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SITUATION OF STEM TEACHING AND LEARNING IN HIGH SCHOOL IN VIETNAM

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Unlike other developed countries in the world such as the US, Germany, Japan,... STEM education introduced to Vietnam is not derived from scientific and educational research or from macro policy on human resources but from robotics competitions for students from primary to high school levels implemented by technology companies in Vietnam together with foreign organizations. For example, the Robotics make X 2019 competition of STEAM Vietnam Hi-Tech Robot Joint Stock Company or some robocon competitions of companies such as Lego and some robocon competitions of other companies in the country. Since then, STEM education has started to spread in many different forms, many different ways of implementation, many different support organizations. Currently, high schools are also starting to introduce STEM into teaching, especially natural sciences such as Physics, Chemistry, Biology. However, the application is still spontaneous, sporadic in some schools, there is no synchronization due to the level of teachers, organizational funding, ...

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