Experimental Use of WebClass

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FIG Working Week 2016

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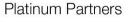
Recovery

from disaster















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Recovery

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Content

- Background
- What is the WebClass?
- How I used it as the first step
- Why is e-learning important in future?
- Next step













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Recovery

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Background

- A invitation mail to WG2.2 from the Chair
- How can I contribute for innovative learning?
- FIG publication 46 by Commission 2 "Enhancing Surveying Education through e-Learning"
- E-learning helps me save time
- E-learning tool "WebClass" has already been existing in the Education Affair Management System of Saitama University.











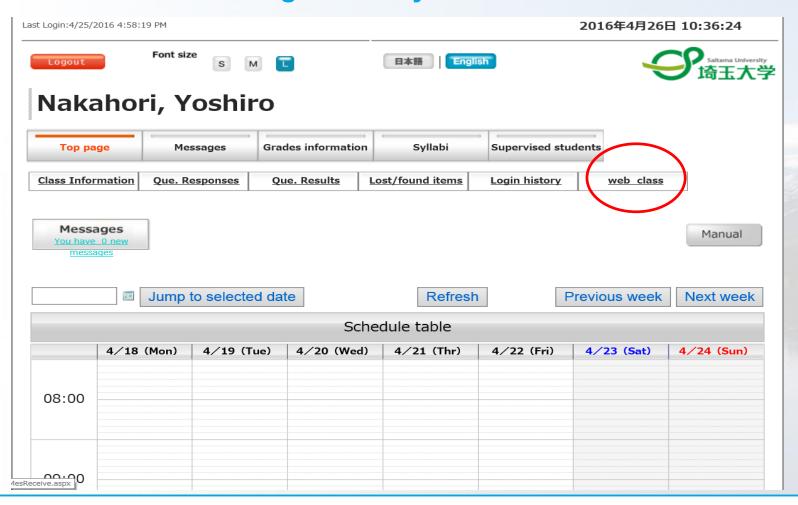


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Recovery

Education Affair Management System

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Diamond Partner

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What is WebClass?

- Commercial e-learning system created for Japanese universities by DATA PACIFIC (JAPAN) LTD
- User: 93 universities (as of Aug. 2015) including Saitama University
- Class support system
- Learning Management System as stated in the FIG Publication 46 p15-16.
- Accessible with PC, smart phones and tablets











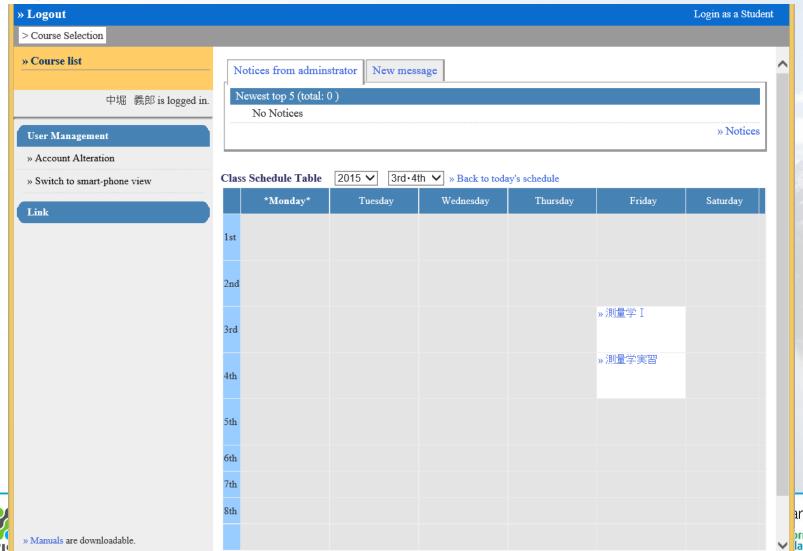


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Recovery

Top page of WebClass

from disaster







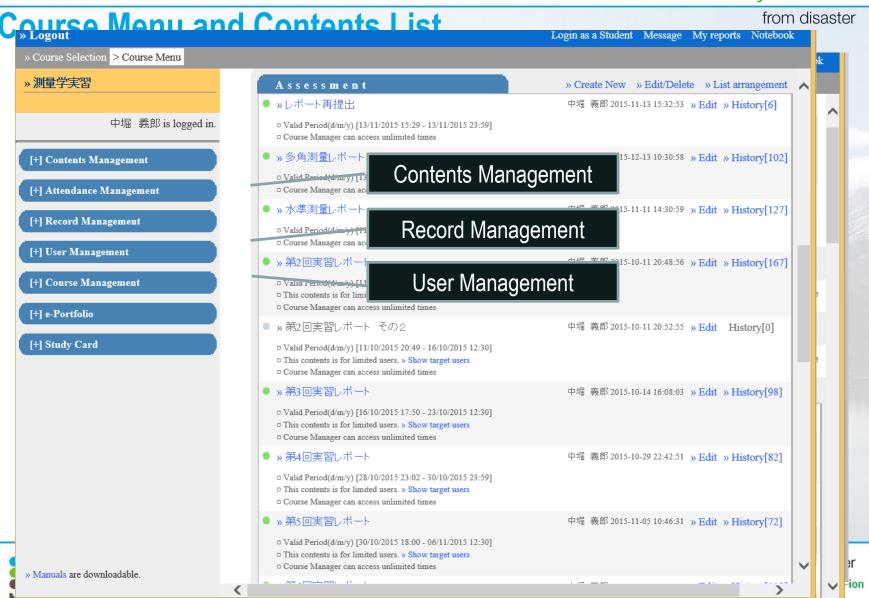
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Recovery



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Content Management System (1)

- Create textbook(teacher)
 - ✓ Prepare and upload textbooks anytime and anywhere
 - ✓ Saving time because of no printing handout
 - ✓ Hard work to prepare textbooks
- Access to textbooks anytime and anywhere (student)
 - ✓ Study before and after sessions
 - ✓ Convenient to refer to textbooks and sample survey notes during surveying practice outside
 - ✓ Not losing textbooks like printed materials
 - ✓ No need to carry a heavy textbooks











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Content Management System (2)

- Create Assessment (teacher)
 - ✓ questions are alternative type and answers are automatically evaluated
 - ✓ Hard work to prepare questions
- Tackle questions (student)
 - ✓ Check the result of grading immediately
 - ✓ Review textbooks for self-teaching











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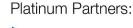
from disaster

Record Management System

- Checking the detailed scores, question by question, student by student, is easy
- Submit reports (student)
 - Submit reports anywhere and anytime
- Download and evaluate reports (teacher)
 - No need to carry heavy paper home
 - Read reports make comments and grade at my convenience even on my commute using a smart phone
 - Work load significantly reduced











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User Management System

- Manage record of learning
 - Check use time of content (access log)
 - Check progress summary
 - Check score summary
- More functions would be tried in future
 - ◆For example
 - Group setting → Collaborative learning











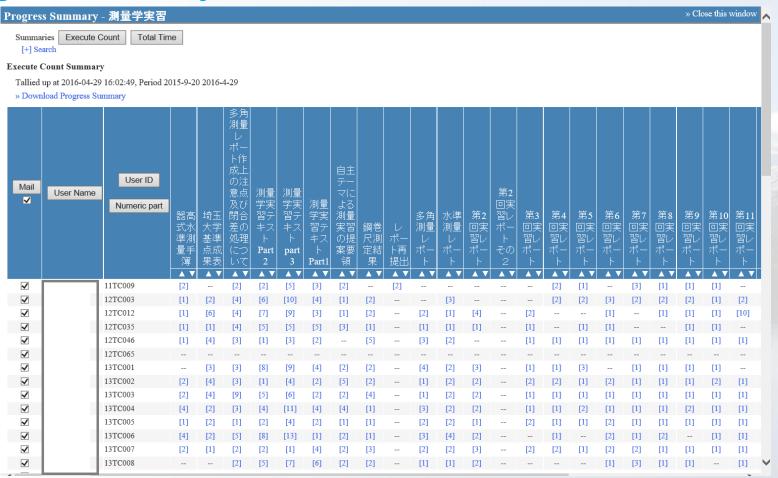


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Progress Summary







Platinum Partners:







Diamond Partner

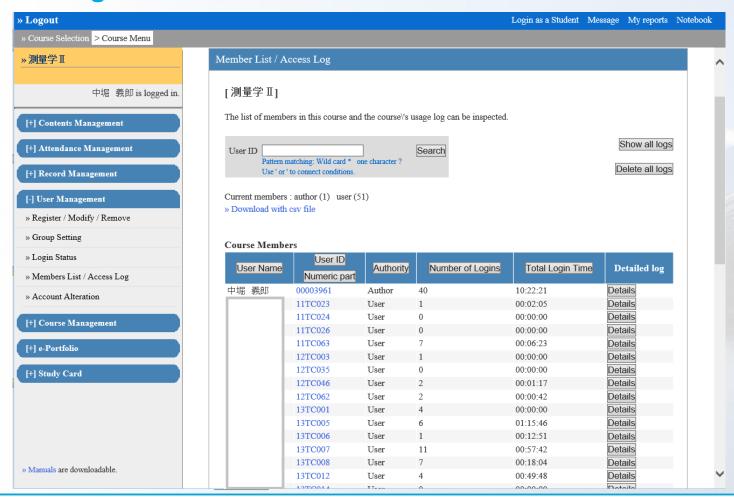


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Access Log

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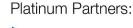
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E-learning and problems on ensuring surveyors

- Report on ensuring surveyors of tomorrow by the Task Force of the Geo-Spatial Information Authority of Japan (GSI) released in Dec. 2015
 - Problems on surveying education are
 - shortage of teachers in universities who have enough knowledge and experience in surveying
 - Decrease in lesson hours of surveying
- E-learning will be useful because one teacher can manage education for more students











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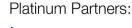
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Conclusion

- Some functions of WebClass were experimentally used for the first step and found very useful not only for students but also teachers.
- Next step may be to
 - prepare more teaching materials
 - try more functions of WebClass
- E-learning will be recognized useful for learning surveying in Japan.













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Thank you for your attension











