



TESOL

#ACTA2014 Meeting the Challenge
International TESOL Conference

vicTESOL



30 September - 3 October 2014
Melbourne Convention & Exhibition Centre
www.tesol.org.au/ACTA-Conference

USING **UTAUT** MODEL TO INVESTIGATE LANGUAGE
TEACHERS' USE OF **ICT FOR LESSON PREPARATION AND**
CLASSROOM TEACHING IN A VIETNAMESE UNIVERSITY

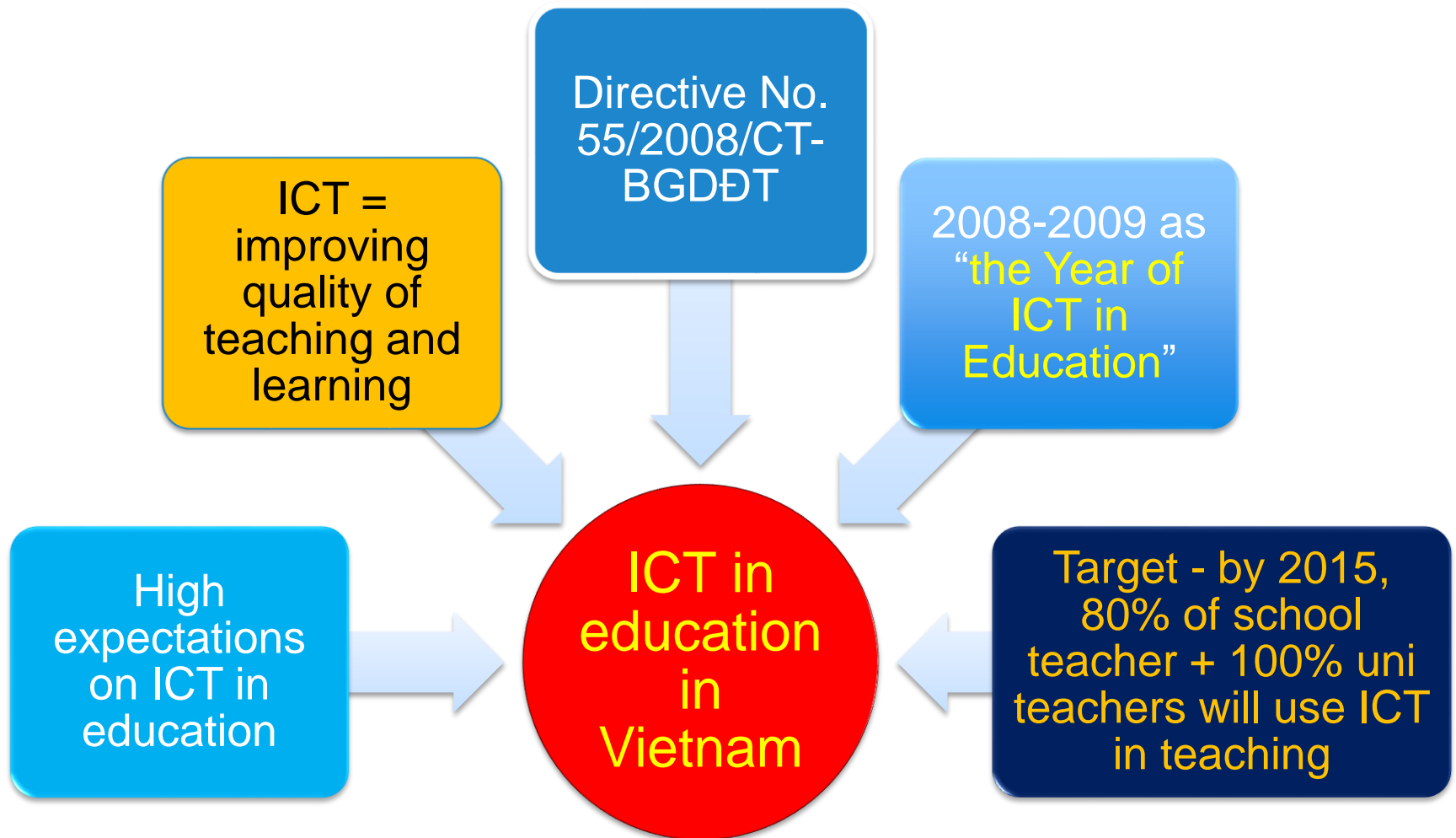
Xuan Thu Dang & **Phuong Dung Le**

OUTLINE

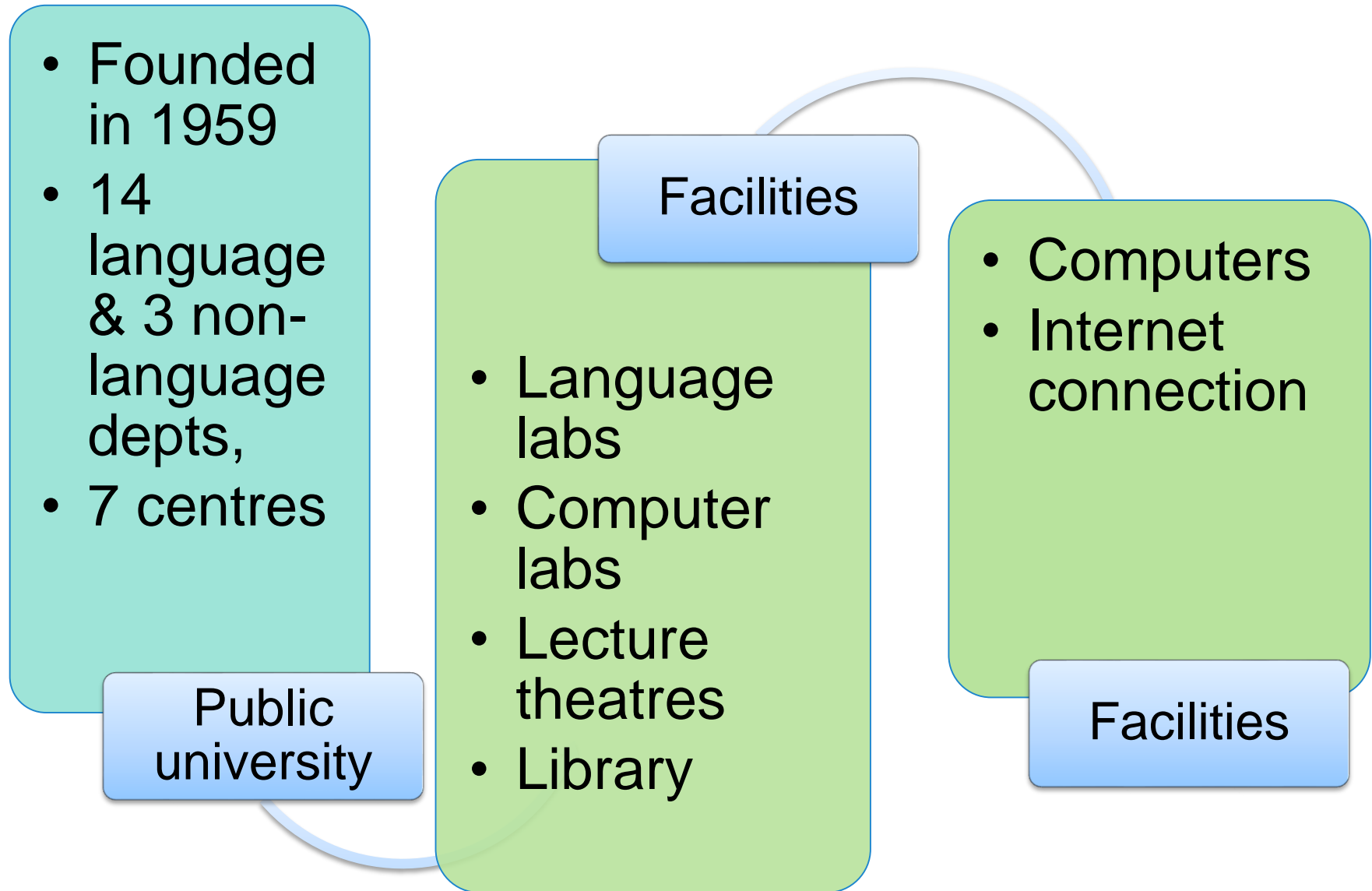
- Background
- The **UTAUT** model
- ICT for **lesson preparation**
- ICT for **classroom teaching**
- **Factors** affecting teachers' use of ICT
- **Conclusions** & recommendations
- **Q & A**

BACKGROUND

Importance of **ICT** in **Vietnam's** education



STUDY SITE: HANOI UNIVERSITY



Mixed-methods approach

Questionnaire (N = 222)			Semi-structured Interviews (N = 43)		
Female	Male	Missing info.	Language teachers	Senior leadership	ICT support staff
176 (~80%)	43 (~20%)	3	23 (~53%)	18 (~41%)	2 (~6%)



AGE GROUPS

Age group	Survey	Interviews
	(N) Valid Per cent	(N) Valid Per cent
23-25	(39) 20.7	0
26-30	(60) 32.0	(7)16.2
31-40	(59) 31.3	(20) 46.5
41-60	(30) 16.0	(16) 37.3
No response	(34) N/A	0
Total	(222) 100	(43) 100



ICT definition in this presentation

Computers

+

Internet

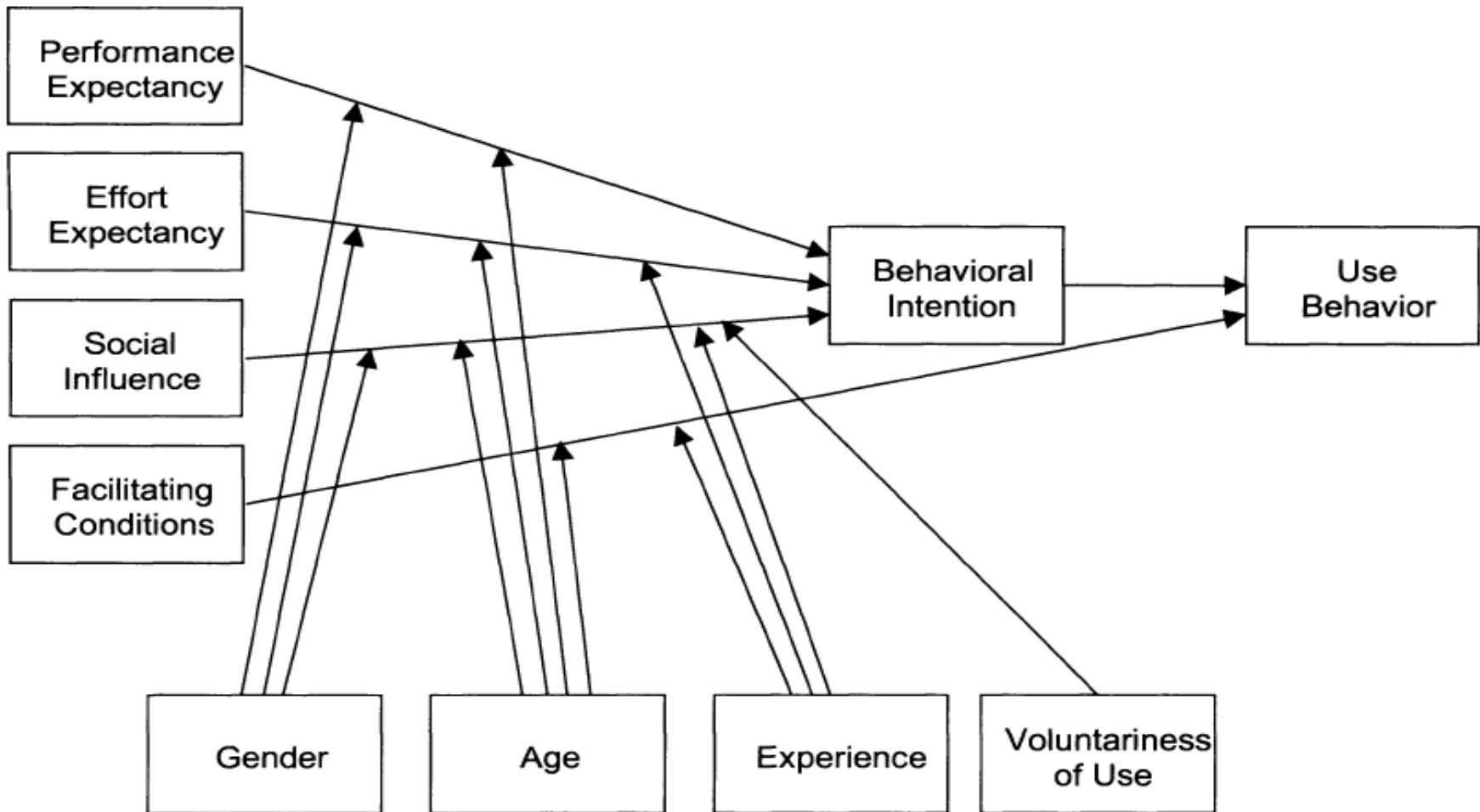
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Software



THE UTAUT MODEL

4 core constructs



The Unified Theory of Acceptance and Use of Technology (UTAUT)
([Venkatesh et al., 2003, p. 447](#))

11 FACTORS EXTRACTED FROM THE DATA

Performance Expectancy

- teacher perception of benefits
- perceived benefits for students

Effort Expectancy

- ease of use

Social Influence

- pressure from others (teachers + students)

Facilitating Conditions

- positive beliefs, attitudes and experience
- ICT training
- ICT guidelines
- leadership support

(or lack of facilitating conditions)

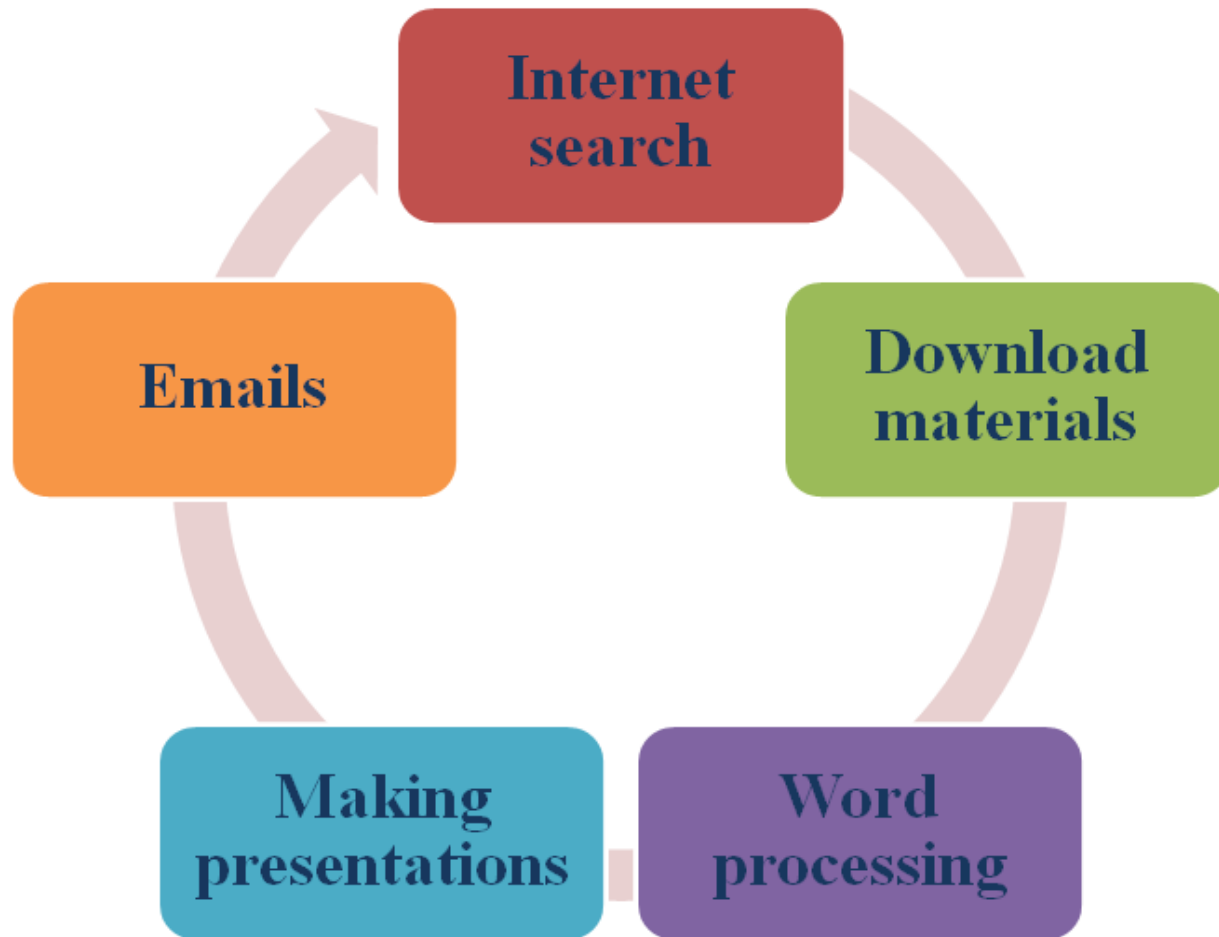
- limited access
- technical problems
- disadvantages for teachers

ICT FOR LESSON PREPARATION

ICT use for lesson preparation	N	Valid %
Word processing	197	89
Internet search	180	81
Internet download	162	73
PowerPoint	157	70
Email	145	65
Web browser	122	55
Voice recording	87	39
Audio editing	67	30
Spreadsheet	61	27
Education blogs	56	25
Mindmapping	41	18
Movie making	36	16
Video editing	22	10
E-lecture creation	22	10
Photo editing	20	9
Voice chat	18	8
Hot potatoes	17	7
Screencasting	14	6
Video conferencing	11	5
Podcast	8	3
VoiceThread	4	2

MOST USED

ICT for Lesson Preparation



ICT FOR LESSON PREPARATION

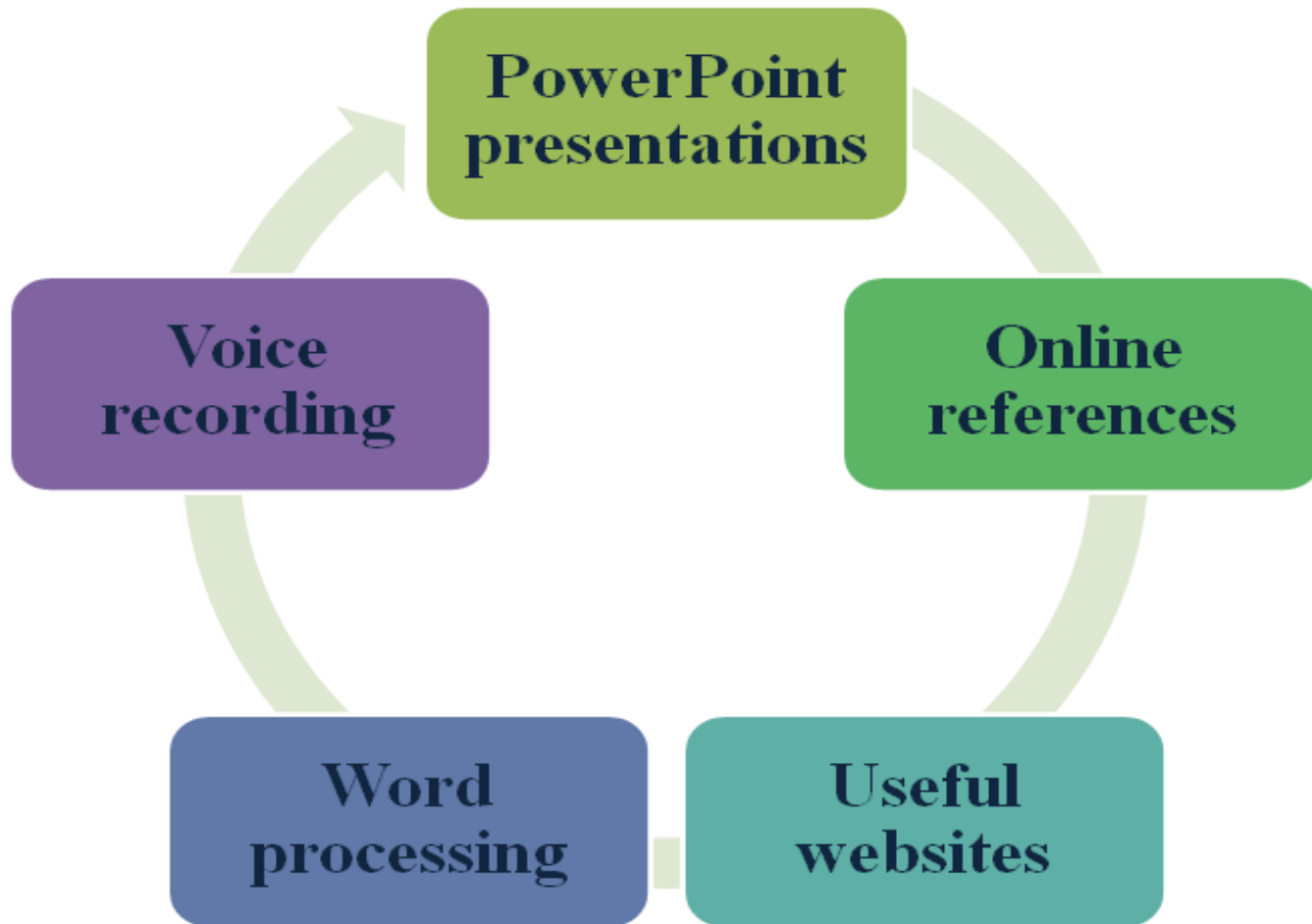
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ICT FOR CLASSROOM TEACHING

ICT use for classroom teaching	N	Valid %
PowerPoint	145	65
Internet search	90	40
Web browser	81	36
Word processing	75	33
Voice recording	69	31
Internet download	49	22
Audio editing	32	14
Email	29	13
Mindmapping	18	8
Video conferencing	14	6
E-lecture creation	11	5
Education blogs	11	5
Excel	8	3
Hot potatoes	8	3
Movie making	7	3
Video editing	7	3
Photo editing	7	3
Screencasting	7	3
Voice chat	5	2
Podcast	4	2
VoiceThread	2	1

MOST USED

ICT for Classroom Teaching



ICT FOR CLASSROOM TEACHING

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FACTORS AFFECTING ICT USAGE

Pearson correlation with ICT use for preparation	FACTOR	Pearson correlation with ICT use for teaching
.404**	Positive beliefs, attitudes and experience	.336**
.343**	Ease of use	.330**
.289**	Perceived benefits for students	.241**
.282**	Disadvantages for teachers	.212**
.283**	Teacher perception of benefits	.229**
.339**	Pressure from others	.200**
.089	Leadership support	.215**
.138	Guidelines	.170*
.226**	Limited access	.084
-.160*	ICT training	-.006

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

FOUR SIGNIFICANT PREDICTORS OF ICT USE FOR LESSON PREPARATION

- Positive beliefs, attitudes and experience ($\beta = .352, p < .001$)
- Pressure from others ($\beta = .216, p = .003$)
- Disadvantages for teachers ($\beta = .186, p = .010$)
- Age ($\beta = -.344, p = .021$)

FIVE SIGNIFICANT PREDICTORS OF ICT USE FOR CLASSROOM TEACHING

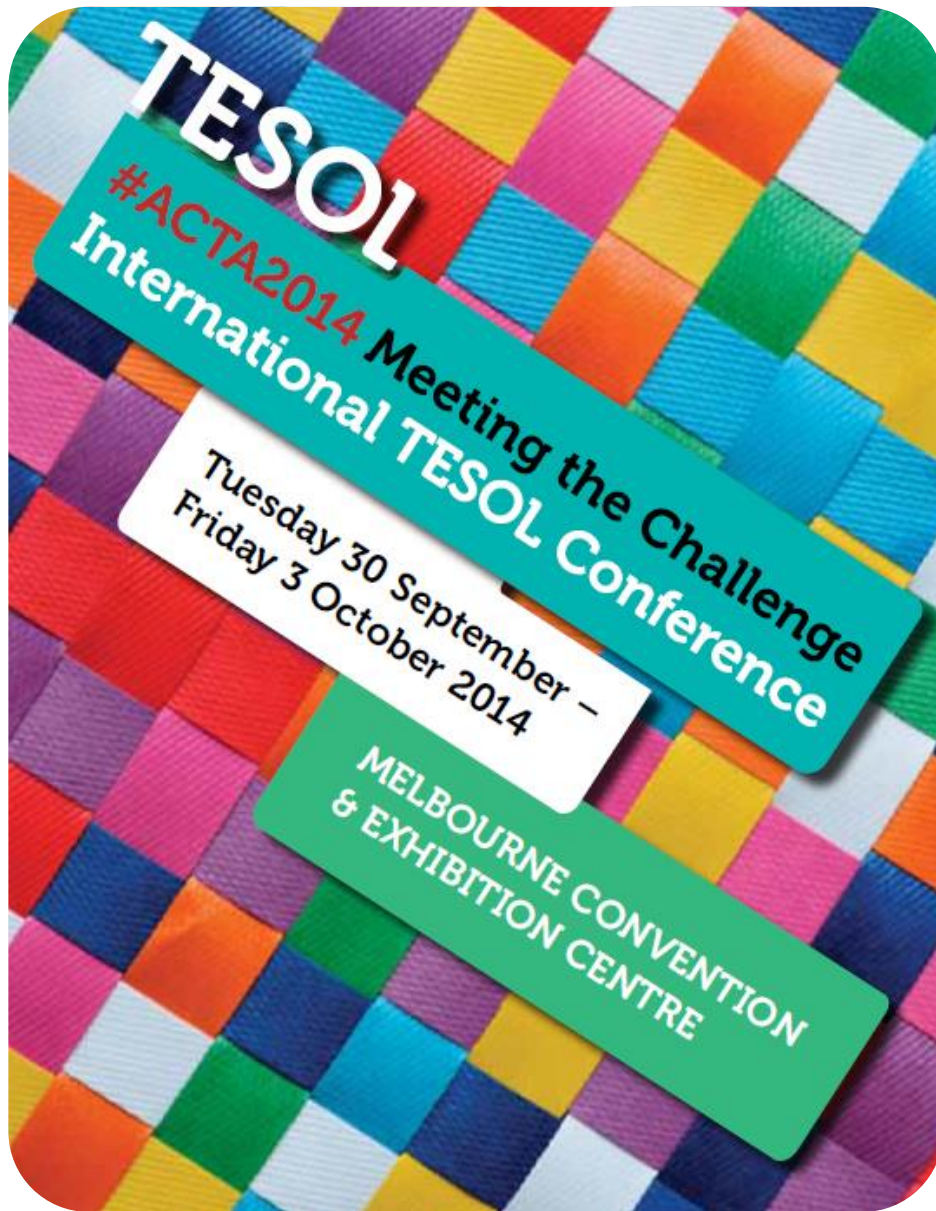
- Leadership support ($\beta = .245$, $p = .001$),
- Positive beliefs, attitudes and experience ($\beta = .190$, $p = .020$)
- Ease of use ($\beta = .188$, $p = .026$)
- Disadvantages for teachers ($\beta = .294$, $p < .001$)
- Age ($\beta = -.315$, $p = .039$)

CONCLUSIONS

- ICT for lesson preparation ⇔ ICT for classroom teaching.
- ICT use ⇔ positive beliefs, attitudes, experience
- ICT use ⇔ leadership support
- ICT use ⇔ ease of use + ICT training
- ICT use ⇔ pressure from others
- ICT use ⇔ (younger) age
- ICT use ⇔ disadvantages for teachers

RECOMMENDATIONS

- Leadership support:
 - ICT policy
 - incentives
 - access
- ICT training:
 - pedagogical use
 - technological use



Q & A

Your questions & comments are appreciated

Thank you

CONTACT

Corresponding author:

Xuan Thu Dang

Email:

thudx@hanu.edu.vn

