



The development and evaluation of mobile language learning application for listening comprehension in English

: Towards a successful design of mobile language learning application

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Research Background1 ~ Mobile use in Japan

Mobile Penetration Rate:85.3%

(White Paper Information and Communication in Japan, 2006)

- · "Learning Whenever and Wherever"
 - In Particular, for working people (Economic Planning Agency, 2000)
- Wide range use in Educational setting (Roschelle, 2003: Price et al, 2004)

Useful Learning Device for Busy Working People

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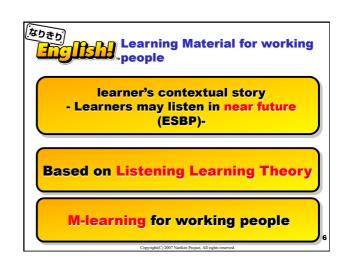


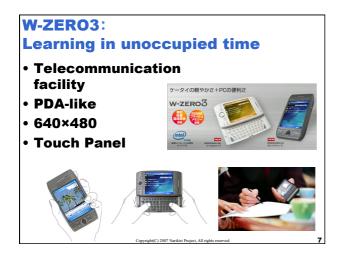
Research Background4 ~ Authenticity

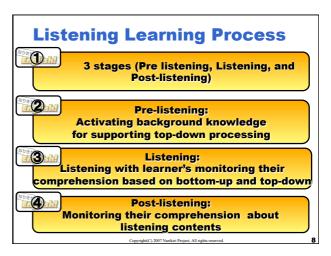
Fostering Practical English skills with Learners' Background Knowledge

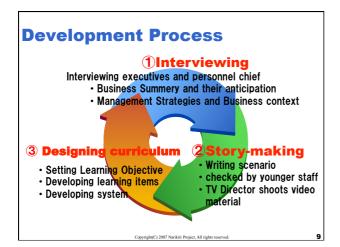
- Background knowledge = Facilitating comprehensive communication (Anderson et al, 1988)
- Effect of Authentic Materials following daily life (e.g., Sakuma, 1996; Porter et al, 1981; Muranoi, 2006)
- Authentic Material + Fostering Listening Strategies (Field, 1988; Thompson et al, 1996)

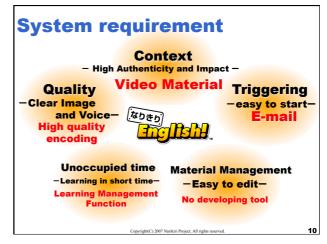
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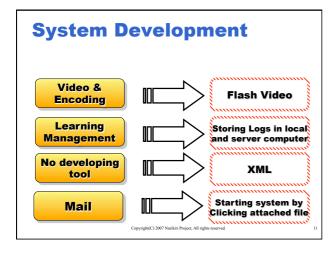


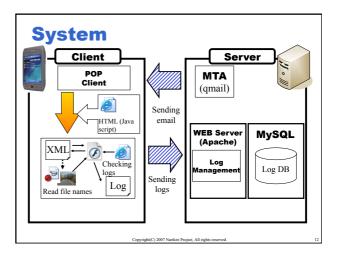


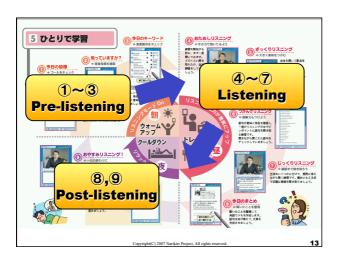


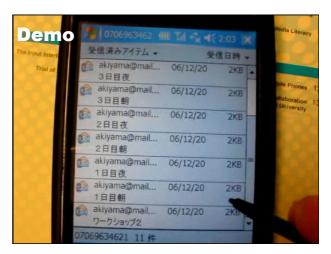










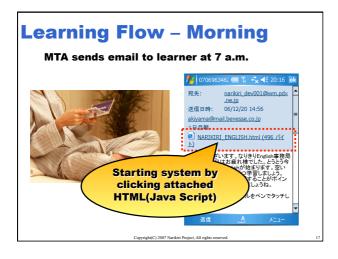


Others

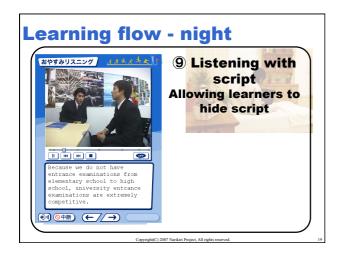
- Reviewing Mode(Compulsory)
 - System makes low-score learners review contents
 - They can go sorting questions step if they gain high score
- Review
 - After learning once, learners can review as they want

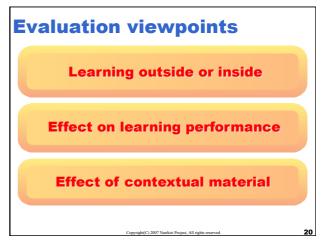
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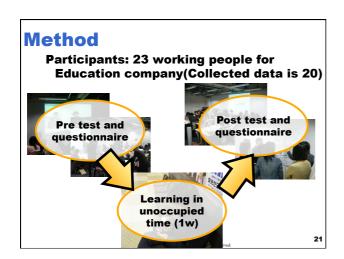
_6	earning Strate	gies	O:Sub	Strategy
	Material Structure	Top-down	Bottom-up	Monitoring
Pre	①Learning Objective	0		
	②Background Knowledge	0		
	3Keywords	0	0	
Listening	Trying to listening			0
	⑤Listening to Key points	0	(0)	0
	©Listening to Vocabularies		0	0
	①Listening to detail points	0	0	0
Post	®Sorting Questions			0
	9Listening with script			0



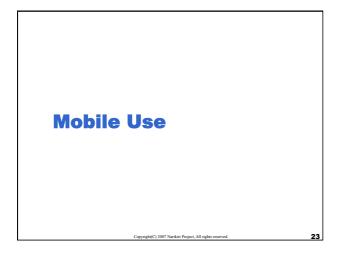


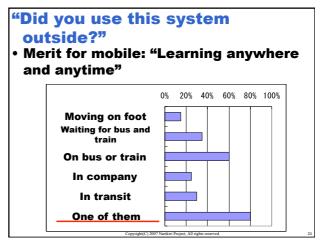




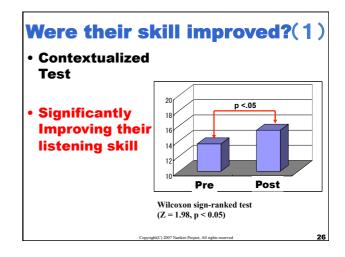


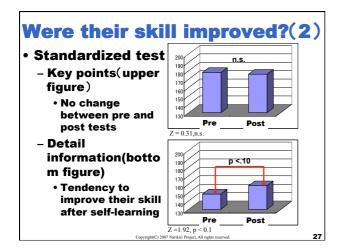


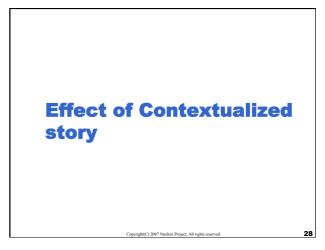


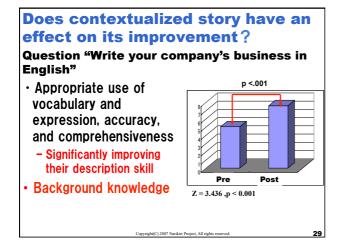


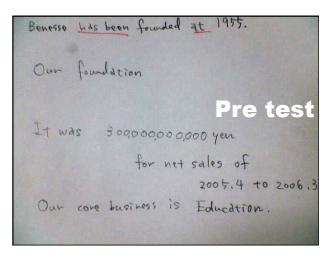
Learner's skill improvement Copyright(C) 2007 Narikin Project, All rights reserved. 25

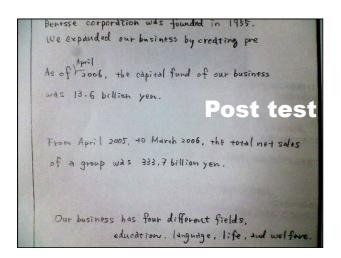












Conclusion

- Mobile use:
 - Learning outside
- Effect of this system on improvement:
 - A bit effective on listening skill improvement after only a week
- Effect of contextualized material:
 - Improvement of description skill
 - Knowledge and vocabularies about their business

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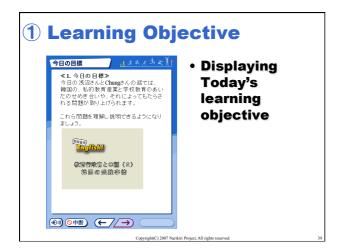




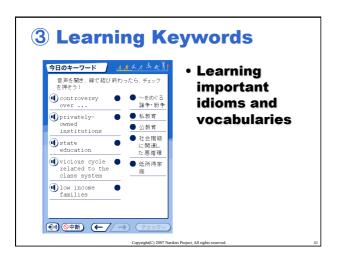


Q "Where did you learn? Library in company or lunch time Commuting time At home Q "How did you feel about the function which start this system by mail?" I felt that I have to complete this course I wanted to change the sending time as I wanted Usability Button's reaction time was slow. So, I tapped buttons many time. Sometimes, this system froze

- Small characters

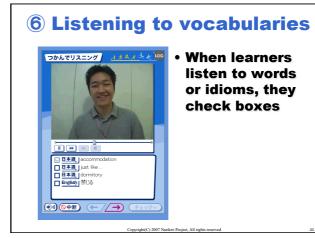




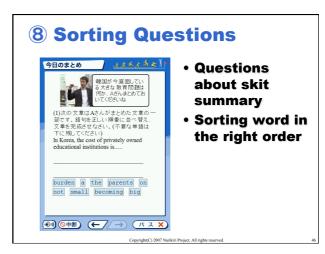
















Language Anxiety(Horwitz et al, 1988) - 18 items concerned with listening skill were selected - Analyzing the median of total score of each learner - Lessing language anxiety after 1 week significantly - Copyright(2) 2007 Narkin Project, All rights recerved. 49

