INTERVIEW QUESTIONS

General Description

The following questions will form the basis for engaging stakeholders (participants) in a semi- structured interview using the following format:

- Stakeholders will be provided with the questions prior to the interview;
- Stakeholders will be provided with the questions in Powerpoint (.ppsx) and Portable Document Format (.pdf) prior to the interview;
- All interviews will be conducted by landline telephone, online web conference connection or face-to-face according to the wishes of the Participant;
- All interviews will be complete in approximately ninety minutes (90 minutes) or less;
- Written permissions will be sought of the Participant to record the telephone conversation;
- Written transcription of recording will be provided to the Participant;
- The Participant will have 7 days to respond (from the point of receipt) to the Interviewer about amendments sought of the provided transcript;
- Feedback, additional notes, and supplementary resources may be added to the transcription by the Participant

Interview Format

The following questions will be:

- Presented sequentially; as forming a basis for engaging stakeholders in a conversation;
- Presented in written format during the interview;
- Delivered orally in a semi-structured interview style during the interview;
- Repeated, re-phrased or visually revisited upon request by the stakeholder;
- Transcribed from a digital oral recording to a written format using Tansana or similar software

Each stakeholder will:

- Receive during the interview the same questions in the order 1 through 16;
- Have an opportunity to seek clarification or extension to a question;
- Be encouraged to freely associate in conversation as a means to answer a question;
- Have access to the written transcription for feedback purposes

Interview Methodology

The following methodology will apply to each of the interviews conducted with Participants in this study:

1. *Welcome* - Researcher will welcome the Participant to the interview setting;
2. *Notice of Intent to Record* - Researcher will indicate and request permission to begin recording conversation noting date recorded on the Consent form received from the Participant;
3. *Introduction* - Researcher will state their name, role and organisation;
4. *Purpose statement* - Researcher will state the purpose of the activity and the manner in which the the interview will proceed;
5. *Continuous Declaration* - At ten minute intervals the Researcher will seek the continuation of the recorded discussion until cessation of interview at no more than 60 minutes;
6. *Cessation of Recording* - researcher will audibly note cessation of the recording of the interview;
7. *Participant Notification* - Researcher will inform Participant of the follow up communication and review process for transcribed content

Context Notes

The following methodology will apply according to the selection of technology selected that suits interviews conducted with Participants in this study:

1. *Telephone* (*teleconference*) - conducted at a negotiated time, date and in a designated location by landline connection to minimise interference or call dropout recorded using a digital voice recorder;
2. *Web Conference* - conducted at a negotiated time, date in a designated location by online connection recorded using the audio recorder feature only;
3. *Face-to-face* - conducted at a negotiated time, date and in a designated location recorded using a digital voice recorder.

Note

The following interview questions that are noted in **bold** serve as the principal question that will be used with the Participant. Additional questions *may* be used to support this semi-structured interview process and may be called upon at any time in no set order to support continuation of the interview.

Interview Questions

Familiarity

1.0 What does the term 'wearable technology' mean to you?

1.1 - Where else have you come across that term used?
1.2 - What are the main differences between wearable and non-wearable technologies?
1.3 - Is the term 'wearable' limited and if so what other terms would you use instead?
1.4 - Would you consider your cell phone as a wearable technology?
1.5 - What other technologies would you consider fall into the category?

Definition

2.0 What are the main differences, from your perspective, between hand-held technologies, wearable technologies and body-worn technologies?

2.1 - How do these technologies differ from say a mobile phone (cell phone) or a location tracking device ie. a Trackstick?
2.2 - Can you name at least three examples or brands of location-enabled body-wearable technology?
2.3 - What terminology would you use to describe these technologies instead of "location-enabled body-wearable" ?
2.4 - What other names/terms have other people used when discussing these technologies?
2.5 - What range contexts or occupations are you aware of where these technologies have been used?

Perception

3.0 What controversies (if any) are you aware of that involve this type of technology?

3.1 - Are these controversies just hype in your opinion?
3.2 - How do YOU differentiate between the perceived or the actual implications of these technologies in your own respective workplace or social setting?
3.3 - What fears do you believe some people have that this technology poses for society?
3.4 - In your opinion are there privacy, security or identity management implications to using this technology and why?
3.5 - Could you (after this interview) provide me with at least two online locations of where these technologies have featured in news media articles recently?

Legality

4.0 Are there any legal ramifications for using location-enabled body-worn technologies in your country or other geographical jurisdiction?

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4.1 - Are you aware of any legal, cultural, safety or other restrictions known to you for these technologies in your organisation or workplace?
4.2 - What restrictions, if any, are you subject to with using these technologies with students?
4.3 - Has anyone restricted your use or prevented you from using these technologies in any context due to privacy concerns? security concerns?
4.4 - How do you protect the rights of individuals who may appear in recordings or other data capture as a result of your activities using this technology?
4.5 - Where would you turn to for support in better understanding the legal ramifications or dependencies that arise from the use of these technologies in this context?

Data Integrity - Consent

5.0 Are you aware of anyone seeking ethics approval from their organisation to use this technology with students?

5.1 - How do you / your organisation currently manage data generated by these technologies?
5.2 - How or do students provide permissions/consent for the use of this technology in their learning setting?
5.3 - Do you consider there to be any ethical implications for educators using this technology in an education or training setting?
5.4 - Do cultural issues / sensitivities exist that you must acknowledge as part of the consent process?
5.5 - Why is ethical considerations for the capture, retention and use of data that emanates for these technologies important?

Data Management - Ownership

6.0 - How do you / your organisation manage data that is owned or created by the student, the teacher or others?

6.1 - How do you attribute the contributions of others who may appear in your data/productions?
6.2 - Can that data be re-used in your role or organisation for further purposes with/without consent the students or other participants consent?
6.3 - Are the systems and processes for storage, access, sharing or removal subject to secure work policies in your organisation?
6.4 - How do and where do you publish your media data?
6.5 - If so, why do you publish in that online location?

Background

7.0 When did you first hear about (or indeed have you heard about) location-enabled body wearable technologies being used in an education and/or training context?

7.1 - Do you believe these technologies are appropriate to use in an educational or training setting?
7.2 - In your opinion, what are the key factors that have led to the use of location-enabled body-worn technologies ie. PoV cameras for educational purpose?
7.3 - Are you aware of any barriers to the adoption of this technology in a learning setting ie. too costly, clunky, getting ethics approval, lack of support, need for training?
7.4 - In what roles or occupations do you perceive or know about that use these technologies currently as part of operational activities that requires the operator to be trained?
7.5 - Does it seem odd to you or logical that these technologies are used for generating education and training media based resources?

Attribution - Legacy

8.0 Do you consider yourself as a contributor to, a founding innovator only or directly responsible for the uptake and use of location-enabled body-worn technologies in your respective area or discipline?

8.1 - Do you feel complicit to or responsible for the uptake of this technology in society? your community? your organisation?
8.2 - How do you position yourself now with your contribution that has occurred in the past?
8.3 - How do you ensure others correctly attribute your contribution to this field of endeavour?
8.4 - Have you published your contributions in this area ? Can you (after this interview) provide links to these publications?
8.5 - Do you consider this area of research important? interesting? and why?

Impact - Social / Workplace

9.0 What benefits or risks do you consider may emerge from the use of location-enabled body-worn technologies in an educational context?

9.1 - What are the controversies that you are aware of that surround the adoption of this technology? Are they any risks in using these technologies that you are aware of?
9.2 - Are you aware of any cases or evidence of where this technology has led to an actual or perceived loss to an individuals personal privacy, security or social well-being?
9.3 - Is it possible to be affected by being in close proximity to others using this technology?
9.4 - How do you or your organisation minimise risk with emergent technology use?
9.5 - What ensures risk is balanced with a healthy environment that fosters innovation and creativity?

Network

10.0 What does the term "location enabled" mean to you within the context of location-enabled body-worn technologies?

10.1 What are the main differences between this type of device and those body-worn technologies that are not location enabled?
10.2 - Are you aware of GIS services that connect this body worn technology to live services ie. location tracking applications? Whom?
10.3 - What risks or potentially harmful outcomes do you consider may emerge from the use of location-enabled body-worn technologies specifically in an educational context?
10.4 - How can these risks be minimised in your opinion?
10.5 - Do you have any examples of where this location enablement supports workforce practices?

Service Management

11.0 Who provides you or or your organisation with these technologies?

11.1 - What relationship do you or your organisation have with the providers of the location enabled systems provision for these technologies?
11.2 - How do you manage storage of all this rich media data?
11.3 - Who determines which data is stored or not? maintain that data integrity?
11.4 - How do you share this media data?
11.5 - What role do social networks play in the storage, aggregation and re-use of this data?

Evidence

12.0 Can you identify at least two current cases where location-enabled body worn technologies are currently being used in an education setting?

12.1 - What potential occupations could you see this technology being used in?
12.2 - How does this technology use complement other learning & teaching methods?
12.3 - In your organization which policies govern how this technology can be used?
12.4 - To what extent are location-enabled body-worn technologies now challenging educational practices?
12.5 - Can you provide me with examples of where these technologies have had a significant impact on educational activities that have resulted in other activities ceasing to be used to gain the same results?

Technical

12.0 Has there been any fundamental issues with the uptake of the use of this technology in your organization from a technological or support level perspective?

12.1 - Were there any assumptions that this technology would solve a technical issue and if so...what?
12.2 - Has the deployment of this technology involved lots of technical training, professional development or other resources to support uptake?
12.3 - Can you list what known technical issues educators might experience when first using this technology?
12.4 - What would you recommend educational institutions consider technically before providing access to this technology to teachers and students?
12.5 - Can you forsee a time when the use of these technologies will require professional development activities for educators?

Outcomes

13.0 What are some of the key learning outcomes that using this technology has enabled?

13.1 - How were these learning experiences assessed?
13.2 - Did validation of the learner undertaking the assessment task influence the choice to use this technology for this assessment purpose?
13.3 - Were alternatives offered to learners to achieve the same learning outcomes?
13.4 - Was a social reflective component built into the curriculum or learning experience?
13.5 - Are you aware of anyone trying to fudge results or interfere with the validation of data as a direct result of using these technologies?

Feedback

14.0 Have any of the educators or students complained about your use of or others using this technology?

14.1 - Did you receive any favourable or positive feedback from students?
14.2 - Were there any surprise or unusual results from students using this technology?
14.3 - Did anyone seek to undertake an alternative assessment in preference to using this technology? W
14.4 -Was that an option and if so how did you manage the difference in assessment types?
14.5 - Did anybody who did use the technology seek removal of recordings or deletion entirely of the data from your records? If so, why?

Futures

15.0 What impacts have location-enabled body-worn technologies had or are likely to have upon (a) yourself, (b) your colleagues or (c) your industry?

15.1 - Does the term 'cyborg' mean anything to you?
15.2 - Do you regard this technology as part of a wider socio-technical phenomena?
15.3 - Is the trajectory of this technology likely to be that of where it will be the norm rather than different?
15.4 - What are the shortcomings of this technology in general?
15.5 - What would you consider are defining characteristics of those who readily adopt location-enabled body-wearable technologies for workplace purposes?

Effects

16.0 Do you have any thoughts on whether there will be the longer terms effects of use of this technology on society as a whole?

16.1 - What are the ethical considerations you believe are most important for consideration as to how to guide and inform debates that centre on the use of this technology in an education or wider social setting?
16.2 - What are the moral impacts of regulation that prevents people freely using this technology in public settings?
16.3 - Will there be wider social impact as these technologies become ambiently intelligent ie. (NFC)?
16.4 - Do you consider there to be any links between these technologies and the normalisation of technologies that are linked to the surveillance of citizen activities?
16.5 - Where are debates and discussions around these potential effects occurring at present?

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