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A Study of Mobile Learning Trends at the U.S. Naval Academy and the Naval Postgraduate School

Ruth, David Michael; Mastre, Thomas M.; Fricker, Ron

Monterey, California. Naval Postgraduate School

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ABOUT THIS SURVEY

Introduction. You are invited to participate in a survey of Naval Postgraduate School (NPS) students to help the Center for Education Design, Development, and Distribution (CED3) and the NPS administration assess your need and interests in "mobile learning." In short, NPS wants to better understand how students would like to use hand-held mobile electronic devices (e.g. smartphones, ipads, and e-readers) to enhance their graduate education experience at NPS.

Procedures. The survey is being conducted via the web. *It should take no more than 5-10 minutes to complete.*

Risks. The potential risks of participating in this study are inadvertent disclosure of individual survey responses. To mitigate this risk, the project has implemented extensive data safeguarding procedures, a copy of which is available from the principle investigator, Professor Ron Fricker. Yet, even with such procedures in place, there always remains some risk, however small, of a data breach.

Benefits. An anticipated benefit from this study is to provide the NPS student with the ability to more readily access course content via mobile devices. *This is your opportunity to provide the CED3 with your frank and honest feedback so decisions can be made that will most benefit the NPS student body.*

Compensation. No tangible compensation will be given. A copy of the research results will be available at the conclusion of the experiment from CED3, Ms. Diane Jones, 831-656-2175, dnjones@nps.edu.

Confidentiality & Privacy Act. Any information that is obtained during this study will be kept confidential to the full extent permitted by law. All efforts, within reason, will be made to keep your personal information in your research record confidential, but total confidentiality cannot be guaranteed. Your participation in the survey and your responses to the survey will not be disclosed outside of the research team. Your survey responses will be merged with demographic data provided by the NPS Registrar for purposes of analysis. However, survey results will only be reported in the aggregate so that individual responses cannot be determined. However, it is possible that the researcher may be required to divulge information obtained in the course of this research to the subject's chain of command or other legal body.

Voluntary Nature of the Study. Participation in this study is strictly voluntary, and if agreement to participation is given, it can be withdrawn at any time without prejudice.

Points of Contact. Please contact the principal investigator, Dr. Ron Fricker, 831-656-3048, rdfricker@nps.edu, or the survey project leader, LCDR Tino de la Cruz, cfdelacr@nps.edu, with any questions about this survey.

In this section we are interested in learning about your hand-held mobile devices and how you use them.

Do you own a smartphone? (Such as iPhone, Android, and Blackberry)

Yes

No

Which type of smartphone do you own?

iPhone

Android phone

Blackberry

Windows Mobile

Other (please specify)

Which best describes your data plan for Internet access on your smartphone?

Limited

Unlimited

Does your smartphone have WIFI (wireless Internet) capability?

Yes

No

I don't know

On average, how often do you do the following using your smartphone?

	Daily	Weekly	Monthly	Greater than Monthly	Never
Download podcasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Download audio files (excluding podcasts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stream audio files (excluding podcasts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Download video files (excluding podcasts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stream video files (excluding podcasts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Download e-books	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Download applications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Browse the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Check your e-mail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you do the following using your smartphone?

	Yes	No
View Adobe (pdf) files	<input type="radio"/>	<input type="radio"/>
View Word files	<input type="radio"/>	<input type="radio"/>
View Excel files	<input type="radio"/>	<input type="radio"/>
View Powerpoint files	<input type="radio"/>	<input type="radio"/>

Do you use your smartphone to access the following NPS Educational Tools? Check all that apply.

- NPS e-mail
- Sakai
- Blackboard
- Mustering
- Moodle
- Python
- Elluminate
- NPS public website (nps.edu)
- NPS Intranet
- I do not access any NPS educational tools on my smartphone
- Other (please specify)

Do you own a PDA?

(Such as iPad, Zune HD, iPod Touch, Palm, excluding previously mentioned devices)

Yes

No

Which type of PDA do you own?

iPad

iPod Touch

Zune HD

Palm

Other (please specify)

Does your PDA have WIFI (wireless Internet) capability?

Yes

No

I don't know

On average, how often do you do the following using your PDA?

	Daily	Weekly	Monthly	Greater than Monthly	Never
Download podcasts	jñ	jñ	jñ	jñ	jñ
Download audio files (excluding podcasts)	jñ	jñ	jñ	jñ	jñ
Stream audio files (excluding podcasts)	jñ	jñ	jñ	jñ	jñ
Download video files (excluding podcasts)	jñ	jñ	jñ	jñ	jñ
Stream video files (excluding podcasts)	jñ	jñ	jñ	jñ	jñ
Download e-books	jñ	jñ	jñ	jñ	jñ
Download applications	jñ	jñ	jñ	jñ	jñ
Browse the Internet	jñ	jñ	jñ	jñ	jñ
Check your e-mail	jñ	jñ	jñ	jñ	jñ

Do you do the following using your PDA?

	Yes	No
View Adobe (pdf) files	jñ	jñ
View Word files	jñ	jñ
View Excel files	jñ	jñ
View Powerpoint files	jñ	jñ

Do you use your PDA to access the following NPS Educational Tools?

Check all that apply.

- NPS e-mail
- Sakai
- Blackboard
- Mustering
- Moodle
- Python
- Elluminate
- NPS public website (nps.edu)
- NPS Intranet
- I do not access any NPS educational tools on my PDA
- Other (please specify)

Do you own an mp3 player?

(Such as iPod, Zune, MuVo, CreativeZen, SanDisk, excluding the previously mentioned devices)

Yes

No

Which type of mp3 player do you own?

iPod

Zune

MuVo

CreativeZen

SanDisk

Other (please specify)

Do you do the following using your mp3 player?

	Yes	No	My device does not have that capability
Listen to podcasts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Watch podcasts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Listen to audio files (excluding podcasts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Watch video files (excluding podcasts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Do you own an E-book Reader?

(Such as Kindle, Reader, Nook, excluding previously mentioned devices)

Yes

No

Which type of E-book Reader do you own?

Barnes and Noble Nook

Amazon Kindle

Sony Reader

Other (please specify)

Do you listen to audio files using your E-book Reader?

Yes

No

On average, how many newspapers/magazines related to your curriculum do you download using your E-book Reader per quarter ?

0

1-3

4-6

7-9

10 or more

On average, how many textbooks do you download using your E-book Reader per quarter?

0

1

2

3

4 or more

On average, how many books do you download for your personal use using your E-book Reader per quarter?

0

1-3

4-6

7-9

10 or more

In this section we are interested in how you would like to use hand-held mobile devices to enhance "mobile learning" at NPS.

Mobile learning is education that happens when the student is not at a fixed, predetermined location, and happens when the student takes advantage of the learning opportunities offered by hand-held technologies.

Do you agree or disagree with the following statement:

I would use mobile learning on my hand-held device if it were available in my curriculum.

Strongly agree

Agree

Neutral

Disagree

Strongly Disagree

Which educational material(s) would you like to access on your hand-held mobile device?

Check up to three choices.

- Podcasts of lectures
- Audio files of lectures (excluding podcasts)
- Videos of lectures (excluding podcasts)
- Applications (Apps) for classwork
- Course calendar syncing
- Textbooks
- Non-textbook course readings
- Sakai
- BOSUN catalogue
- Other (please specify)

Have you utilized mobile learning on your hand-held mobile device in the past?

Yes

No

Which devices/software/applications did you like and why?

	5
	6

Which devices/software/applications did you dislike and why?



If NPS educational tools were available for mobile learning, which hand-held device(s) would you be interested in purchasing or upgrading to?

Check all that apply.

- Smartphone (Such as iPhone, Android, and Blackberry)
- PDA (Such as iPad, Zune HD, iPod Touch, Palm, excluding previously mentioned devices)
- mp3 Player (Such as iPod, Zune, MuVo, CreativeZen, SanDisk, excluding the previously mentioned devices)
- E-book Reader (Such as Kindle, Reader, Nook, excluding previously mentioned devices)
- Not interested

Other (please specify)

How much are you willing to spend on a hand-held mobile device to access NPS educational tools?

- \$0
- \$1 - \$99
- \$100 - \$199
- \$200 - \$299
- \$300 - \$399
- \$400 - \$499
- \$500 or more

How much are you willing to spend on adding/upgrading your data package to access NPS educational tools per month?

- \$0
- \$1 - \$9
- \$10 - \$19
- \$20 - \$29
- \$30 or more

In this section, we would like to understand how comfortable you are with technology.

When it comes to learning new devices, I would rather:

- Not learn a new device
- Learn how to operate it on my own
- Have someone teach it to me

Complete the following sentence as it applies most to you. When it comes to computers:

- People call me to help them fix their computers.
- I am comfortable with learning new programs and hardware.
- I need assistance when figuring something new out.
- I struggle with basic usage.

Finally, in this section we would like to know a little bit about you and give you an opportunity to tell us anything else about your experience or what you like to see regarding mobile learning at NPS.

In which category do you belong?

- U.S. Air Force
- U.S Army
- U.S Coast Guard
- U.S Marine Corps
- U.S Navy
- U.S. Civilian
- Foreign Military
- Foreign Civilian

Which age group do you fall into?

- 20-24
- 25-29
- 30-34
- 35-39
- 40-44
- 45-49
- 50-54
- 55 and above

Are you a Resident or Distributed Learning Student?

Resident Student

Distributed Learning Student

Do you own a laptop?

Yes

No

How many quarters have you been enrolled in classes (including this quarter)? Please count the refresher quarter, if applicable.

1-2

3-4

5-6

7-8

9 or more

What have we not included in this survey that you would like to add regarding mobile learning?

5

6