Fokusin

by C23-PS122

Maximize your focus with FokusIn!



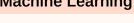




Meet Our Team!



Machine Learning





Amelia Gina S Saddam A H M169DSY1838 M169DSX1799



M169DSY1846







M M Stella C181DSY0950



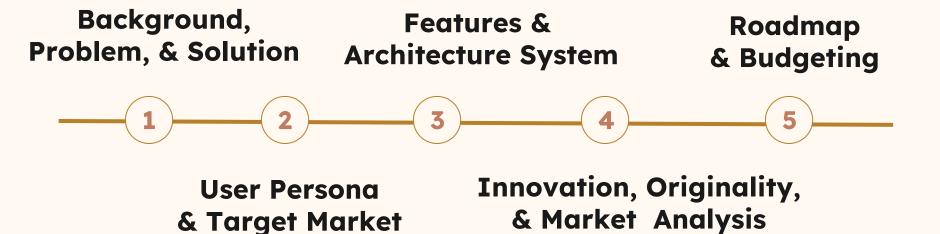
Gregorius Bhisma C181DSX1664



Mobile Development

Rahmat T A A251DKX3860







12.00s — 8.25s

Average attention spandecreased within

15 YEARS



Whoa

It is even less than goldfish that have 9 second average attention span



Source:

https://www.supportivecareaba.com/statistics/average-attention-spanhttps://journals.physiology.org/doi/pdf/10.1152/advan.00109.2016

Be Careful!

Short attention spans can lead to:

- Poor performance at work or school
- Inability to complete daily tasks
- Missing important details or information
- Communication difficulties in relationships
- Poor health related to neglect and inability to practice healthy habits

Source:





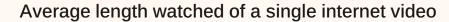
Average user picks up their phone more than

1,500

Times a week, taking up average of 3 hours and 16 minutes a day

Source:







2.7 minutes

Problem Statement



How does a web and mobile application aid in increasing attention span of the user?



Folkusing Folkusin

Fokusin



Age: 20

Status: Online learner

Menta is a diligent and driven student who is committed to optimizing her learning experience.

Menta Mentinii

User Persona

Quotes:

"Tracking my focus level allows me to gain a deeper understanding of my learning patterns and optimize my study sessions."

Frustration:

- Her level of focus is compromised during online learning or synchronous activities.
- Distractions and interruptions hinder her ability to fully engage with the study material

Motivation:

By tracking her level of focus, she aims to identify areas where her concentration may be lacking and implement strategies to improve her overall learning experience.

Goal:

- Monitor her level of focus during online learning sessions and synchronous activities.
- Gather personal statistics that reflect her attention span, the frequency of distractions, and the quality of her engagement.
- Make informed adjustments to her study routine and implement techniques that enhance her ability to concentrate effectively.



Age: 30

Status : School

Counselor

Hokus is a School Counselor with a strong dedication on optimizing students productivity.

Hokus Pokus

User Persona

Quotes:

"Maintaining focus is the key to unlocking our true potential and achieving remarkable results."

Frustration:

- He thinks that **students struggle to maintain** a high level of **focus**
- He understands that **distractions**, both internal and external, can **hinder productivity** and lead to frustration among students and teachers

Motivation:

He understands the **importance of concentration in achieving individual and team learning goals**, and they are determined to alleviate the frustration caused by lack of focus and create an environment that supports and nurtures employee concentration.

Goal:

- implement effective monitoring systems that provide valuable data on students focus levels while respecting privacy.
- Gain valuable insights and create reports based on that data.

Target Market



Online Learners

According to the data from class central, more than 180 million people uses MOOCs in 2020.



Educators

Facial expression recognition guides teaching strategies based on students' expressions and comprehension. Research indicates real-time assessment of learning engagement in MOOCs.



HR

40% of Fortune 500
companies use E-learning with
facial expression recognition
to track employee focus and
emotions, identify areas that
need support, optimize
programs, and evaluate
effectiveness.

Why they needs our solution?





Our application can enhance the online learning experience by measuring and improving focus endurance to optimize learning outcomes.



Educators

By using our application, educators can identify areas for improvement and adjust teaching strategies accordingly.

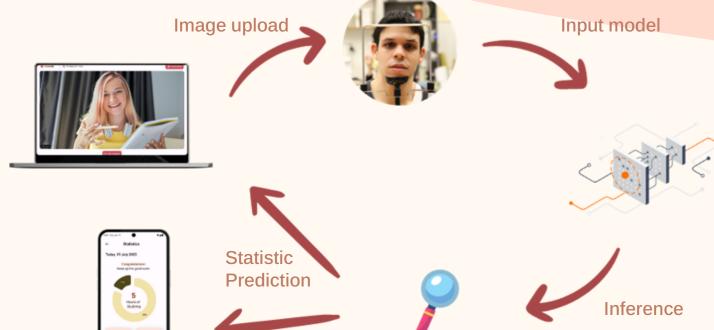


HR

HR can use our application to track employee focus during online training, optimize programs, and evaluate their effectiveness.

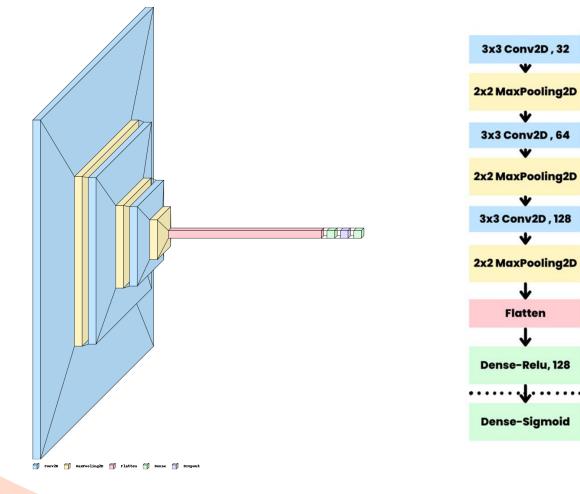


Prediction Flow



Machine Learning





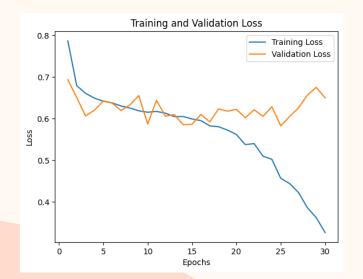


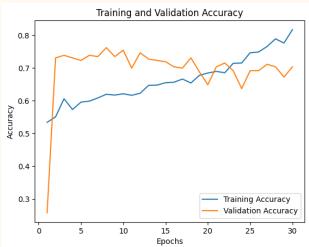
Dropout 0.5



Model Development

Machine Learning







Future Development



Detecting distraction



Cloud Computing RESTful API https://fokusin-api-ejh5i5glpg-et.a.run.app https://fokusin-model-ejh5i5qlpq-et.a.run.app Powered by **Web Application Our works** https://capstone-project-fokusin.et.r.appspot.com Powered by

5 — Database

Powered by

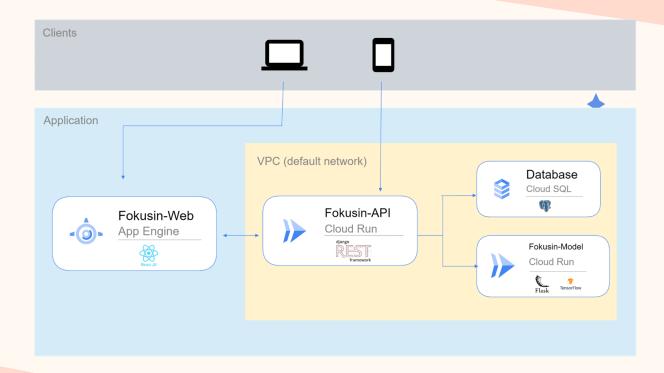




FokusIn



Our Cloud Architecture



Innovation Excellence & Originality







FokusIn

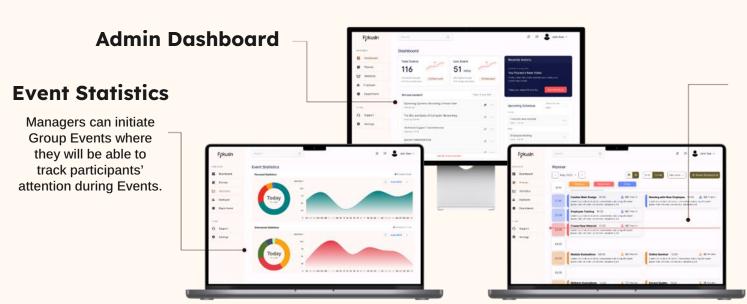


Freshness detection feature	V	X
Statistic	V	V
Can be used in laptop/pc	V	х
Reliable output	V	x
Blocking another app	Future development	X
Schedule future session	Future development	v
Global study group	Х	V
Security	Future development	V



Introducing Our (In Development)

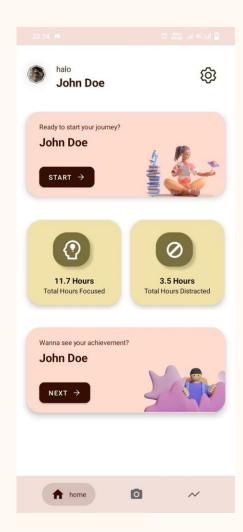
Corporate Solution



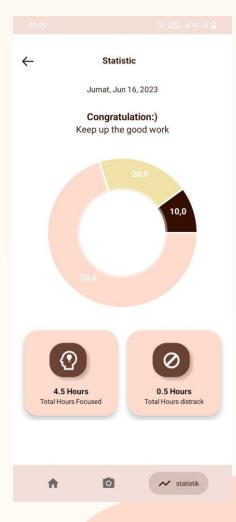
Event Planner

Managers can initiate Group Events where they will be able to track participants' attention during Events.

Introducing Our (In Development) Mobile Application









TAM, SAM, SOM Analysis

69.3% of Indonesia's population is in the productive age category (15-64 years) by databoks, which is certainly attached to the word "learning and working".

The pandemic has caused an TAM: increase in the trend of online 273 Million Total learning, one of which is Indonesia, Indonesian population so the population of Indonesia is our TAM. SAM: 190,83 Million Indonesian Population in Productive Age 40.7% of Indonesia's population is SOM: in the high level learning age 111,27 Million Indonesian category (15-34 years) from high Population in Productive Age school to doctoral level and active With Gadget employee with gadget...

SWOT Analysis

Strength

- Fokusin offers advanced Al-based technology that can accurately track student/employees' as well as personal users focus and provide valuable insights and metrics.
- Fokusin can **improve efficiency** by automating data collection and analysis for employees productivity.

Opportunity

- Fokusin can provide real-time feedback/insight,
 enabling HR/Educators to proactively address
 employees'/students performance issues.
- By offering a unique tracking system, FokusIn can differentiate from the market and attract businesses looking for innovative solutions to track employee performance.

Weakness

- Implementing camera raises **privacy concerns** among employees and individuals.
- As a fresh and emerging company, FokusIn might face challenges in securing finances and effectively selling the product.

Threat

- **Stringent regulation or legal challenges** related to **employee privacy** since we access their cameras.
- The tracking system may encounter technical issues such as bugs, downtime or error which could disrupt the result and impact employees'/students trust in systems accuracy.

Schools

Online Learning Platforms

Human Resource

Departments

Business Model Canvas

The costs incurred to operate a business model

Model RnD

Marketing

Salary

Infrastructures

KEY PARTNERS KEY ACTIVITIES VALUE PROPOSITION CUSTOMER RELATIONSHIPS CUSTOMER SEGMENTS The network of suppliers and partners that make the business Product, service, features and The types of relationships you establish with specific customer The different groups of perople or organizations you aim to reach The most important activities a company must do to make its aspects that create value for a model work business work specific customer segment segment **Attention Tracking Daily Progress HR Managers Activity Attention** Statistics **School Counselors KEY RESOURCES** CHANNELS The most important assets required to make the business work How you communicate or deliver value proposition to your target customers Engineers **Digital Marketing Company Managers Direct Marketing** COST STRUCTURE REVENUE STREAMS

Legal

The revenue you generate from each customer segments

Corporate Subscription

FokusIn RoadMap



Budgeting 1

+	Fokusin
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Category	Proportions (max)	Budget (max) in USD
Team Salary	25.7%	\$1.285 / Rp 18.000.000
Research/Operational 1. GCP Resources 2. Marketing Campaign 3. Survey and Data Collection 4. Legalities, Patent/Copyright registration, product certification. 5. Learning/capacity building 6. Prototyping 7. Infrastructure 8. Transportation Expenses 9. Additional salary for external experts, observers, or respondents	74.3%	\$3.715 / Rp 52.000.000
Total	100%	\$5.000 / Rp 70.000.000



Budgeting 2

|--|

Category	Proportions (max)	Budget (max) in USD
All aspects covered in Budgeting -1	50%	\$5.010 / Rp 70.000.000
Additional Budget for Team Salary	7.8%	\$780 / Rp11.000.000
Additional Budget for Research/Ops	11.8%	\$1.180 / Rp 16.500.000
Other expenses: 1. UX Researcher 2. Accounting consultant 3. Legal consultant 4. Marketing agency	7.2%	\$720 / Rp 10.000.000
Future Development/R&D	14.2%	\$1.420 / Rp 20.000.000
Other (tax, reserves)	9%	\$900 / Rp 12.500.000
Total	100%	\$10.000 / Rp 140.000.000



Thank you!

N bangk!t

