

# kidura



*Promoting Balanced Development and Screen  
Time Management for Children Through  
Structured Parental Support*

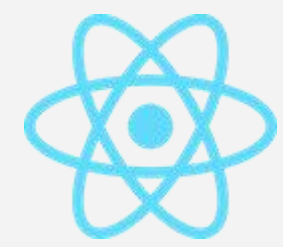
# IDEA / APPROACH

KIDURA is a platform designed to help parents manage and support their child's activities, development, and daily schedule in a balanced, engaging way.

- It offers comprehensive screen time tracking, displaying usage as both a weekly graph and a daily pie chart, allowing parents to monitor and effectively manage their child's screen habits.
- Through an "Interest Form," KIDURA allows parents to create a personalized profile for their child, listing hobbies, skills they want their child to develop, and essential details like exam timetables and school hours. This profile helps the app tailor its activity suggestions to suit the child's needs.
- Using insights from the interest profile, KIDURA suggests customized activities based on the child's screen time, interests, school schedule, and previous parental feedback. Suggested activities, such as playing chess with a family member, encourage skill-building and align with the child's interests.
- Parents can schedule selected activities with set time limits, and KIDURA notifies them when the scheduled time has ended. This allows parents to verify completion, track progress, and engage in their child's developmental journey.
- KIDURA also includes a rating system, enabling parents to provide feedback on each activity based on factors like enjoyment, new skills learned, and overall engagement. This feedback is used to refine future activity recommendations, helping to guide the child's growth.
- KIDURA features a reward system where coins are added based on the child's performance in various activities. Once a certain coin threshold is reached, the app suggests suitable rewards, such as extending screen time or planning an outdoor activity, creating an achievable and encouraging incentive structure.
- For academic goals, especially during exam periods, KIDURA assists parents in setting up study timetables that align with their child's exam schedule and school hours. The timetable can be customized to allocate more time for subjects where improvement is needed, providing targeted support for academic success.
- With easy tracking and verification, KIDURA helps parents monitor their child's adherence to scheduled activities and study timetables, ensuring that progress is tracked and goals are met in an organized manner.

# TECHNICAL APPROACH

## Client & Server Side Web Framework



React JS  
React Native



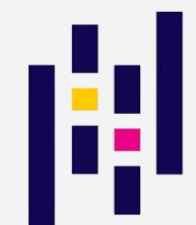
Node JS



Django



JOI



Artificial Intelligence

### Frameworks:

- 1.Langchain
- 2.Scikit learn
- 3.Pandas

### Models:

- 1.Google GenAI
- 2.Random Forest



Database & Cloud



mongoDB®



Cloudinary



# FEASIBILITY AND VIABILITY

## Risks & Challenges — Strategies

Units hacks 7.0

1. **Excessive Screen Time and Limited Activity Diversity** — It tracks screen time and suggests diverse activities, rewarding participation to encourage balance.
2. **Lack of Structured Skill-Building Opportunities** — It uses an “Interest Form” and AI suggestions to guide parents in scheduling personalized skill-building activities.
3. **Difficulty in Balancing Educational Goals and Leisure** — It helps to create personalized study timetables based on exam schedules, while integrating leisure activities for balance.
4. **Inconsistent Motivation and Positive Reinforcement** — Its coin-based reward system provides positive reinforcement, motivating children with achievable goals.

# IMPACT AND BENEFITS

## Impacts

- 1.Enhanced Child Development:** KIDURA helps children grow well-rounded by balancing learning, play, and skill-building in a personalized way.
- 2.Stronger Parent-Child Relationship:** By involving parents in activity choices and goals, KIDURA brings parents and children closer.
- 3.Improved Screen Time Management:** KIDURA's screen time tracking helps parents encourage healthier digital habits for better focus and well-being.
- 4. Encouragement of Positive Habits and Rewards:** KIDURA's reward system motivates children to complete tasks and form positive, goal-oriented behaviors.

## Benefits

- 1.Community and Support for Parents:** KIDURA simplifies parenting by supporting educational activities and screen time habits, especially aiding busy parents in organizing their child's schedule.
- 2.Mental and Emotional Well-being:** It promotes balanced routines to enhance children's mental health, self-esteem, and positive engagement for long-term well-being.
- 3.Skill Discovery and Development:** KIDURA helps children explore new skills and hobbies, fostering curiosity and lifelong learning.

# RESEARCH AND REFERENCES

## 1. Smartphone Use Time and Total Screen Time Among Students Aged 10-19 and the Effects on Academic Stress: A Large Longitudinal Cohort Study in Shanghai, China

Liu Shaojie , Lan Yukun , Chen Bo , He Gengsheng , Jia Yingnan .Frontiers in Public Health.VOLUME 10, 2022.DOI=10.3389/fpubh.2022.869218,ISSN=2296-2565.

## 2. Screen time among school-aged children of aged 6-14: a systematic review

Qi, J., Yan, Y. & Yin, H. Screen time among school-aged children of aged 6–14: a systematic review. *glob health res policy* 8, 12 (2023).

<https://doi.org/10.1186/s41256-023-00297-z>

## 3. Prevalence, trajectories, and determinants of television viewing time in an ethnically diverse sample of young children from the UK

Barber, S.E., Kelly, B., Collings, P.J. *et al.* Prevalence, trajectories, and determinants of television viewing time in an ethnically diverse sample of young children from the UK. *Int J Behav Nutr Phys Act* 14, 88 (2017).

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