Reproducible evaluation on our sequential states for social improvement

R&D Project Title : **Personalized learning supported by brain features**

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Summary :

The market size of the education industry in Japan is over 2.7 trillion yen, and numerous educational support methods have been shown to facilitate active learning. However, it has been reported that academic performance differences were more likely to occur in active learning than in regular learning. Moreover, the students' willingness to learn and the lifelong learning rate in Japan is still low.

In this study, we estimate the personalities of diverse humans during learning based on the brain features, behavioral indicators, emotional evaluation based on the construction of a new sensing system, and psychophysiological markers. Our goal is to facilitate people's well-being by providing individualized educational support methods that promote brain and behavioral change which leads sense of accomplishment. An individualized achievement support system using this method could be disseminated to all areas of intervention and education, including school education, child welfare facilities, educational business sites, and medical sites.

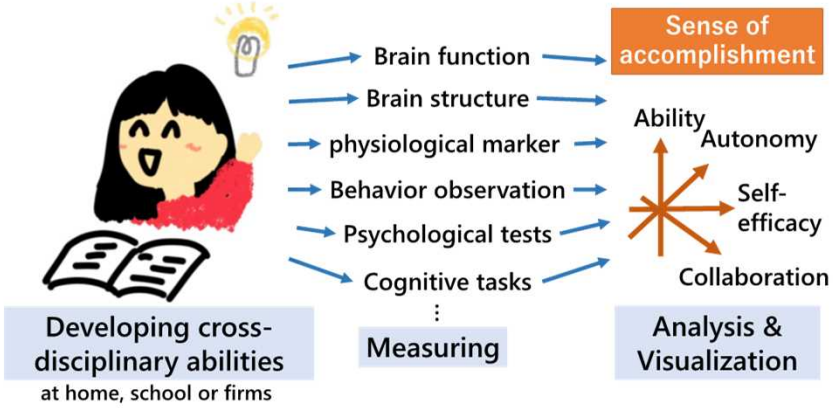

Fig: Measurement and Visualization of sense of accomplishment