Improving intellectual capability to enhance "a Socially Active Life" for overcoming the reducing labor force

Supporting Multigenerational Co-creation and Social Activities by Enhancing Learning Analytics Platforms

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Summary :

This project aims to realize novel learning-support systems for adults with varied experiences and knowledge, thereby facilitating recurrent education. Such systems can play critical roles in addressing the societal challenges in the age of declining population and super-aging societies by increasing the mobility of human resources and expanding the working population.

Our research team including computer scientists, experts of educational technologies, brain scientists, and cognitive scientists enhance and integrate so-called *learning analytics*, an approach to realizing effective learning support by analyzing and using large-scale learning-relevant data, so as to develop models and computational systems for the support of diverse learners in different context. As we go steps forward enabling effective acquisition of informal as well as formal knowledge, this project can pave the way for the learning-support infrastructure of the future, which maximizes the potential of people at all ages to work and create together effectively.

ICT Support work, Desk work, Telework, Crowdsourcing

Caregiving, Parenting

Tourist & history guide, Service work (in Japanese, English, etc.)

Farm work, Carpentry, Gardening, Managing vacant houses

Expansion of services targeting various occupations and skills

Acquiring informal knowledge easily

Acquiring new skills easily

Adaptive learning-support systems

e-Learning Platform

Classroom lectures

Peer learning

Learning through practice

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