LIST OF CONTENTS

- Empathy
- Problem statement
- Define
- Ideate
- Prototype
- Test

EMPATHY

foundation of a human-centered design process

What we observed:

- **Student forget deadlines and events**

- **Users feel overwhelmed with busy schedules**

- **Event information is scattered**

Engages:

- **Google Form**

Immerse:

- **Stepping into user daily lives to understand their problems and needs**
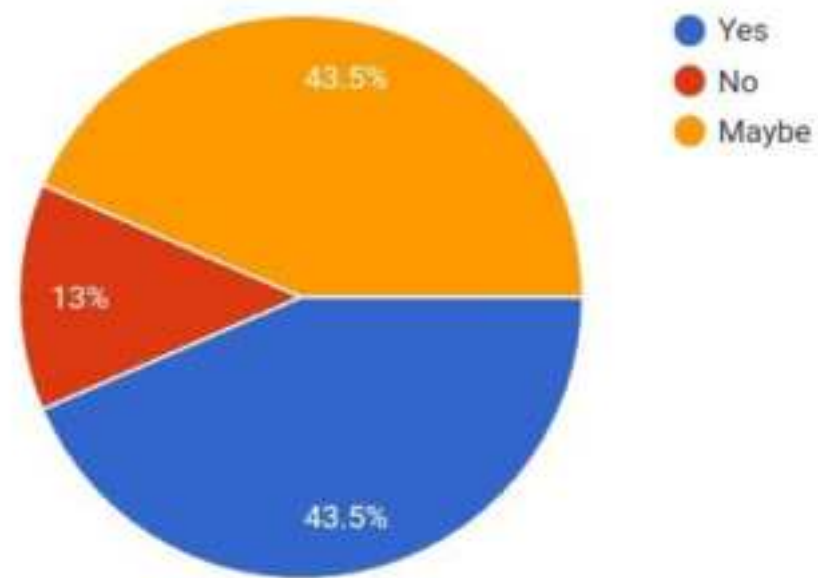
Current Problems

DO YOU OFTEN MISS DEADLINES OR APPOINTMENTS?

📋 Copy chart

23 responses

- Yes
- No
- Maybe
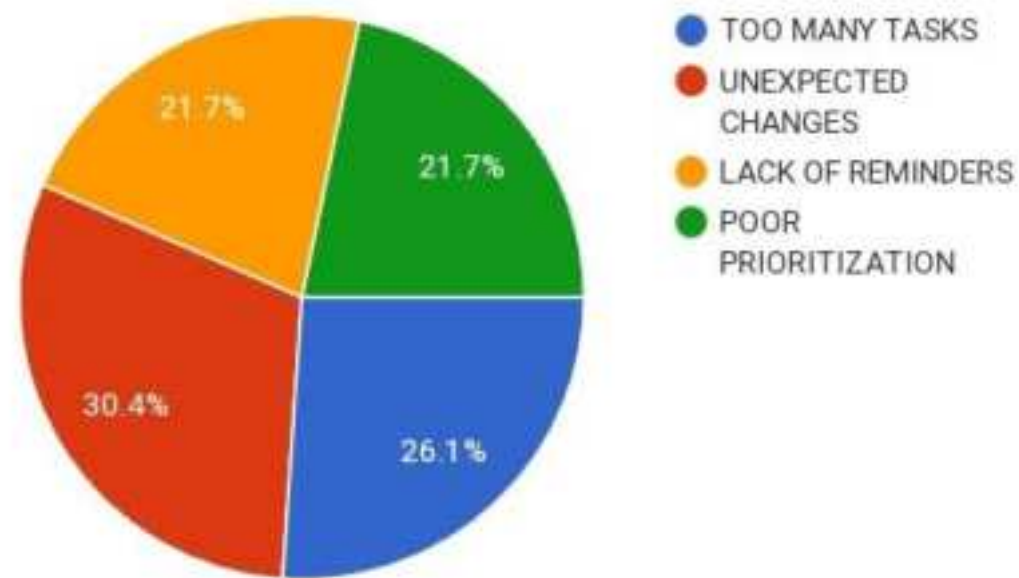
43.5%

13%

43.5%

result summary

- **43.5% answered Yes**
- **13% answered No**
- **43.5% answered Maybe**

Current Problems

WHAT CAUSES THE MOST STRESS IN YOUR DAILY SCHEDULE?

23 responses

- TOO MANY TASKS
- UNEXPECTED CHANGES
- LACK OF REMINDERS
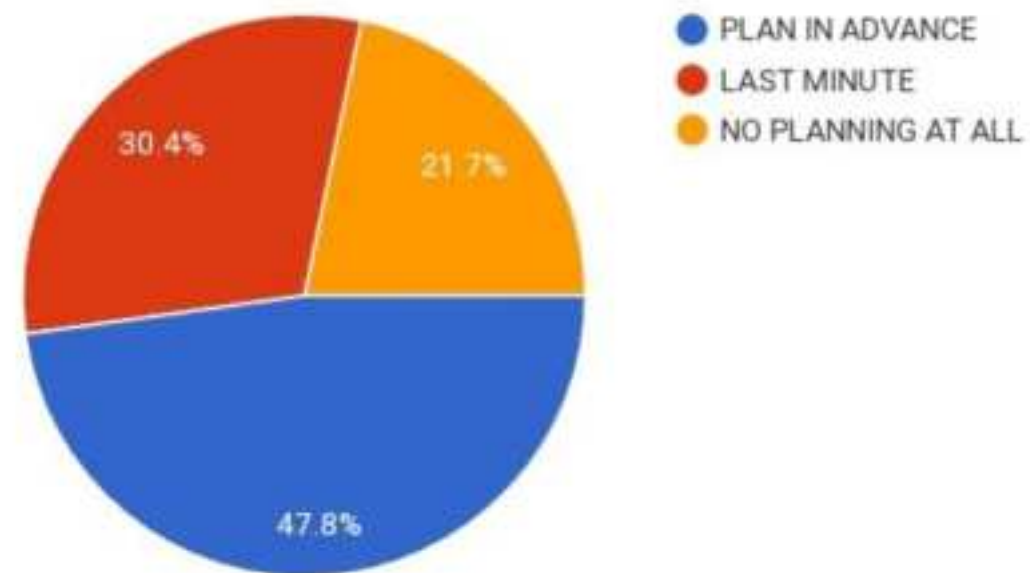- POOR PRIORITIZATION

21.7%
21.7%
30.4%
26.1%

result summary

- **21.7% answered Poor Prioritize**
- **21.7% answered Lack of Reminders**
- **30.4% answered unexpected changes**
- **26.1% amswered too many tasks**

Current Problems

DO YOU USUALLY PLAN YOUR SCHEDULE IN ADVANCE OR LAST MINUTE?

Copy chart

23 responses

- PLAN IN ADVANCE
- LAST MINUTE
- NO PLANNING AT ALL

30.4%
21.7%
47.8%

result summary

- **30.4% answered Last Minutes**

- **47.8% answered Plan in Advance**

- **21.7% answered No Planning**
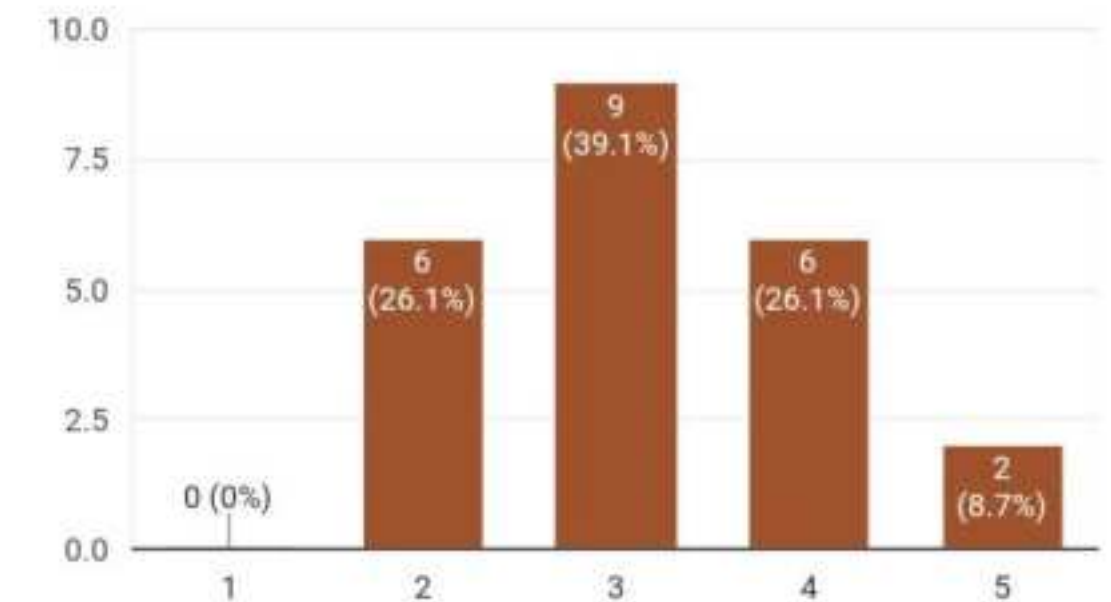
Current Problems

result summary

- **39.1% answered 3**
- **26.1% answered 4&2**
- **8.7% answered 5**

HOW OFTEN DO YOU FEEL STRESSED ABOUT YOUR SCHEDULE?

Copy chart

23 responses

indicator ~ (never)1.....................5 (always)
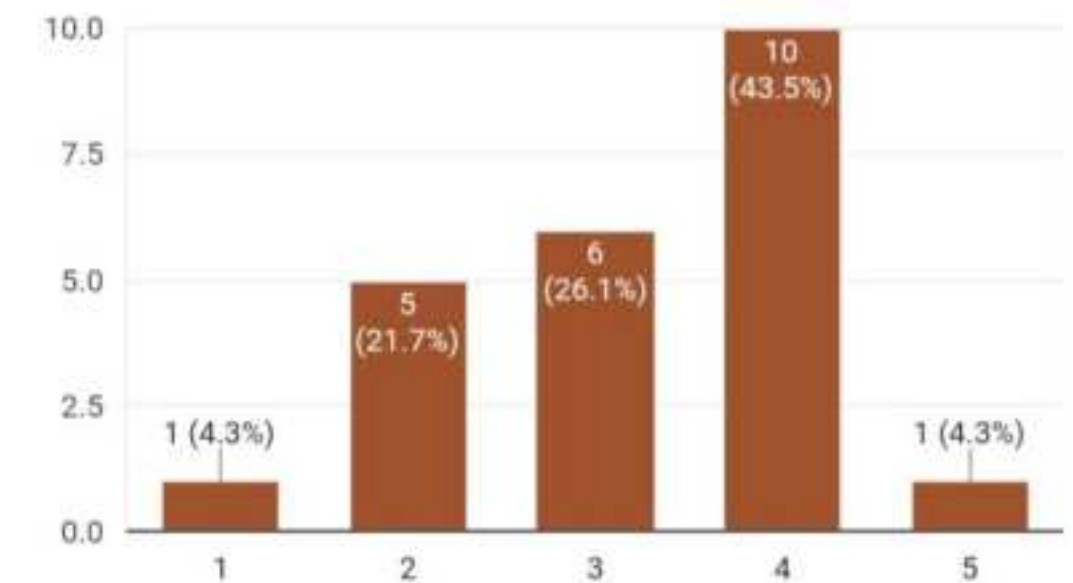
Current Problems

result summary

- **26.1% answered 3**
- **43.5% answered 4**
- **21.7% answered 2**

HOW OFTEN DO YOU FORGET IMPORTANT TASKS AND DEADLINE?
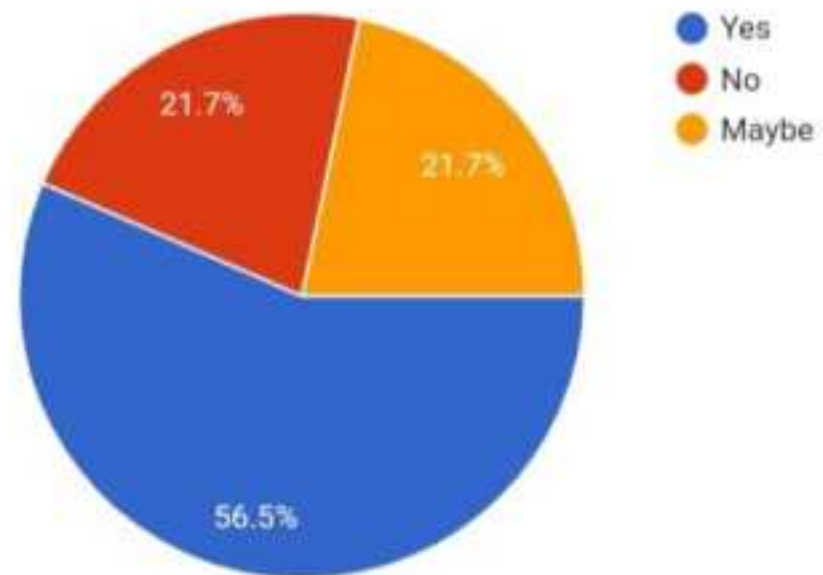
Copy chart

23 responses

1 (4.3%)
5 (21.7%)
6 (26.1%)
10 (43.5%)
1 (4.3%)

indicator ~ (never)1.....................5 (always)

Needs and Preference

WOULD YOU TRUST AI TO ADJUST YOUR SCHEDULE AUTOMATICALLY?

23 responses

- Yes
- No
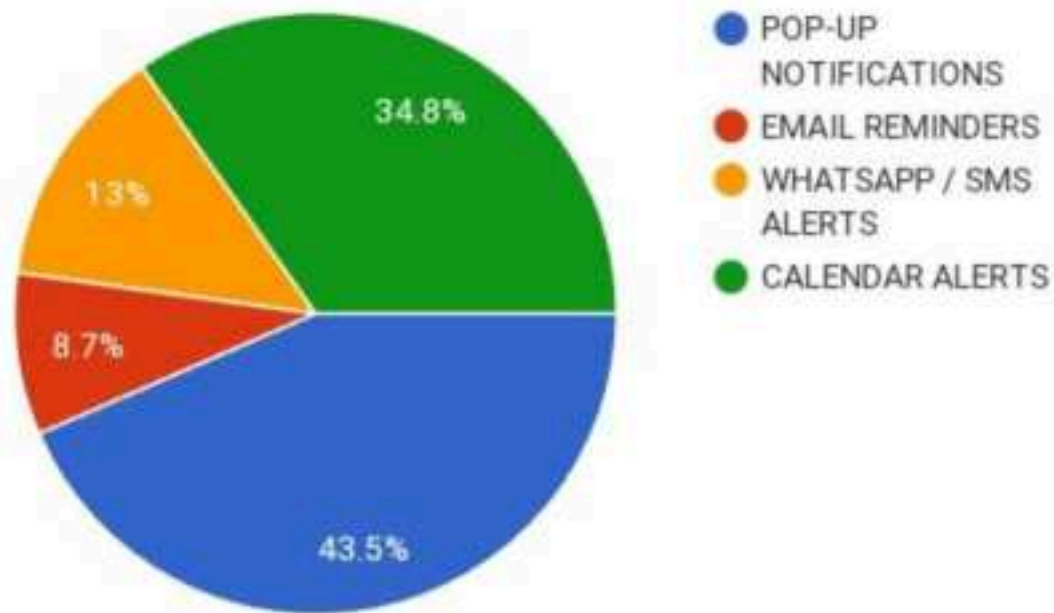- Maybe

21.7%

21.7%

56.5%

result summary

- **56.5% answered Yes**
- **21.7% answered No**
- **21.7% answered Maybe**

Needs and Preference

WHICH TYPE OF REMINDERS DO YOU PREFER?

23 responses

- POP-UP NOTIFICATIONS
- EMAIL REMINDERS
- WHATSAPP / SMS ALERTS
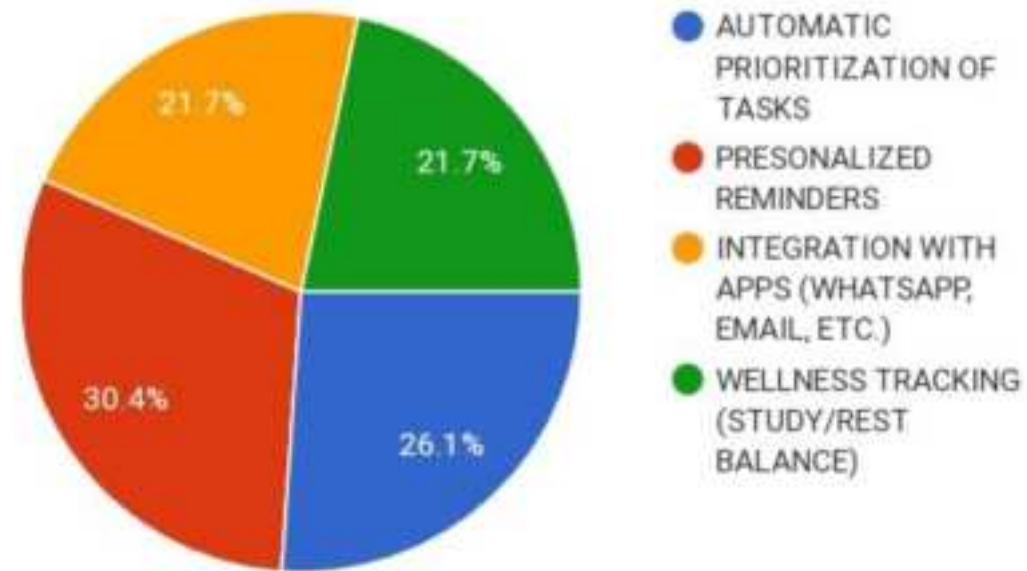- CALENDAR ALERTS

34.8%
13%
8.7%
43.5%

result summary

- **34.8% answered calender alerts**

- **43.5% answered pop-up notifications**

- **13% answered Whatsapp/Sms alerts**

- **8.7% answered email remainders**

Needs and Preference

WHICH FEATURES WOULD YOU VALUE MOST IN A SMART SCHEDULE?

23 responses

- AUTOMATIC PRIORITIZATION OF TASKS
- PRESONALIZED REMINDERS
- INTEGRATION WITH APPS (WHATSAPP, EMAIL, ETC.)
- WELLNESS TRACKING (STUDY/REST BALANCE)

result summary

- **21.7% answered integration with apps and wellness tracking**

- **30.4% answered presonalized reminders**

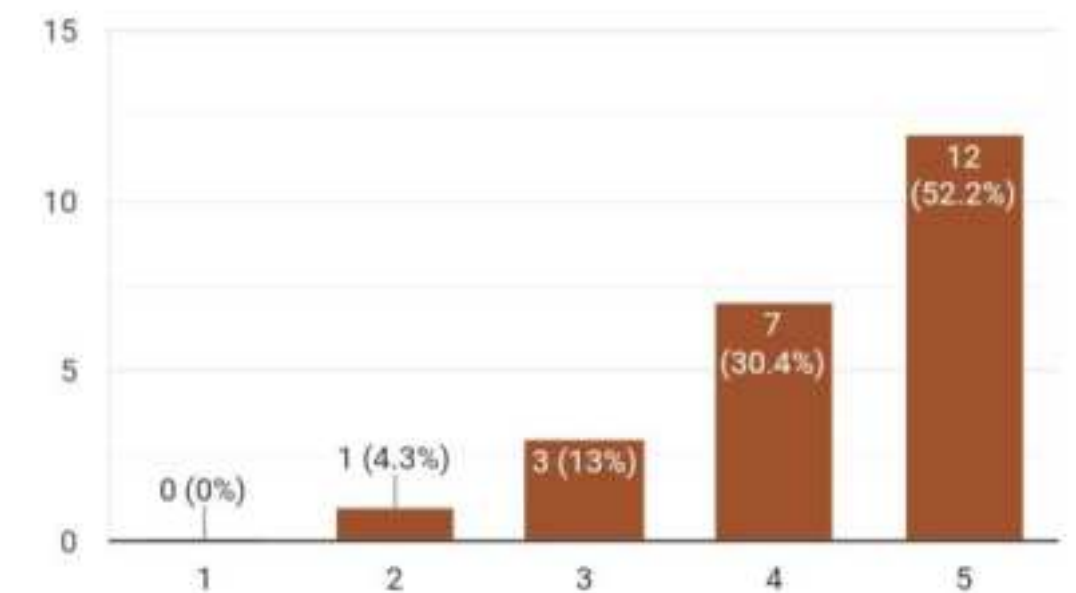- **26.1% answered automatic prioritize of tasks**

Current Problems

result summary

- **52.2% answered 5**
- **30.4% answered 4**
- **13% answered 3**

HOW IMPORTANT IS PERSONALIZATION IN A SCHEDULLING TOOL?
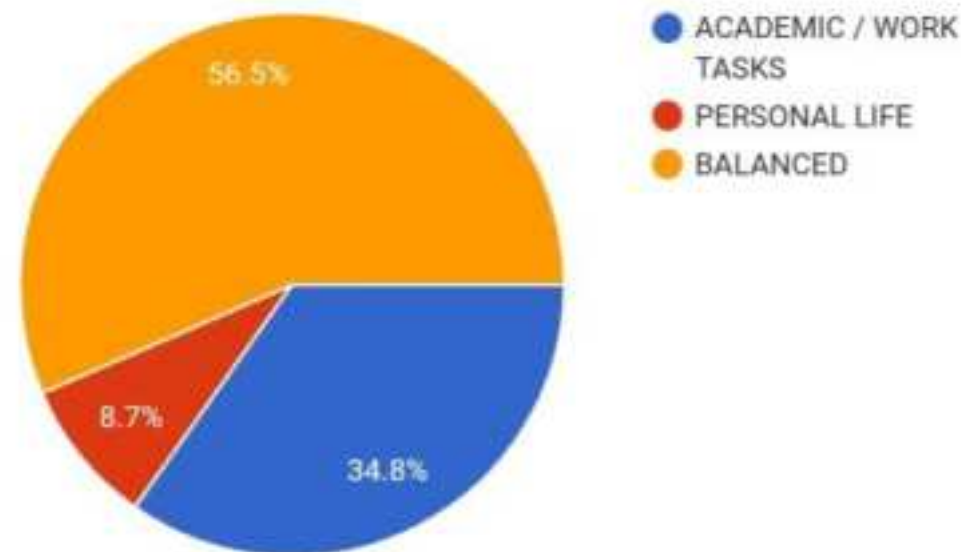
23 responses

Copy chart

indicator ~ *(not important)1.....................5 (very important)*

Ideal Scheduling

WOULD YOU PREFER YOUR SCHEDULE TO PRIORITIZE ACADEMIC/WORK TASK OR PERSONAL LIFE FIRST?

23 responses

- ACADEMIC / WORK TASKS
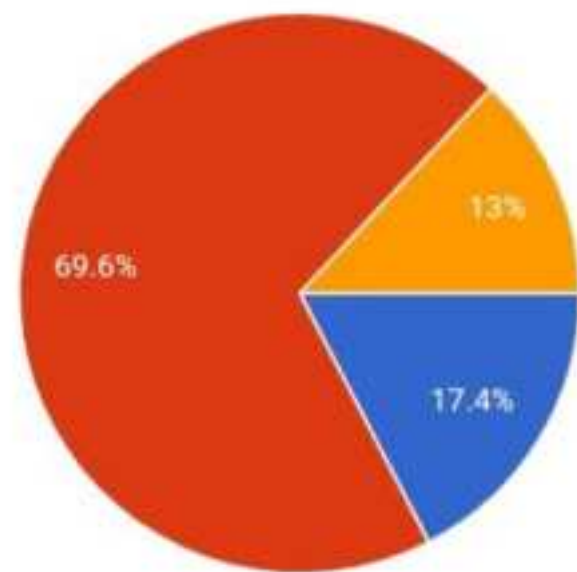- PERSONAL LIFE
- BALANCED

56.5%

8.7%

34.8%

Copy chart

result summary

- **56.5% answered Balanced**

- **34.8% answered Academic/Work Tasks**

- **8.7% answered Personal Life**

Ideal Scheduling

WHAT BALANCE WOULD YOU PREFER IN YOUR DAILY SCHEDULE?

23 responses

- MOSTLY STUDY / WORK, LITTLE REST
- BALANCED STUDY / WORK AND REST
- MORE REST AND LEISURE THAN STUDY WORK
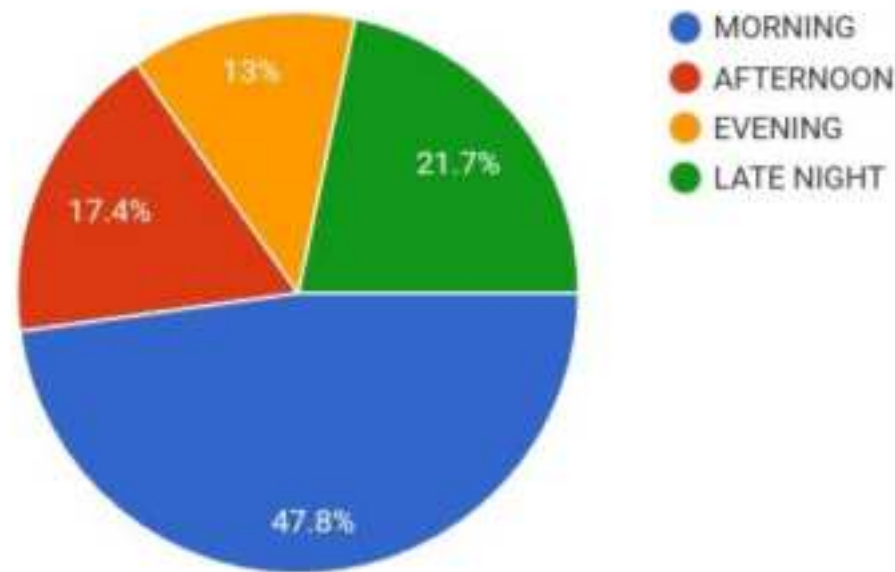
result summary

- **69.6% answered Balanced**

- **17.4% answered Mostly study/Work**

- **13% answered More Rest and Leisure**

Ideal Scheduling

WHEN DO YOU FEEL MOST PRODUCTIVE DURING THE DAY?

Copy chart

23 responses

- MORNING
- AFTERNOON
- EVENING
- LATE NIGHT

13%
17.4%
21.7%
47.8%

result summary

- **47.8% answered Morning**

- **21.7% answered Late Night**

- **17.4% answered Afternoon**
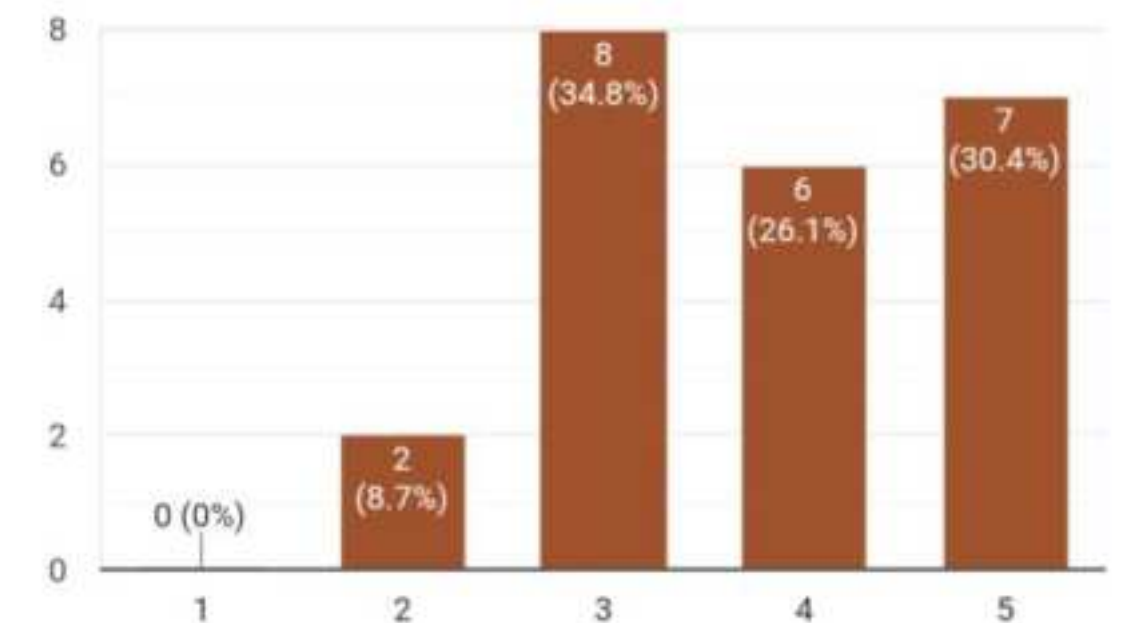
- **13% answered Evening**

Current
Problems

result summary

- **30.4% answered 5**

- **26.1% answered 4**

- **34.8% answered 3**

HOW FLEXIBLE SHOULD YOUR SCHEDULE BE?

23 responses

Copy chart

indicator ~ _(Strict)1..................5 (Flexible)_

DESIRABLE (HUMAN)

Users want a tool that thinks for them and helps manage time smarter

What users want:

- Easy to use scheduling system

- Less stress from overlapping events

- Personalized recommendations

- Clear reminders and warnings

FEASIBLE (INFORMATION

Event details (time, duration)

Data sources:

What information is availble

- **Promoted event data**

- **User input**

- **Calendar history**

User-entered schedule (date and time)

User preferences

VIABLE (TECHNOLOGY)

What technology can support this:

- AI scheduling algorithms
- Conflict detection logic
- Recommendation system
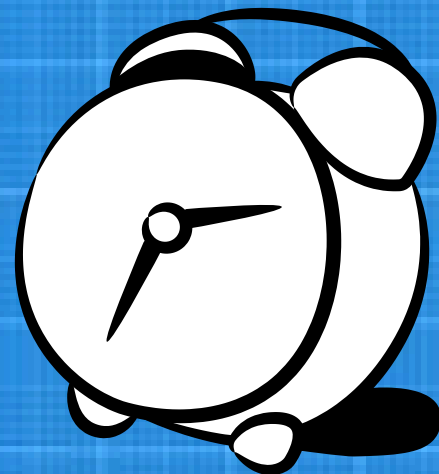- mobile and desktop app
- Cloud database

IMPACT

LESS STRESS!
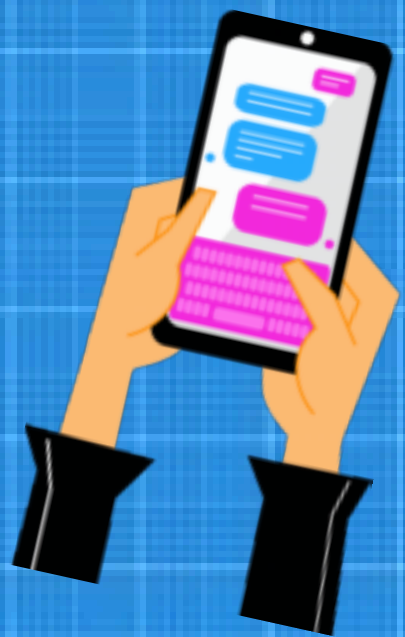
Positive impact:

- Better time management

- Reduced stress and burnout

- Users attend more relevant events

- Higher productivity

Long-term impact:

- Smarter planning habits

- Better event participation

- Useful for universities, workplaces and communities

20

Unmanaged schedule

Problem identified:

- **Users struggle to manage multiple events**

- **Overlapping schedules cause stress**

- **People miss important or useful events**

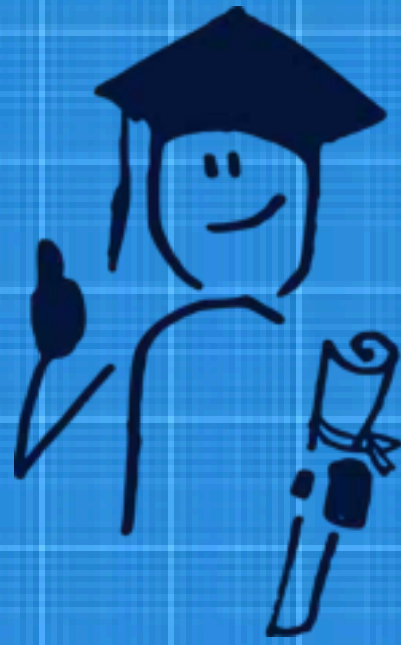- **No system checks schedule before recommending events**

21
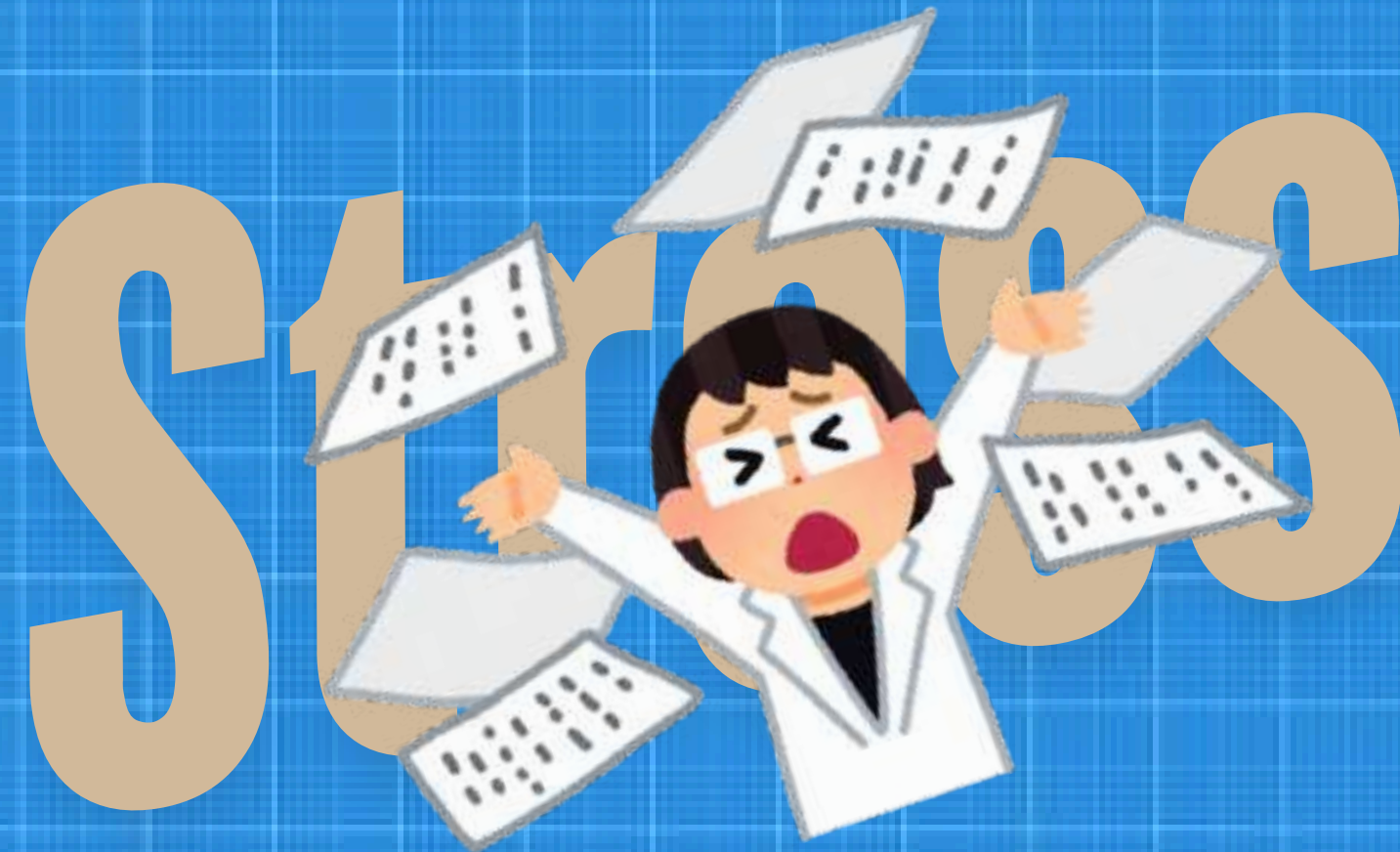
We can conclude that:

- **Current schedulling apps are manual and not smart**

- **Users need a smarter way to organize schedules and know which events they can attend without conflict**

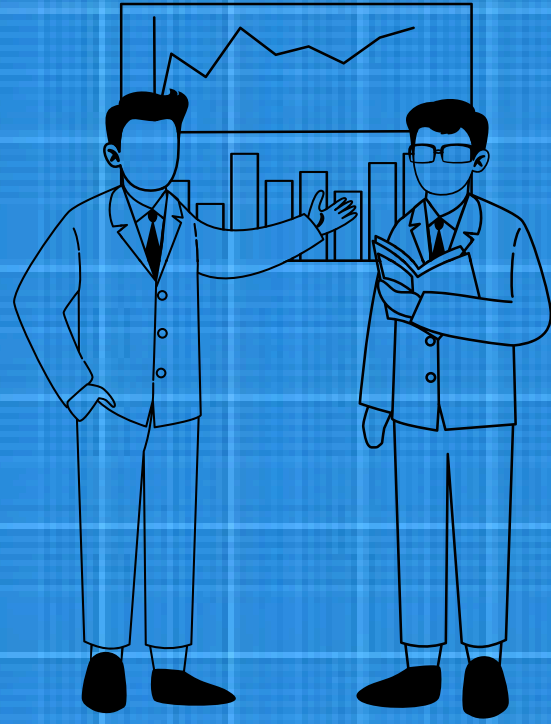# DEFINE

User needs and problems

STUDENT

Problem:

- Many classes, assignments, and presentations

- Poor time management

- Overlapping deadlines and activities

Need:

- Automatic schedule planning

- Clear reminders

- Event recommendations that fit free time

24

NON-ACADEMIC STAFF

Problem:

- Busy work schedules

- Meeting often overlap

- Difficult to plan personal time

Need:

- Smart conflict detection

- Flexible scheduling

- Work-life balance reminders

25

TEACHERS/ LECTURES

Problem:

- **Limited time availability**
- **Unsure which events they can attend**
- **No personalized recommendations**

Need:

- **Clear event suggestions**
- **Conflict warnings**
- **Simple schedule view**
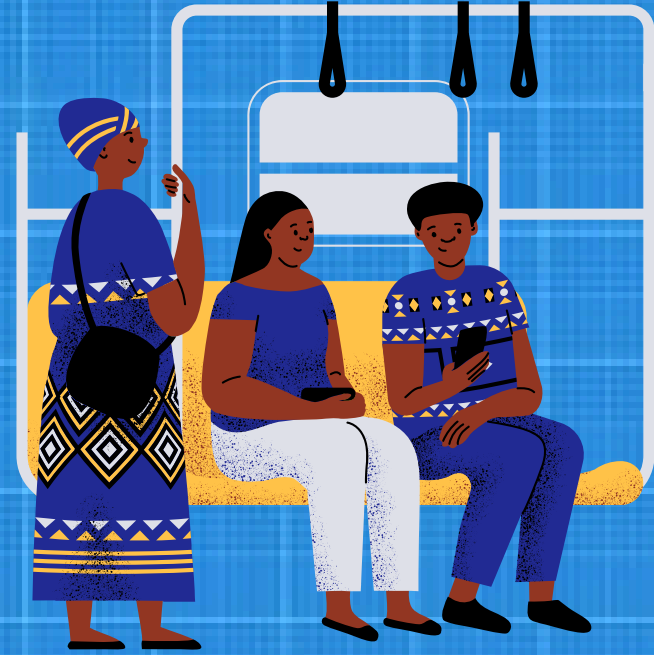
VISITORS/PUBLIC USERS

Problem:

- Limited time availability

- Unsure which events they can attend

- No personalized recommendations

Need:

- Clear event suggestions

- Conflict warnings

- Simple schedule view

27

IDEATE

mode during design process in which you focus on idea generation

Video and photos of discussing

week 1-2
Discuss with all members
About: design thinking project

AI recommends or warns based on user schedule

- Schedule fit analysis: Evaluates timing against the current schedule and constraints.

- Inline guidance: "Recommend," "Consider," or "Warning" labels on event descriptions.

- Curated event feed: Promoted events from schools, organizations, and universities.

- Personalized relevance: Filters by user interests, role, and past participation.

Promoted events are shown in-app

AI auto-organize schedule

- **Automated schedule generation:** Builds a structured plan from user-entered events, dates, and times.

- **Conflict detection:** Flags overlaps instantly and highlights impacted tasks or participants.

- **Actionable suggestions:** Offers replacements, rescheduling options, or cancellations with rationale.

- **Priority-aware optimization:** Accounts for event importance, deadlines, and preferred time windows.

- **One-click add or dismiss:** Quick actions to accept, reschedule, or hide events.

33

- Proactive reminders: Timely alerts before events and deadlines.

- Conflict warnings: Notifications when new entries cause overlaps or resource clashes.

- New event updates: Highlights newly promoted or relevant opportunities.

- Context-rich messages: Include agenda, participants, location, and proposed actions.

- Flexible delivery: Email, in-app, and push notifications with quiet hours.

Smart notifications

34

BASIC FLOWS

Users enter events details (name, date, time) that he/she want to join

The ai will generate and organize a schedule based on events that user entered

Recommended or warns by AI about another events whether it is official or non-official

When user entered the events, the AI will check if the events are overlap or not with user current schedule

If the events schedule overlap, then warn are given, or it will suggest to do some changes in user schedule

PROTOTYPE

https://aismartschedule.my.canva.site/

TEST