Archive Project

Close

Project P10928

Use of AI by Arden Lecturers & its Leadership Policy Implications

Faculty name

Business

School name

Leadership and Management

Module code

936 - Indpendent Study

Programme/Course title

MBA in Executive MBA

Project title

Use of AI by Arden Lecturers & its Leadership Policy Implications

Start and end dates of research

15 May 2024 - 15 Aug 2025

Proposed activity – aims, objectives, research question(s), and state how it is novel

Questionnaire to lecturers three schools
Sample size - 40 or above
Short Semi-Structured Interview to a few leaders in education if consented
Ethnography observation from May2024 to Jul2024 on lecturers' use of AI
Thematic analysis on interviews

Methodology – rationale, data selection and collection, recruitment, participant demographics, analytical process

Online QR Code - distributed physically or through email
All lecturers are recruited but data collection will be cutoff after it rearches cutoff time or required sample size
Lecturers from L&M school of computer or digital finance are given priority
SPSS analysis
Coding or theme analysis for interviews

Research Data Management Plan

Data stored in MS form .
Will not share original data set. Transcripts-interviews, conference speech, etc are stored in DOI
Data will be password protected
Will be Stored in school drive and server.
Whenever distributed, we will make anonymous the respondent details unless the interviewer or respondents' active request. Department would be made anonymous or pseudo-name will be used for external published materials.
Share of data will be focused on aggregated findings like overall trends and patterns rather than individualized critics unless department likes to get specific input for internal use. This is to minimize any shortcomings in case critics would jeopardize or bias university's reputation.
Moreover, participants or department will be given opportunities for correction or feedback as to interpretation and data source
As there is more potential benefits than its cons, it might be worthwhile to share internally at appropriate time.

References

Feng Jiao on SLM conference final schedule 2024

Project management

	Date	Description
#16093	01/05/2024	Instrument formation and research design Apr15- May 1 Pilot testing May 1-May 15 Presentation at conference May 15 Further lit review & Conference workshop data analysis May 16-Jun 1 Ethics approval May15-Jun 1 Final Data Collection-interview/ethnography /survey and Analysis Jun1-Jun 30 Write Up Draft Jun 1- Jul15 Editing Jul15-Aug1 Review and final edit Aug1-Aug15

Planned outputs/publications/research datasets/impact/dissemination

For SLM conference Paper

Use Professional Code of Ethical Practice? No

Primary or Secondary data? Primary

Will you be using human participants? Yes

Will your participants be from a vulnerable group? No

Will your research be exploring potentially sensitive or contentious issues? No

Survey level of use of AI by lecturers in Arden and factors affecting AI integration to inform leadership policy making

2

Why have I been chosen for this study?

SLM conference participant

3

What does this study involve?

Questionnaire to lecturers in one to three school
Sample size - Good to reach 60 or above
Short Semi-Structured Interview to a few leaders in education if consented
Ethnographic observation of lecturers' interactions at university
Thematic analysis on interviews

The whole study should take approximately

3 month

4

What are the benefits of participating in this study?

To find out current situation of Arden and find ways to support leaders to do digital transformation in AI.

5

What are the risks associated with my participation?

Not much risks as many AI tools are open sourced and no personal identification

6

Data collection and protection information

Data stored in MS form and in school server
Will not share original data set
Data will be password protected
Will be Stored in school drive
Whenever distributed, we will make anonymous the respondent details unless the interviewer or respondents' active request. Department would be made anonymous or pseudo-name will be used for external published materials.
Share of data will be focused on aggregated findings like overall trends and patterns rather than individualized critics unless department likes to get specific input for internal use. This is to minimize any shortcomings in case critics would jeopardize or bias university's reputation.
Moreover, participants or department will be given opportunities for correction or feedback as to interpretation and data source
As there is more potential benefits than its cons, it might be worthwhile to share internally at appropriate time.

Who will have access to the data?

No one else except main researcher

Yes

Please provide details

Survey – Lecturer adoption of AI and leadership policy implications
Section 1: Use of AI in Education
1. Do you use AI in your work at Arden? a. Yes b. No If b, go Question 4.
2. For How long have you used it?
a. [3 month
b. 3-6 month
c. 7 month – 1 year
d.] 1 year
3. If so, which package(s) do you use?
a. Canva
b. ChatGPT
c. Co-pilot
d. Teachermatic
e. Miro
f. Other (please specify)
4. How do you use the package(s)? Select all that apply:
a. Activity development
b. Content development
c. Creation of graphics
d. Feedback
e. Inspiration
f. Videos
g. Writing learning outcomes
h. Leisure
i. Other (please specify)
5. Do you intend to use AI in your teaching?
a. Yes. Go to Q6
b. No. Go to Q7
6. Do you require training in use of AI? a. Yes b. No
7. Why not? _____
Section 2: Demographic Information

1. Sex: [Male / Female / Other / Prefer not to say]
2. Age: [Under 18 / 18-24 / 25-34 / 35-44 / 45-54 / 55-64 / 65 or older]
3. School under which you work:
4. Educational Background: [High School / Bachelor's Degree / Master's Degree / PhD or higher / Other (please specify)]
5. Name: _____
Pls Turn Over

8. There are several factors affecting teachers' technology integration with AI
Rank them in order of importance (tick in the table following):
Factors Not important Slightly important Fairly important Very important Utmost important
A
B
C
D
E
F
G
H
I
J
K

A Technological infrastructure: Access to reliable & up-to-date AI technology e.g.hard & software

B Internet connectivity

C Technical support: Teachers require adequate technical support to help them troubleshoot technical problems and to provide assistance in using

D New technology tools and resources. Without adequate technical support, teachers may be hesitant to integrate technology into their teaching.

E Teacher attitudes and beliefs: Teachers' attitudes towards technology, self- efficacy, beliefs about effectiveness of technology in enhancing teaching/ learning play a role in their willingness to use

F Prior experience and knowledge: Teachers who have previous experience using technology or have received training in use of AI are more likely to incorporate digital tools in teaching

G Confidence and competence: Teachers' confidence, comfort and competence in using technology can influence their technology integration to adopt AI in their teaching practices.

H School culture and leadership: The school's culture, including the extent that innovation is encouraged, and the support provided by school leaders can affect use of AI.

lecturer

K Sharing of knowledge. Breaking the boundary of sharing within and across universities would facilitate the adoption of
https://forms.office.com/e/gH0dtXiv51?origin=lprLink

Open Ended Interview questions:
up 5-10 minute open ended interview:
How do you perceive the result?
(Pilot study result, with prompts on areas shown in conference presentation)
What is your opinion on use of AI in our Department and Arden in general?
What kind of opportunities you see in this and how we move forward?

2

Are you dealing with sensitive data (e.g. personal data, organisational data, those with vulnerable groups)?

Yes

If yes, please outline how this data will be stored securely to ensure compliance with GDPR (all data MUST be stored on the AU Onedrive, not on personal drives)

Data stored in MS form and in school server
Will not share original data set
Data will be password protected
Will be Stored in school drive
Whenever distributed, we will make anonymous the respondent details unless the interviewer or respondents' active request. Department would be made anonymous or pseudo-name will be used for external published materials.
Share of data will be focused on aggregated findings like overall trends and patterns rather than individualized critics unless department likes to get specific input for internal use. This is to minimize any shortcomings in case critics would jeopardize or bias university's reputation.
Moreover, participants or department will be given opportunities for correction or feedback as to interpretation and data source
As there is more potential benefits than its cons, it might be worthwhile to share internally at appropriate time.

© 2024 Arden Research Management System - All Rights Reserved

Privacy Policy Terms & Conditions Accessibility Cookie Policy