Title Slide：Team AI Assistant APP

General information：

Hello, everyone. The innovation of our team is the team AI assistant app. In recent years, AI has been widely used in our life, such as automatic driving, intelligent chat robot and so on. However, according to our investigation, it is found that the application of AI in team cooperation is very few, and our innovation will be a breakthrough in this aspect.

Speaking of its working process, our software is mainly used in a variety of different team projects. After it receives the undetailed outline of the project, the team AI assistant app can expand the undetailed outline into specific implementation plans and reasonable suggestions. In addition, the team assistant has functions such as resource optimization, cost control, risk management and early warning.

It aims to help teams establish clear direction and architecture at an early stage, provide an intelligent tool to improve the management of team projects, and aim to enable project teams to complete projects more efficiently and reduce possible problems in team cooperation.

Background:

There exist only a few applications of AI in team cooperation field. Therefore, we aim to launch an innovation in this field. AI team assistant aims to provide support to team project and prevent potential risk from teams.

Working Process:

STEP ONE: Receives the undetailed outline of the project.

STEP TWO: Convert into specific plans.

STEP THREE: Offer reasonable suggestions on resource allocation, cost control, risk management and monitoring and alerting.

Purpose and Goal:

1. Help teams arrange plans and assign tasks.
2. Improve the management of team projects.
3. Reduce the management of team projects.

Benefits of the Innovation：

First, improve the efficiency of team cooperation. The team AI assistant app can automatically execute specific task formulation, generate optimized project plan based on resource and demand priority analysis, and reasonably arrange time planning and personnel division. In addition, it can track the project progress and analyze a large amount of data, while ensuring the project progress, reduce the human error brought by the project manager in the management of the project.

Second, real-time decision adjustment and flexibility. Due to the uncertainty of business requirements and actual development conditions, project plans often need to be adjusted to adapt to new changes. The team's AI assistant app can adjust plans based on new changes and predictions based on data analysis based on real-time monitoring. It can provide advice on how to reallocate resources, adjust schedules, or optimize the order of tasks to ensure that the project stays on track.

Third, resource optimization and cost control. At the initial stage, the team AI assistant app can provide the team with the most reasonable choice according to the budget, and allocate human, material and financial resources according to 1) to ensure the best use of resources. And by reducing waste and redundancy, enterprises can achieve higher productivity and lower costs.

Fourth, risk management and problem warning. The team AI Assistant app analyzes project data, monitors key metrics, and performs risk assessments to identify potential problems and project bottlenecks. In this way, enterprises can resolve them early and reduce the risk of loss and delay, increasing the success rate of projects.

Technical information:

The hardware is composed of server and data storage device.

For Server, Azure is used to provide high-performance computing to handle large-scale data and complex algorithms.

For data storage device, MongoDB is used to store data resources such as project plan.

The software is composed of Tensorflow, Pytorch, Apache Spark, Python, Postman and Java.

For TensorFlow and Pytorch, they are used to build machine learning models and implement data analysis.

For Apache Spark, it is used to process the data of key indicators in project and helps to carry out risk assessment.

For Python, it is used to design algorithm to evaluate resource allocation and demand priority, and python Matplotlib package was used to generate diagram.

For Postman, it is used to apply all the required API to the application and carry out API debugging.

For Java, it is used to write the basic functions of the application, such as navigation bar and so on.

Speaking of how it works, step one, collect project data and then store data in MongoDB.

Step two, use Tensorflow or Pytorch to build AI models and carry out model training on Azure.

Step three, use Apache Spark to process the collected data and convey them to AI model for analysis.

Step four, the results are released including the specific project plan, the suggestions about resource allocation and risk assessment.

Audience/Users/Customers:

We list three kinds of audience here.

First, Project management:

The application helps the project leaders to translate the undetailed project outline into a detailed project plan and specific tasks. Besides, it helps project leaders to track progress and identify potential risks and adjust them on time.

Second, Cross-departmental team:

In cross-departmental projects, the application helps to make team progress more transparent, and promotes better collaboration between different teams.

Third, Student Group:

When it comes to group activities, the application can help students to divide activities according to skills and interests. Besides, it can track team members' progress and provides reminders to ensure that tasks are completed on time.

Impact of the Innovation:

Workplace

Reduce the workload of team members and optimize the working environment of the team.

Save project cost and improve team development efficiency.

investment opportunity

Team AI assistant app has a wide audience, is suitable for all kinds of team development, meet the needs of all kinds of teams, and itself can attract a lot of investment.

In the face of changes in business needs, team AI assistant app can provide higher quality products and services, thus attracting more investment opportunities.

social impact

To help enterprises develop better and improve the social economy.

By helping companies expand faster, it indirectly provides more job opportunities for people.

Promote the progress of science and technology.

Future Application or Advancement of the Innovation:

Add voice recognition and dialogue functions, so that the AI assistant app of the team can better become a member of the project, and promote the development of the project while communicating with project members more smoothly.

The introduction of more advanced natural language processing technology to improve the ai assistant's sentiment analysis and semantic understanding, so that it can better understand the needs and intentions of the project to provide more precise recommendations.

Support app cross-platform and cross-device use, team AI assistant app can run on different operating systems and devices, and can synchronize work information in real time, and work together in multiple devices.

Closing Summary:

First, the team AI assistant app helps improve the development efficiency of the project and provides better product quality, thus attracting more investment opportunities. Second, the team AI assistant app helps save project costs and make more reasonable use of project resources. Third, the team AI assistant app can help enterprises or government projects develop better and promote social and economic improvement. It is hoped that the emergence of team AI assistant app will make project collaboration easier and bring better project results.

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