

Figri

1. Good Afternoon Ladys and Gentleman // we are from NutriGenius Today I'm Going to present about our project

2. Before we Jump into the topic, let me mention our great team member who work on this project. There is Teuku Nurmansyah as Mobile Development Role, Figri Rasyidiq and Ahnaf Zalfa as Machine Learnig Role, As'ad Reza Amaanullah, Pieter Rafael Johansz and Rizki Santriani as Cloud Computing Role

3 Ahnaf

Stunting is a nutritional problem that needs special treatment, especially in poor and developing countries. Literally, stunting is a condition of failure to grow in children under five caused by chronic nutritional deficiencies and the inability to meet the child's nutritional standards.

Based on research data from the Ministry of Health, before the COVID-19 pandemic, around 6.3 million out of 23 million Indonesian toddler population experienced stunting. In fact, the prevalence of stunted toddlers in Indonesia in 2019 reached 27%. This puts Indonesia in fourth place globally as the country with the highest cases of stunting.

4. Ahnaf

So, Why should we put a caution on this case?

The first cause is human right issue, If left unchecked for a long time, Indonesia will indirectly ignore human rights in terms of the welfare of its people.

Second, it will have negative impact on our economy, because stunting will have an impact on the country's economic progress due to inadequate human resources.

Third, Indonesia has the potential to get a bad reputation in the international world, which is correlated with stunting cases which are still high.

So we are standing here to hold the cause through NutriGenius while contributing to our Nation

5. Ahnaf

Of course, all parties involved want to create new breakthroughs to reduce the frequency of stunting in Indonesia. Various efforts have been made to achieve this. In our group, we take the initiative to differentiate through certain features:

1. Food scanning feature that shows the nutritional levels contained
2. Article features as a form of education for parents
3. Consultation feature with nutrition experts to obtain constructive recommendations

Our group see that these three points are still rarely found in other product prototypes. The hope is that the features described above will maximize the real reduction in stunting in Indonesia. Next slide, will continue by pieter

6. Okay, we already get the overview of the background. Now, The core of NutriGenius, Is an innovative project that aims to overcome the problem of stunting in Indonesian children through a combination of technology and nutrition education.

7. Nutrition Monitoring. We provides recommendations for balanced menus and nutritious food recipes according to the nutritional status of the child. Users can also obtain information regarding the urgency of certain nutritional intake for children's optimal growth.

8. Recommendations Feature. Provides recommendations for balanced menus and nutritious food recipes according to the nutritional status data entered. Users can also obtain information regarding the urgency of certain nutritional intake for children's optimal growth.

9. Nutrition Education. Provides health articles and educational information about nutrition to help inspire parents to understand their children's nutritional needs.

10. Provides food photo-taking services using cell phone cameras; The application will automatically identify types of food and provide an overview of their nutritional

composition, making it easier for users to make wise decisions regarding their child's growth and development.

11. Ahnaf

This project not only includes the development of machine learning models, but also TensorFlow allows exploration into deep learning approaches that can improve model performance beyond traditional models. Next

12. Ahnaf

For mobile application developed with a focus on using the latest tools in mobile development. The app aims to provide an intuitive and engaging user experience in recording and organizing daily life.

13. Ahnaf

This project use integration between Node.js, Firebase, and Google Cloud Platform to provide a stable, scalable, and user-friendly cloud solution for team task management. The next slide will be explain by Teuku

14-17. Teuku Nurmansyah Puteh

Here i will be explaining the flow of the application

Upon opening the NutriGenius application, users are greeted with a welcoming page featuring two prominent options: "Login" and "Register." For those who are new to the application, the registration process begins by clicking on the "Register" button. This action seamlessly transitions users to the Register page, where they are prompted to input essential information such as a username, email, and password. Following a successful registration, users are automatically directed to the Login page, where they enter their credentials and proceed to log in.

Once logged in, users are ushered into the dynamic and informative Home page. Here, a list of associated children is displayed, and users can seamlessly navigate between crucial sections of the app using a bottom navigation bar. If the user hasn't added any children yet, a convenient floating button prompts them to do so, leading them to the Monitoring Add Page.

The Monitoring Add Page is where users can input vital information about their child, including name, sex, age, weight, height, allergies, and chronic disease history. After submitting the form, users are redirected back to the Home page, now featuring the newly added child in the list.

Clicking on a child's name in the list opens the Monitoring Page, providing a comprehensive overview of the child's data, nutrition condition (expressed as an index number), and personalized recommendations for improvement. Users can also edit their child's information from this page, ensuring the data is always up-to-date and reflective of the child's current health status.

Beyond monitoring individual children, the app offers a Food Scanning Page, accessible through the bottom navigation bar. Here, users can capture photos of food, allowing the system to analyze nutrients and provide real-time feedback on the suitability of the food for their child, based on the child's unique nutritional needs.

Additionally, the List of Articles Page offers users a wealth of nutrition tips. Clicking on an article redirects users to an Article Detail Page, offering in-depth information on the selected topic. Lastly, users can access their profile information via the Profile Page.

18. In strategizing the local deployment of NutriGenius, we're meticulously engaging key stakeholders, aligning with local health authorities and community organizations. Our focus includes optimizing the app for local infrastructure, ensuring a smooth integration process. With a user-friendly onboarding system in place and community-centric engagement initiatives, we aim to create widespread awareness and accessibility.

Simultaneously, our business pitch emphasizes NutriGenius's value, highlighting user-friendly features, real-time monitoring, and positive impacts on childhood nutrition. The go-to-market proposal entails a targeted marketing approach, competitive pricing, and strategic partnerships with local institutions for extended outreach. This comprehensive strategy is designed to seamlessly introduce NutriGenius to the local community, aligning with their needs and promoting sustainable health initiatives.

19. So who exactly our market target? first, we aim parents or caregivers wick commonly have direct contact to their children, Then, we also aim for health instructor or personal trainer and medical workers to help them diagnosing stunting and anticipating it more effective and efficient

20.

21. And That marks the end of our presentation regarding our project NutrgiGenius
thank you everyone for listening