



## Research purpose

Designing and Developing Sophisticated Educational Systems is one of areas covered by Educational Technology which is research category to reveal methodology for using computer technology in real education Including both school education and life-long education. Especially, e-Learning has been recently getting popular for our life. However, we have not reached the answer what kind of educational system can really satisfy us. Our laboratory has been seeking the answer by trying to design and develop various kind of educational systems for real education and learning. We also thinking of new style of educational systems with various ICT to realize interesting education we have never seen.

## Recent research activity

### Educational System with Question Posing

In order to posing questions, we need a proper knowledge of the target domain. In addition, it is known that we can deepen the domain knowledge through question posing activity. We have developed an educational system called "S-Quiz" by focusing on such education effect of question posing. S-Quiz provides a collaborative learning environment wherein students can share posed question each other and use them for their learning.



### Mobile Educational System for safety driving of bicycle

Kagawa Prefecture has a bad aspect that the incidence of traffic accident with bicycle is very high. We have developed a mobile educational system called "Pocket Police" which monitors bicycle driving behavior and improves the bad manners immediately. Pocket Police additionally gives a post learning environment wherein students can reflect their bad manners at home.



### Educational System for Computer Programming with step by step exercise environment

We can upgrade computer programming skills by making computer games. We have developed a such programming learning system called "PLASE." Multiple steps of game programming are integrated as one package of exercises on PLASE. After using PLASE, students can get both a computer game and programing skills.

