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Global IoT in Education Market Size study, by Offering (Hardware, Software, Service) by Application (Learning Management System, Classroom Management, Administration Management, Others) by End-User (K-12, Higher Education, Corporate) and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G5E3E6A5533CEN.html
Date: July 2024
Pages: 200
Price: US$ 4,950.00 (Single User License)
ID: G5E3E6A5533CEN

Abstracts

Global IoT in Education Market is valued approximately USD 9.2 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 18.60% over the forecast period 2024-2032. The sector of education is seeing dramatic changes in the context of the Internet of Things (IoT). The use of digital solutions is not only making education more widely available but also improving the effectiveness and efficiency of conventional educational systems. Students in various age groups use smartphones and tablets in digital classrooms. The IoT and the growth of mobile technology have made it possible for educational institutions to monitor important resources, increase information access in the classroom, and improve campus safety. Instead of using traditional lesson plans, teachers and professors can design intelligent ones with the help of technology. Moreover, IoT enables the collection and analysis of student data, allowing for personalized learning experiences tailored to individual needs and learning styles. Trends such as immediate feedback through connected devices helps students understand their progress and areas needing improvement, enhancing the learning process. Thus, these trends further drive demand for the Global IoT in Education Market.

The widespread availability of high-speed internet and advancements in wireless technology, particularly 5G, significantly drive the demand for Global IoT in Education Market. High-speed internet ensures that the vast amounts of data generated by IoT

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devices can be transmitted quickly and efficiently, facilitating real-time communication and feedback essential for interactive and personalized learning experiences. With 5G technology, the connectivity becomes even more robust, offering lower latency and higher bandwidth. This allows for seamless integration of IoT devices such as smartboards, interactive displays, and wearable health monitors, enhancing both the teaching and learning environments. These advancements also support remote and blended learning models, enabling students and educators to interact and access resources from anywhere, thus overcoming geographical barriers. Consequently, the enhanced connectivity provided by high-speed internet and 5G is a critical enabler for the proliferation and effectiveness of IoT solutions in educational settings. However, implementing IoT technologies requires significant upfront investment in hardware, software, & network infrastructure and privacy and security concerns stifle market growth during the forecast period 2024-2032.

The key regions considered for the global IoT in Education market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the dominated regional market in terms of revenue. The North American IoT in education market is poised for continued growth driven by the increasing demand for personalized and adaptive learning, combined with the focus on improving safety and efficiency in educational institutions, drives the adoption of IoT technologies. As the education sector continues to evolve, the integration of IoT will play a crucial role in shaping the future of learning, providing innovative solutions that enhance both teaching and student engagement. The market in Asia Pacific is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:
Microsoft Corporation
Google LLC
Rapidsoft Technologies Pvt. Ltd.
Intel Corporation
Oracle Corporation
Amazon Web Services, Inc.
SAP SE
Huawei Technologies Co. Ltd.
Cisco Systems Inc.
IBM Corporation

The detailed segments and sub-segment of the market are explained below:

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By Offering
Hardware
Software
Service

By Application
Learning Management System
Classroom Management
Administration Management
Others

By End-User
K-12
Higher Education
Corporate

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia

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South Africa
RoMEA

Years considered for the study are as follows:
Historical year – 2022
Base year – 2023
Forecast period – 2024 to 2032

Key Takeaways:
Market Estimates & Forecast for 10 years from 2022 to 2032.
Annualized revenues and regional level analysis for each market segment.
Detailed analysis of geographical landscape with Country level analysis of major regions.
Competitive landscape with information on major players in the market.
Analysis of key business strategies and recommendations on future market approach.
Analysis of competitive structure of the market.
Demand side and supply side analysis of the market

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