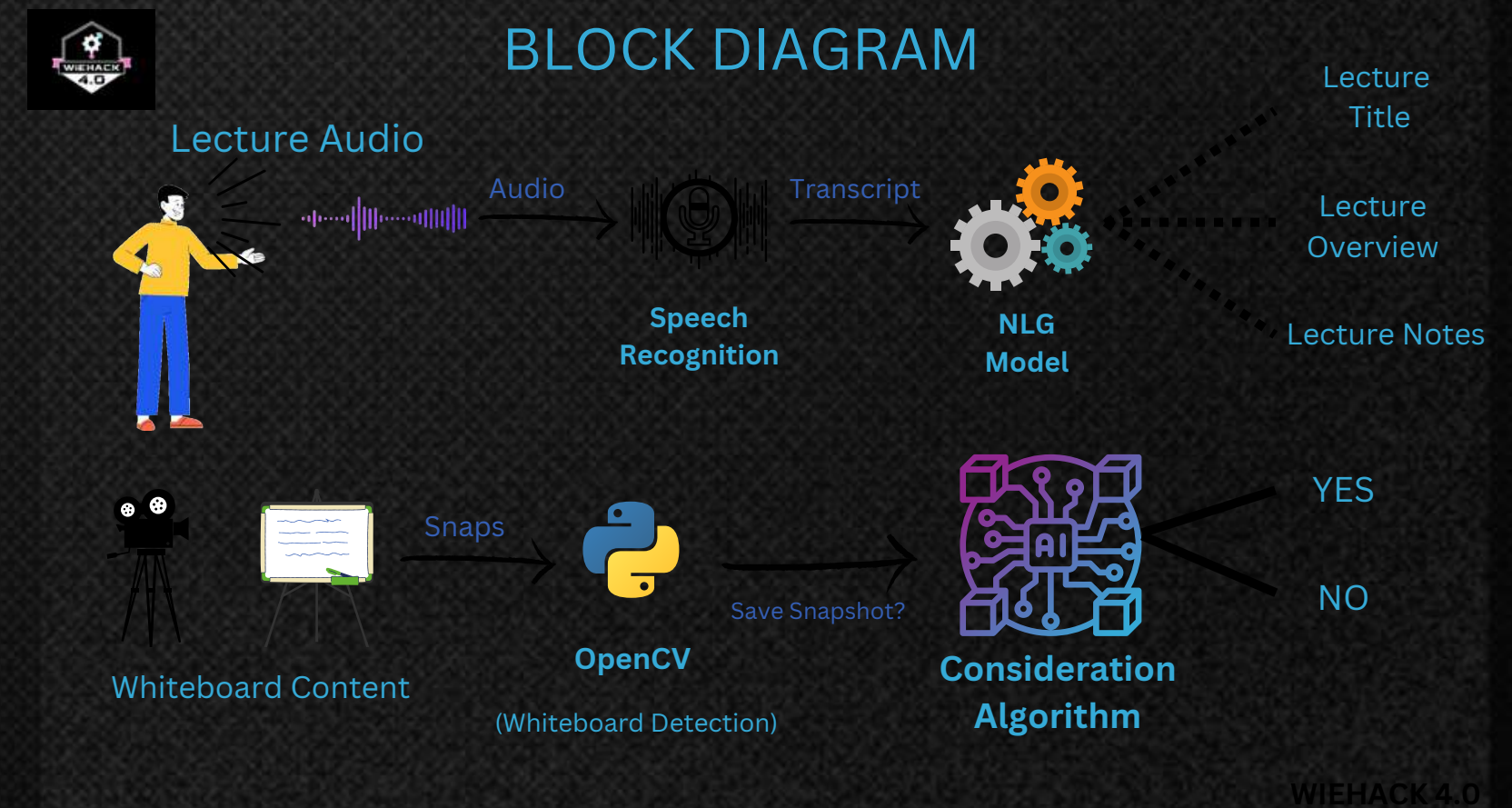


PROGRESS REPORT

WHAT HAVE YOU DONE ?

- We conducted extensive user research
- Designed intuitive interfaces
- Designing of intelligent organization features
- Integrated seamless synchronization across devices for a comprehensive and efficient note-taking experience.

WHAT ARE YOU PLANNING TO DO ?





Create Lecture Page

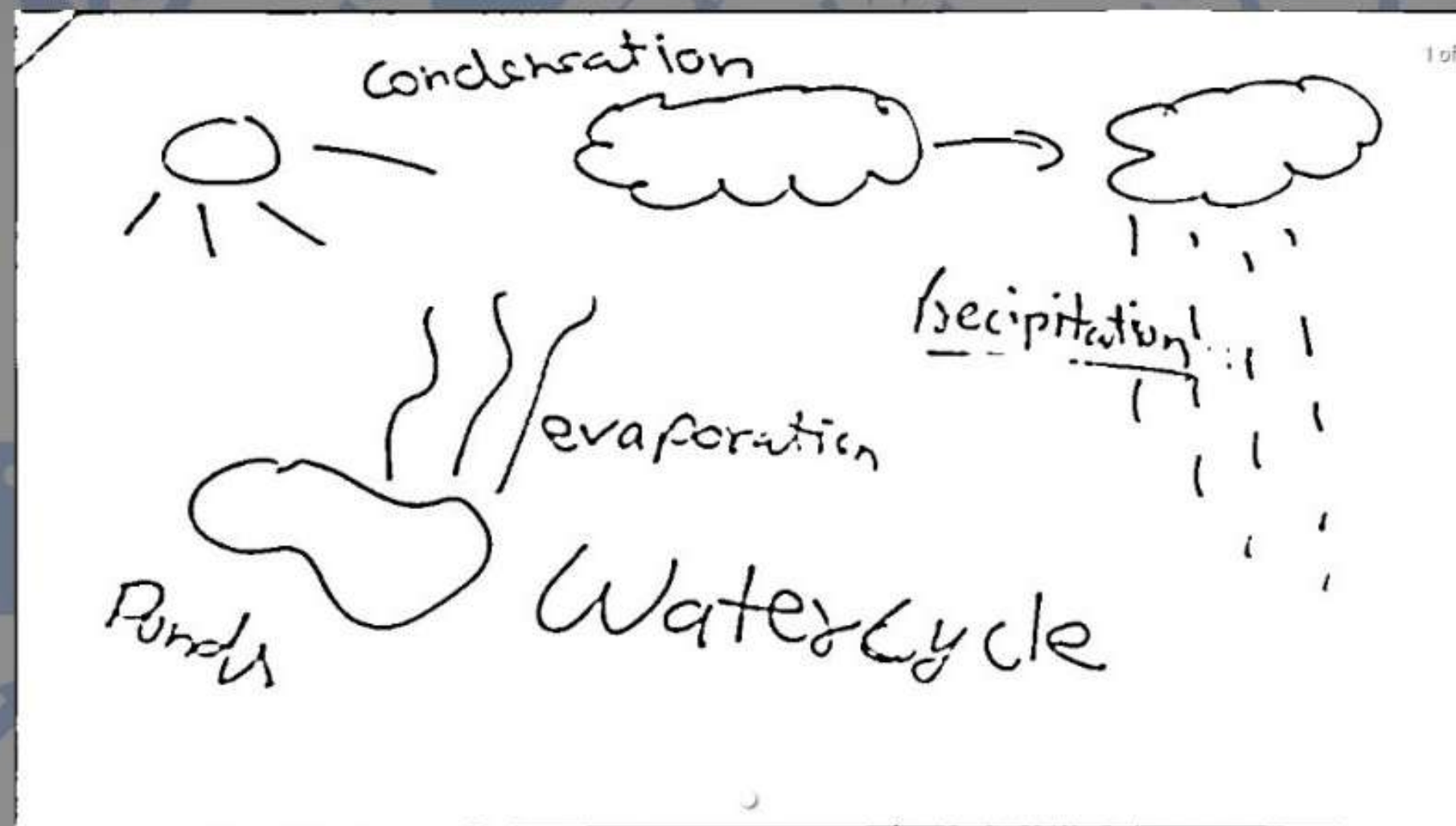
Start / End Recording

UPLOAD AUDIO

GENERATE NOTES

"Click to Generate Notes"

Snapshots Taken





Lecture Created

Heading

Instructor

"The Importance and Impact of Water Cycles on our Environment and Ecosystems."

Lecturer: Thakkar

Date created: 23/5/2023

Overview:

The lecture discusses the water cycle, which starts with the sun's rays falling onto water bodies, leading to evaporation. The water vapors then form clouds through condensation before falling back to the earth as precipitation in the form of rain or snow. This entire process is called the water cycle.

Notes:

1. Water cycles involve evaporation, condensation, and precipitation.
2. Evaporation converts water into water vapors, which then form clouds through condensation.
3. Precipitation occurs when these clouds release their water in the form of rain or snow.
4. Water cycles are essential for maintaining water flow and balance in the environment.



TECH STACK

- Use of voice recognition technology (gcp, python module,etc)
- Fine tuning available Natural language Generation model. (Pegasus and prophetnet)
- Use of opencv and own algorithm for board detection and capturing snapshots





TARGET AUDIENCE

Who are the customers you want to cater to?



Schools



Coaching centers



Organizations



Universities

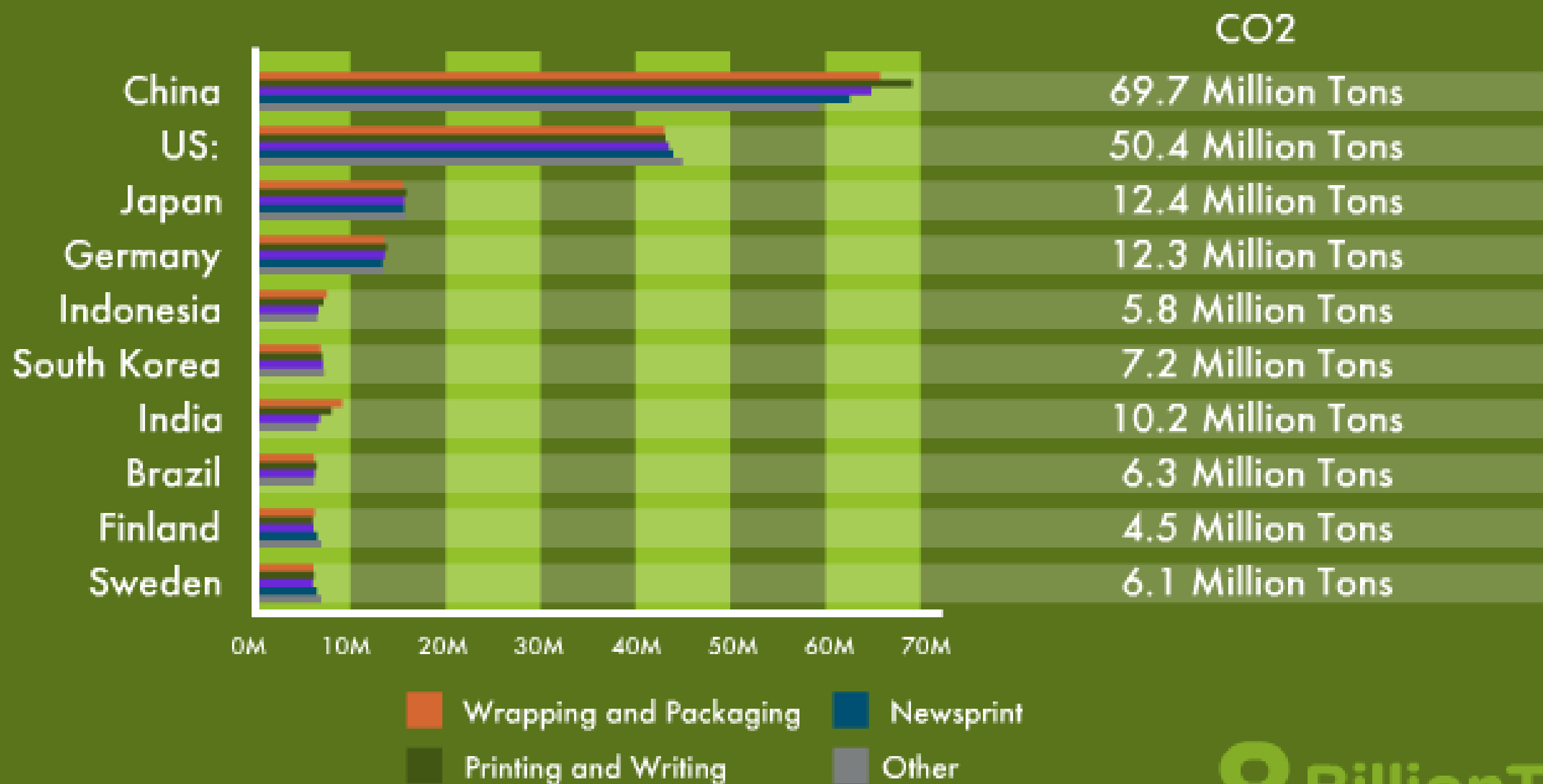


How Many Trees Are Cut Down Each Year For Paper?





Paper Production By Country



BillionTrees



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING
IEEE STUDENT BRANCH



ENVIRONMENTAL SUSTAINABILITY

- Reduction in paper usage for note-taking
- Minimization of physical note distribution, saving resources
- Lower carbon footprint associated with note creation and distribution
- By promoting digital and eco-friendly practices in educational settings, the automated system helps cultivate a sustainability mindset among students and educational institutions.



Thank You

