

Global Educational Robotics Market by Component, Product, Vertical and Region 2014-2025: Segment Analysis, Trend Forecast and Business Strategy

<https://marketpublishers.com/r/G53984B493BEN.html>

Date: February 2018

Pages: 140

Price: US\$ 2,703.00 (Single User License)

ID: G53984B493BEN

Abstracts

GMD predicts the global aggregated revenue of education robotics will reach \$25.54 billion during 2018-2025, driven by a growing adoption of smart education tools and robots in various school levels across the globe.

Highlighted with 51 tables and 61 figures, this 140-page report “Global Educational Robotics Market by Component, Product, Vertical and Region 2014-2025: Segment Analysis, Trend Forecast and Business Strategy” is based on a comprehensive research of worldwide education robot market by analyzing the entire global market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report provides historical market data for 2014-2016, revenue estimates for 2017, and forecasts from 2018 till 2025.

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view. The balanced (most likely) projection is used to quantify global educational robotics market in every aspect of the classification from perspectives of component, product, application vertical and region.

Based on component, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

Hardware

Software

Services

Based on product type, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

Wheeled Robotics

Reconfigurable Robotics

Humanoid Robotics

On basis of application vertical, the global market is analyzed on the following segments with annual revenue in 2014-2025 provided for each segment.

K-12 Schools

Colleges and Institutes

Other Domains

Geographically, the following regions together with the listed national markets are fully

investigated:

APAC (Japan, China, Australia, India, South Korea and Rest of APAC)

Europe (Germany, France, UK, Italy, Russia, Rest of Europe)

North America (U.S. and Canada)

Latin America (Brazil, Mexico, Argentina, Rest of Latin America)

RoW (UAE, Saudi Arabia, Egypt)

For each of the aforementioned regions and countries, detailed analysis and data for annual revenue are available for 2014-2025. The breakdown of all regional markets by country and split of key national markets by product type and application vertical over the forecast years are also included.

The report also covers current competitive scenario and the predicted manufacture trend; and profiles global educational robot vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in global educational robotics market and industry are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

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About

According to the new market research report on the "Educational Robot Market by Component (Hardware and Software), Type (Humanoid and Non-Humanoid), Education Level (Elementary and High School Education, Higher Education, and Special Education), and Geography - Global Forecast to 2023", the educational robot market is valued at USD 778.6 Million in 2018 and is expected to reach USD 1,689.2 Million by 2023, at a CAGR of 16.8% between 2018 and 2023. The market is mainly driven by the factors such as the use of robots for educational purposes and technological advancements in the field of robotics.

The report profiles the most promising players in the market are

SoftBank (Japan)

ROBOTIS (South Korea)

PAL Robotics (Spain)

Hanson Robotics (Hong Kong)

QIHAN Technology Co. (China)

DST Robot Co. (South Korea)

Probotics America (US)

Wonder Workshop (US)

Aisoy Robotics (Spain)

BLUE FROG ROBOTICS (France)

Educational robot market for software to grow at a higher CAGR during the forecast period

The educational robot market for software is expected to grow at a higher CAGR during

the forecast period. As technological advancements will lead to growing complexity in terms of features such as inter device connectivity, AI, and autonomous operations, the value of the software part in the overall educational robot market will increase more than that of hardware. Also, the software will assist the complex functionalities to process efficiently and accurately.

Non-humanoid held a larger share of the educational robot market in 2017

The market for non-humanoid robots held a larger share of ~90.9% of the overall educational robot market in 2017. Although humanoid robots are the most suitable educational robots, cost is the major barrier restraining its growth in the market. The market for humanoids is expected to grow at a higher CAGR during the forecast period. The market for low-cost humanoids is likely to gain traction in the near future owing to the projected high growth of software. Humanoid robots have the ability to assist and even replace teachers in classrooms; hence, schools are looking forward to deploying humanoids in their classrooms to attract the attention of parents by modernizing the teaching pattern.

The educational robot for special education to grow at a faster rate during the forecast period

The market for educational robots used in special education is expected to grow at the highest CAGR during the forecast period. Though special educational robots are for children with autism and developmental issues, which makes educational robots occupy the lowest percent of market share, the growing demand for learning assistance robots across the world attributes to its high growth rate.

The Americas is the major consumer of educational robots

The Americas accounted for a major share of the overall educational robot market in 2017. The Americas is the early adopter of educational robots, which results in the maximum demand for robots from this region. The educational robot market players in APAC are the key inventors, as well as adopters of the technology; hence, the region accounted for the second-largest market share in 2017.

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