

College Club Industry Android App

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Abstract: The revolution of industry 4.0 becomes a new challenge to prepare the students to have high computing technology ability. This demand changes the conventional learning method using more manual tools into the one using digital-based computing ware. Interactive multimedia is a type of media operated using hand-held and mobile computing ware, android-based smartphone. Interactive multimedia can display information in text formats. Information can be presented real time anytime and anywhere in real environment setting. Interactive multimedia potentially makes the learning process running effectively. In addition, interactive multimedia potentially.

INTRODUCTION

Industrial Revolution 4.0 affects Indonesian people very considerably. Industrial Revolution gives the people who want to go forward and to develop a big opportunity due to the opened access to information and the emergence of various job opportunities, work shop, courses and never existing before. On the other hand, industrial revolution 4.0 becomes a threat to community with slow adaptability. Many jobs have begun to be replaced with robot and machine. Such condition is called disruptive era characterized with many uncertainties due to the effect of rapid technology change [1]. The first industrial revolution started with the invention of steam engine in 18th century. Historically, this revolution was noted successfully improving economy dramatically, in which Gross Domestic Product of states in the world increased six folds two centuries following the Industrial Revolution.

LITERATURE SURVEY

Industry 4.0 as a concept was introduced in the 1990s as the internet and telecommunications transformed the way we connected and exchanged information.

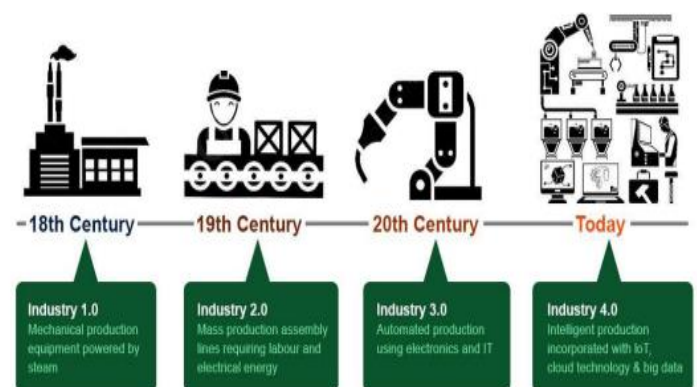
Industry 4.0 related technology uses CPS to Industry 4.0 related technology uses CPS to share, analyze, and guide intelligent actions for different processes involved in manufacturing. Having all the different machines on a factory floor connected and sending real-time data to the cloud creates the concept of a Smart Factory. These smart machines monitor, detect and predict faults, suggesting preventive measures and remedial action before downtime occurs.

CPS also allows manufacturing processes to be completely virtually visualized, monitored, and managed from remote locations. Industry 4.0 puts machines, people, processes, and infrastructure into a single, connected manufacturing process, which provides businesses with full disclosure over the entire workings of their manufacturing and production. Using this information makes overall management highly efficient

improves students' learning motivation and outcome and practices high-order thinking skills such as analytical, critical, and creative thinking skills. The use of interactive multimedia in the learning needs the synergy of technology were availability, students' preparedness, teachers' preparedness, and school regulation, and stakeholders. The methods employed in this research were observation on learning activity and literature study referring to various relevant sources. Thus, android-based interactive multimedia is one of solutions to improve the quality of learning and to prepare the students for dealing with the competition in industrial revolution era 4.0.

EXISTING SYSTEM

Industry 3.0 was centralized around the advances in the electronics industry in the last few decades of the 20th century. The invention of technologies including transistors and integrated circuits revolutionized manufacturing, as they automated machines on the factory floor that resulted in reduced effort, increased speed, greater accuracy, and freed up the human workforce for more advanced tasks. The integration of electronic devices and machine automation created a requirement of software systems, fueling the software development market. The software systems paved the way for management processes such as enterprise resource planning, inventory management, shipping logistics, product flow scheduling, and tracking throughout the factory. As expected, the automation of machines and introduction of advanced software systems has evolved over the years as advancements are made in the electronics and IT industries. This is driven by the pressure to reduce costs and speed up production and has led to many companies moving their manufacturing to low-cost countries. This dispersion led to the formation of the concept of Supply Chain Management.



PROPOSED METHODOLOGY IMPLEMENTATION

College Connect Students

- Student Sign up
- Sign In
- Profile
- Choice of connect

College Connect Faculty

- Sign up process
- Sign in
- Profile
- Choice of the Connect with Industry
- List of the Industry

College Connect student

- Student
- Faculty

College Connect with Industry 4.0

- Sign in
- Sign up
- Add Company Info
- Upload new technology
- Receive the Student result

FUTURE SCOPE

Global Competence: Preparing students for global competition will involve exposure to diverse cultures, international collaboration, and language learning. Global competence will be a core competency.

In future we will also Introduced the Artificial intelligence Provide More Courses and also provide Online platform to learn more About this technology .

CONCLUSION

The use of Android-Based Interactive Multimedia is very relevant to be applied to the learning process. Android-Based Interactive Multimedia can clarify the material learnt interactively including text, image, video and audio, either online or offline, thereby improving the students' learning interest, corresponding to the need of industrial era 4.0.

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