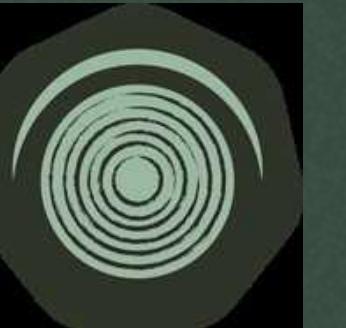


ZENMODE



A Context-Aware Focus Drift Detection Assistant

PROJECT PROPOSAL

Faculty Advisor

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Presented By:

GROUP 2

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TIRTHO MOJUMDAR





MINUTES TO REGAIN FOCUS
AFTER A SINGLE DISTRACTION

THE PROBLEM

- Students lose **2-3 hours daily** to unintentional browsing
- Average person checks phone **96 times per day**
- Digital distractions cost **\$650 billion annually** in lost productivity



WHY EXISTING TOOLS FALL SHORT

Website Blockers

- Too rigid
- Block necessary resources
- Frustrating user experience
- Easy to bypass

Simple Timers

- No context awareness
- Passive tracking only
- No guidance or feedback



Missing: Context-aware, intelligent assistance



INTRODUCING ZENMODE

A CONTEXT-AWARE FOCUS ASSISTANT THAT DETECTS
ATTENTION DRIFT AND GENTLY GUIDES YOU BACK—
WITHOUT RESTRICTIONS.



GOAL-AWARE

AI-POWERED

GENTLE NUDGES

THE KEY INNOVATION

Context-Aware
Analysis

Goal: Studying for CSE115 Exam

YouTube:

“Recursion Tutorial”

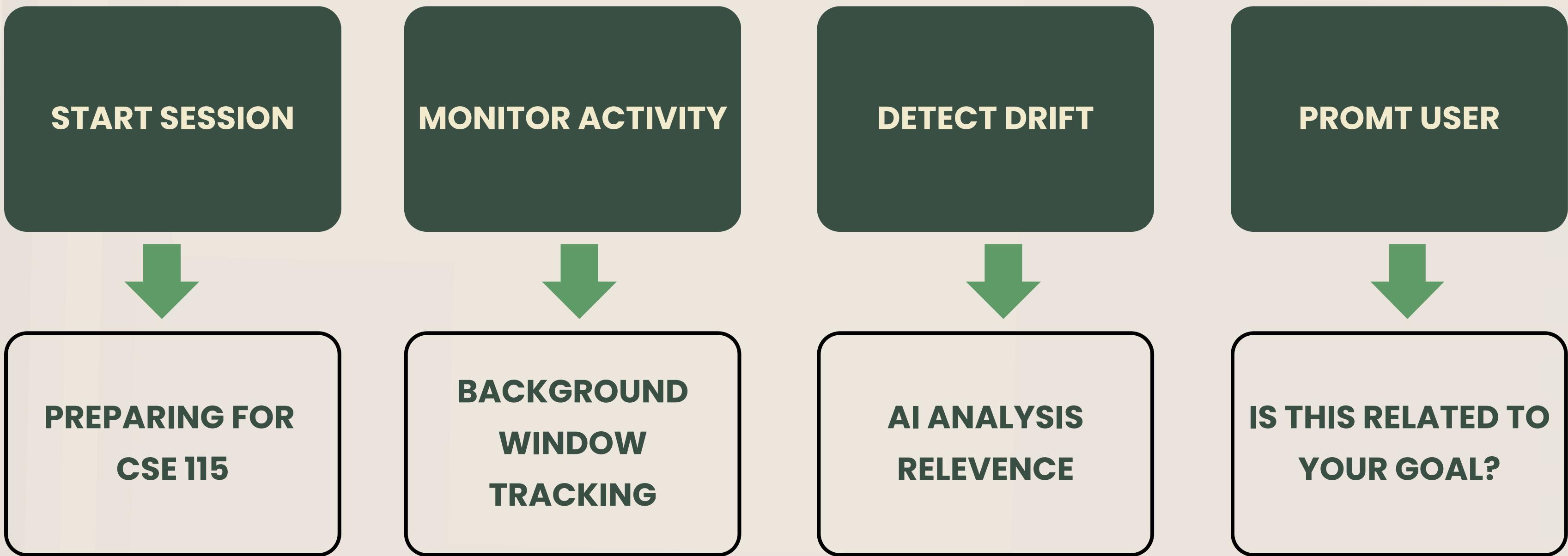
Relevant

YouTube:

“Gaming Highlights”

Distracting

HOW ZENMODE WORKS



SESSION MANAGEMENT

Define goals and start focus sessions

AI-POWERED ANALYSIS

Gemini API determines relevance of activity

CORE FEATURES

ACTIVITY MONITORING

Automatically track apps and browser tabs

PRODUCTIVITY ANALYTICS

Visual dashboards showing focus patterns

TECH STACK

FRONT END

REACT 18

TAILWIND CSS

RECHARTS

DESKTOP FRAMEWORK

ELECTRON

BACK END

REACT 18

TAILWIND CSS

RECHARTS



EXPECTED OUTCOME

Learning Outcomes

- Electron-based desktop development
- AI API integration
- Real-time system monitoring
- Modern React frontend development
- Database design and management

Project Deliverables

- Functional Windows desktop app
- Real-time activity monitoring
- AI-powered distraction detection
- Interactive productivity dashboard
- Session history and analytics



WHY ZENMODE?

As students ourselves, we experience focus challenges daily. We want to build a tool we would actually use.

**SOLVES GENUINE NEED FOR
STUDENTS**

**BALANCES FAMILIAR AND
NEW TECH**

**DEMONSTRATES FULL-STACK
CAPABILITIES**

THANK YOU FOR YOUR
ATTENTION!

