



1996-2021



BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



SEAMEO Regional Training Center

Sponsor(s)



Digital Universities for Vietnam: Government Strategy, Institutional Autonomy, and Departmental Implementation

Ray Webster and John Andre



1996-2021



BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



SEAMEO Regional Training Center

Sponsor(s)



CAPILANO
UNIVERSITY

Topics

- Digital Universities: Reality vs Hype
- Changing Student Behavior
- Combining Learning Analytics & Learning Science
- Usage of LMS at Universities
- Change management, avoiding failures
- Conclusions



1996-2021



BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



SEAMEO Regional Training Center

Sponsor(s)



Digital Universities: Reality vs Hype

- EdTech Sales: You can be a digital university
 - Just buy our products
- Reality: You need three key components
 - Learning Management System
 - Learning Analytics
 - Learning Science.





BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



Sponsor(s)



Changing Student Behavior

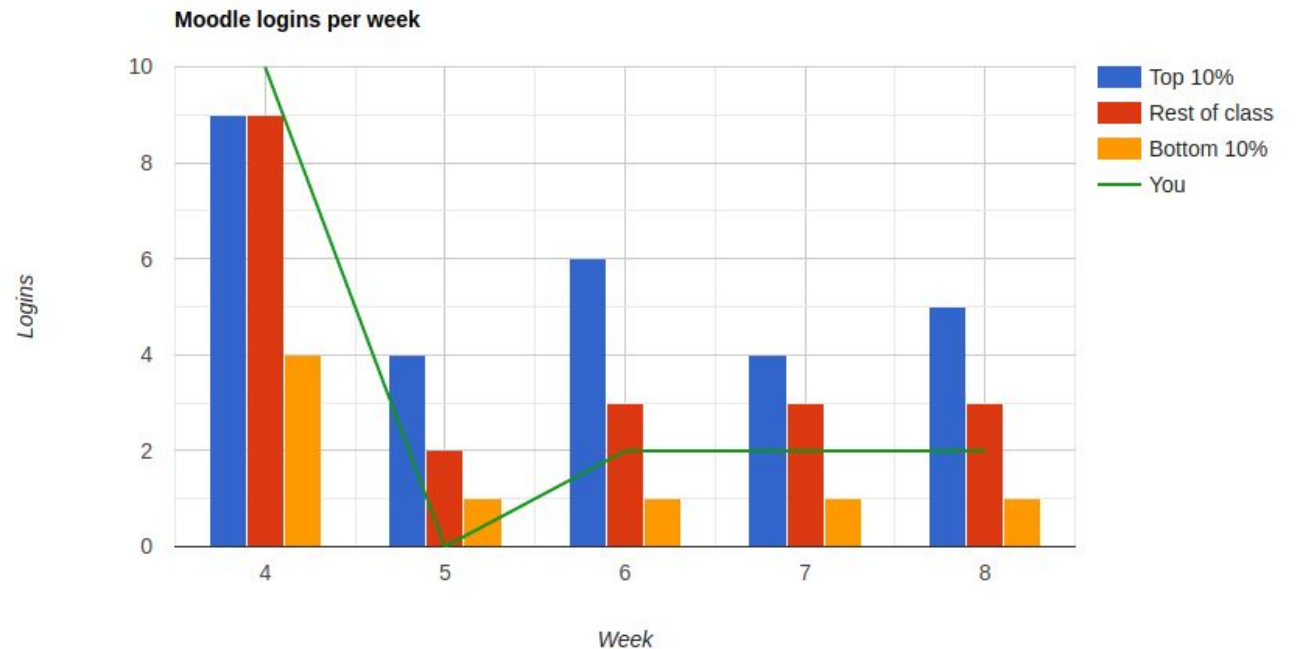
- Learning Analytics
- Social Modeling
 - Social cognitive theory
- Weekly nudges.

Note: When it says "Top 10%" it means those students who have the best grades. "Bottom 10%" is those

You logged into Moodle 2 times this past week. [\[how to improve\]](#)

- Top 10% average: 5 times
- Bottom 10% average: 1 times
- Rest of class average: 3 times

[Show / hide chart](#)





BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



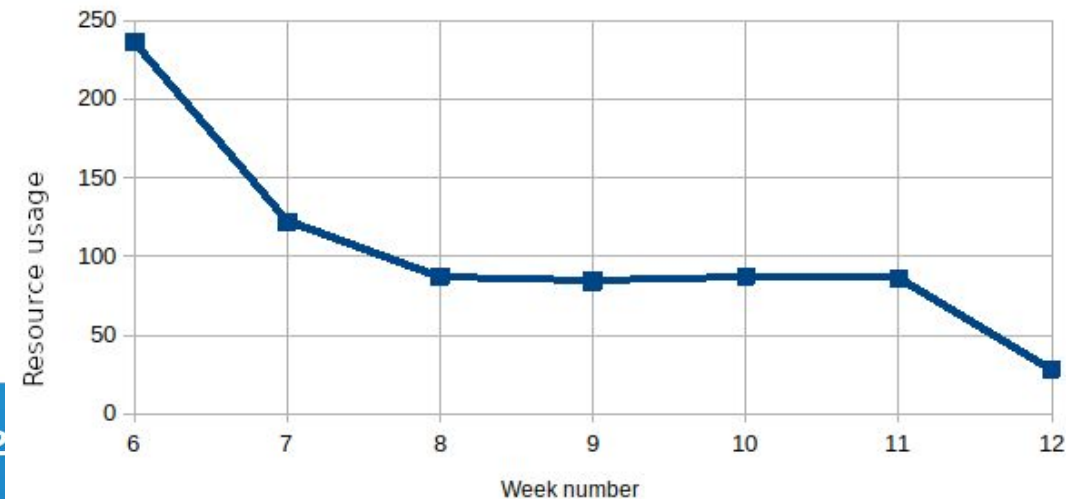
SEAMEO Regional Training Center

Sponsor(s)



Benefits of Learning Analytics

- Students: Changing behavior
 - Because they understand “good learning” behavior
- Teacher: Changing behavior
 - Because they know students’ situation.





BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



SEAMEO Regional Training Center

Sponsor(s)



Learning Science

- ASSIST: Strategic, Deep, Surface learning behavior
 - Entwistle (2018)
- Metacognition, self-awareness
- Improving learner agency.

| Scale scores | Student Ratings | | |
|-----------------|--------------------|-------------------|----------------------|
| | Knowledge acquired | Academic progress | Interest & enjoyment |
| Approach | | | |
| Strategic (S) | .29 | .33 | .28 |
| Deep (D) | .38 | .29 | .39 |
| Surface (A) | -.33 | -.39 | -.37 |



BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION

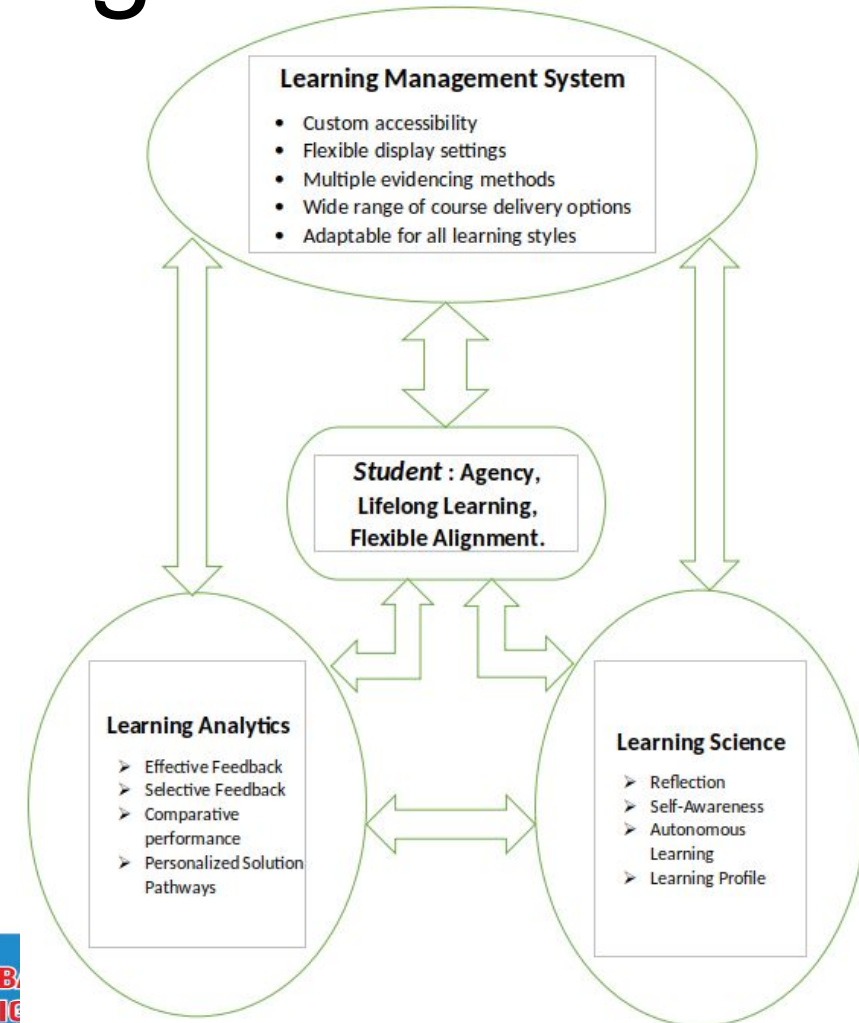


Sponsor(s)



Learning Analytics & Learning Science

- We can change student behavior
- But all behavior not on LMS
 - But some is
- Combine LMS & LA & LS
- Now you are a Digital University
- And everything you need is free.



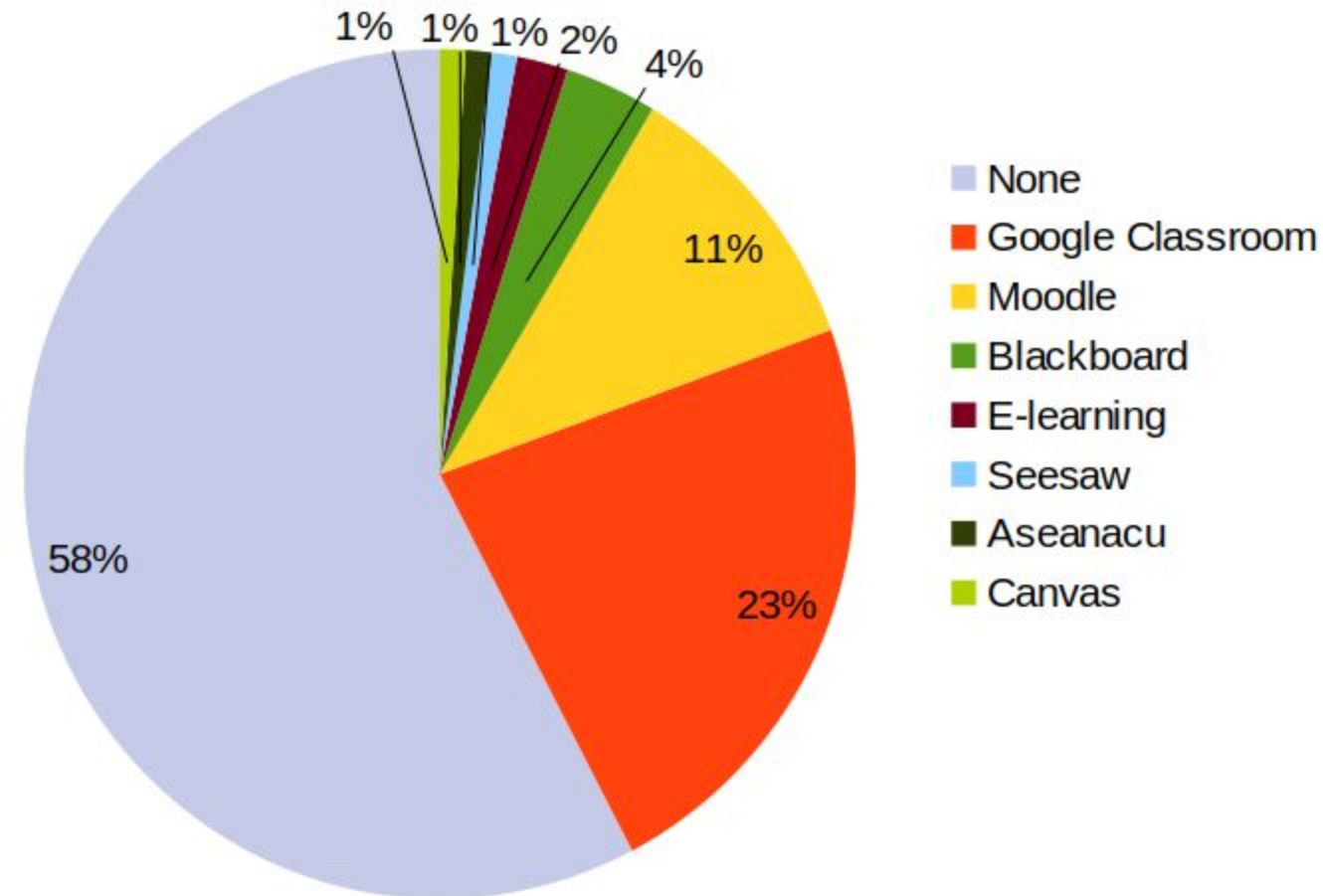
Usage of LMS at universities

- Sample: 144 faculties
- 17 public universities
 - In Hanoi

Universities with No LMS

| | |
|-----------------------|-----|
| No plan to implement | 47% |
| Yes plan to implement | 53% |

Which LMS Do You Use?





1996-2021



BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



SEAMEO Regional Training Center

Sponsor(s)



CAPILANO
UNIVERSITY

Change management, avoiding failures

- Easy to believe in “magic” technology
- You pay and it solves all your problems
- Managing change requires leadership
- Human resources are key factor for digital transformation
 - Dr. Tran Thi My Dieu (Van Lang University).



1996-2021



BCCIE
BC COUNCIL FOR INTERNATIONAL EDUCATION



SEAMEO Regional Training Center

Sponsor(s)



Conclusions

- We can all become Digital Universities
- Does not require lots of money
- Does require leadership
- Many benefits from combining LMS & LA & LS.