

# Realization of wellbeing by feedback based on psychological states evaluated by objective methods

**R&D Project Title** An Education and Learning Support System That Can Predict and Improve Individual's Learning Effects

**Project Leader :** Toshihiko Yamasaki

Professor, Department of Information and Communication Engineering,  
Graduate School of Information Science and Technology, The University of Tokyo

**R&D Team :** Chiba University, Nagaoka University of Technology, and Kyushu University



## Aim of the project :

We will develop a new teaching/learning infrastructure that can estimate the learner's psychological state, predict the future effects, and enhance the learning efficiency.

## Summary :

For realizing a future society in which each individual can acquire the abilities they desire and those required by society, we will develop technologies to

- (1) obtain multiple biometric data in real time
  - (2) estimate psychological state from biometric data
  - (3) predict learning effects based on psychological states
  - (3) predict the learning effect based on the psychological state
  - (4) provide feedback to enhance the learning effect.
- by using general-purpose cameras such as smartphones and machine learning.

