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Educational Robots Market Size, Share & Trends Analysis Report By Product Type (Non-Humanoid, Humanoid), By Application (Primary, Higher), By Region (APAC, Europe, North America), And Segment Forecasts, 2021 - 2028

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Abstracts

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Educational Robots Market Growth & Trends

The global educational robots market size is anticipated to reach USD 3.27 billion by 2028, according to a new report by Grand View Research, Inc. The market is expected to grow at a CAGR of 19.8% from 2021 to 2028. An educational robot can be defined as a learning companion that uses real-life educational models to aid students of different ages in obtaining new skills by making learning a fun process. Educational robots offer information in the fields of Science, Technology, Engineering, Art, and Mathematics (STEAM), as well as linguistics, computer programming, geography, and history. To keep young students involved, delighted, and educated, these robots can perform a variety of duties, comprising advanced mechanics, voice control, and gestures.

The education sector has been significantly impacted by the COVID-19 pandemic. The several modifications brought into the educational system due to the pandemic allowed students to stay at home and continue their education. However, these deprived students of first-hand experience due to the lack of physical learning opportunities. The industry suffered significantly as universities, schools, and training centers were required to remain shut for a long time. The pandemic also impacted the supply chains of educational robot manufacturers leaving another negative impact on the industry.

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Nevertheless, the market is expected to benefit from the initiatives taken by several educational institutes to educate students and provide hands-on experience on robotics. Increased investments in robotics by several governments are also expected to drive the demand in the near future. For instance, in August 2019, the Indian government allocated USD 436.4 million to aid research in Artificial Intelligence (AI), Robotics, and Internet of Things (IoT), and other advanced technologies to create an AI ecosystem.

Educational Robots Market Report Highlights

The non-humanoid product type segment accounted for the largest revenue share in 2020 and is expected to retain its dominance over the forecast period

The growth of this segment can be attributed to the increasing acceptance of humanoid robots by students owing to their human-like presence that resembles real-life teachers

The higher education application segment accounted for the largest revenue share in 2020. However, the primary education segment is likely to register the fastest CAGR from 2021 to 2028

The fast growth of this segment can be attributed to the increasing adoption of robots by educational institutions to encourage STEAM education among kids, especially those below 10 years of age

North America captured the highest market share in 2020 and is expected to hold its position over the forecast period

This can be attributed to the existence of a large number of market players and heavy investments made by the respective governments in R&D related to robotics in the region

Asia Pacific is estimated to be the fastest-growing regional market from 2021 to 2028 due to the increasing investments by the government as well as Non-Governmental Organizations (NGOs) to support and bring advanced education across the region

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