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# Healthcare and Games Technology Learners Co- Designing a Placement Support APP Prototype.

RePAIR

## Purpose of the RePAIR study

The **RePAIR** project was established to deliver an aspect of the Department of Health's HEE 2015 refreshed Mandate.

**6.19** *Unnecessary attrition from training programmes can result in significant cost and impact on the health and wellbeing of students. HEE's objective is to reduce avoidable attrition from training programmes by 50% by 2017.*

**Scope:**

- Nursing
- Midwifery
- Therapeutic Radiography

**“ RePAIR has enabled us to rekindle the discussion.”**



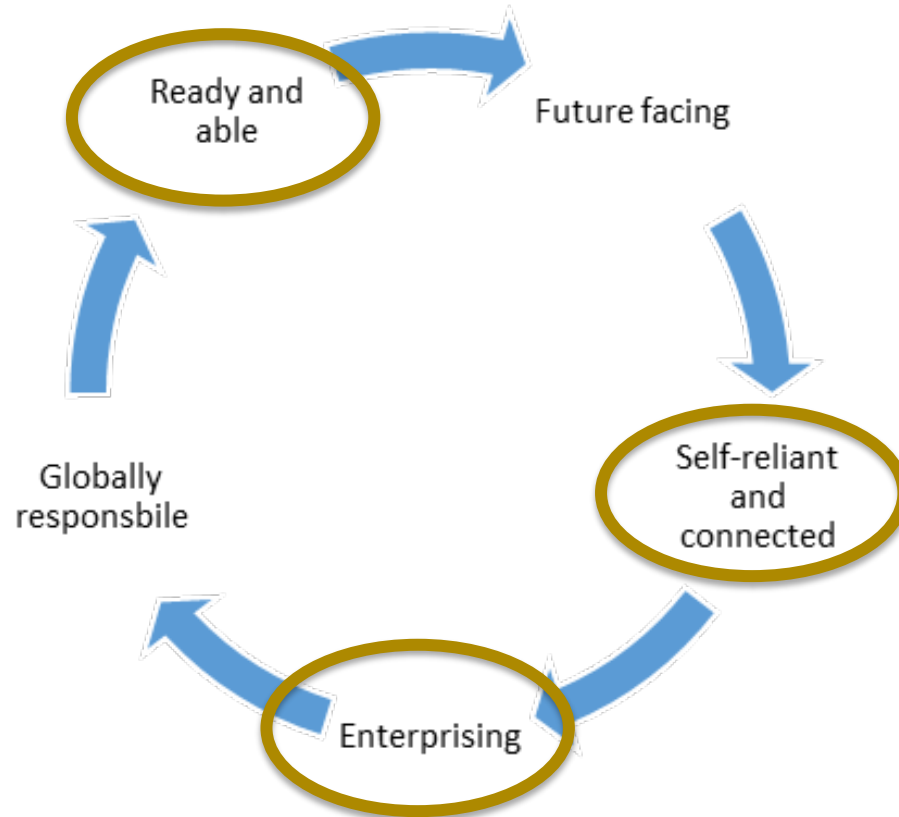
# Why is RePAIR Important?

Makes sense on a:

- Business Level
- Partnership Level
- Professional Level
- Personal Level
- Moral Level

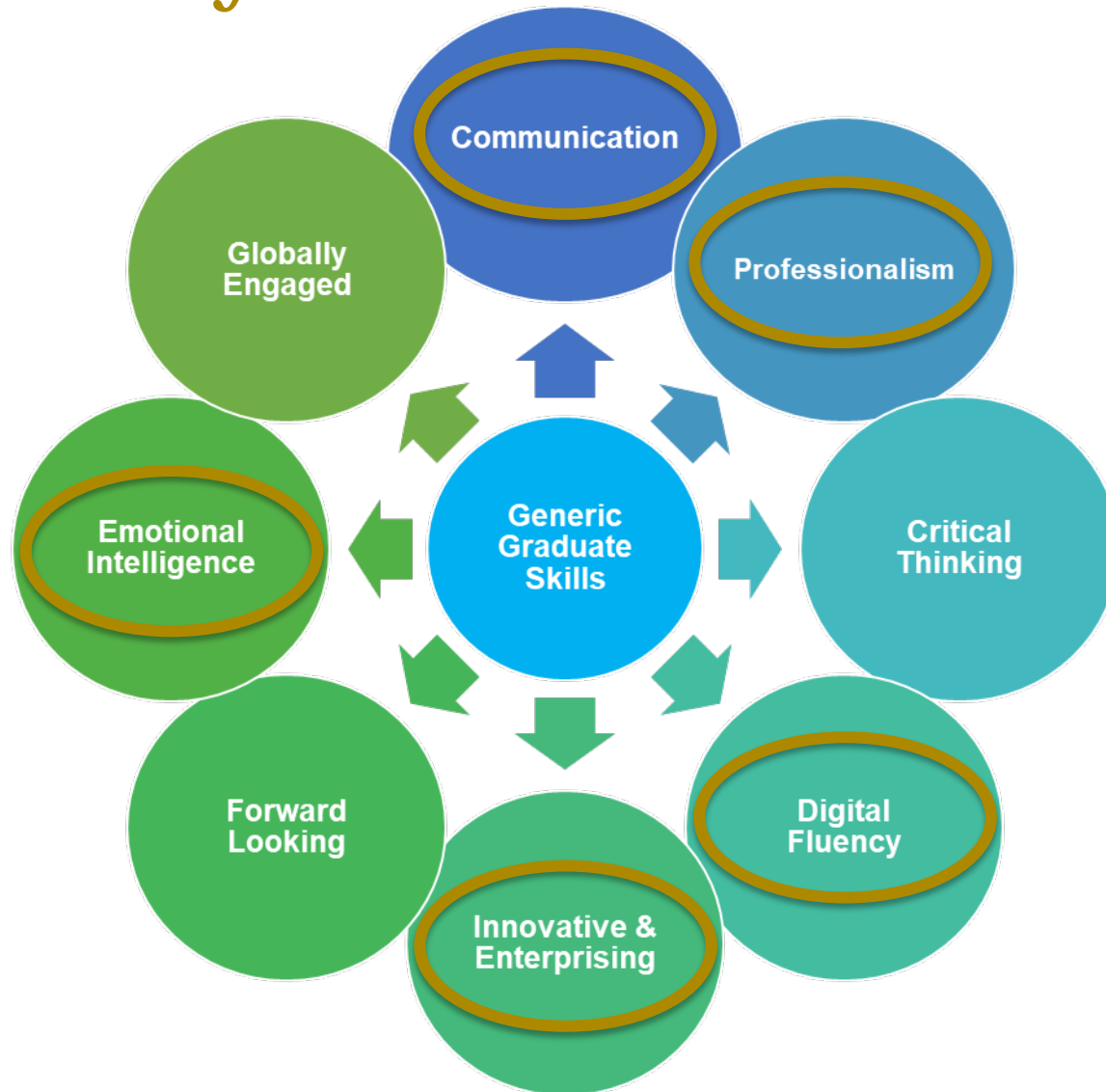


# UWE's 5 Graduate Attributes



Help students to develop academic, citizenship and career competencies

# HAS Faculty 'Generic Graduate Skills'



# External Bodies

## TEF Metrics

- NSS/ PTES
- Non-Continuation data
- Employment data – GOS/LEO

## PSRB requirements

## RePAIR Phase 2 Key Findings

Concern about communication between the universities and organisations that provide their clinical placements:

- Lack of consistent effective communication between the HEI staff and the Service Provider staff
- The timeliness of the information about the clinical placement allocation
- Paucity of information about the clinical placement
- Lack of information about programme of visits by the academic tutors.
- Perceived inequity of clinical learning opportunity.

# Social Media

- A national focus group with nursing students included a discussion about students' preferred approach to social media to help improve communication between clinical placement sites and HEIs. **The group agreed that the most appropriate development would be based on the concept of an APP**
- UWE offered to explore the proof of concept and to work with HEE to develop a prototype APP to enable the student, practice educator and academic to communicate more effectively about aspects of clinical practice.



# RePAIR Toolkit

## Supporting clinical placement – student lens

- Placement scheduling
  - Students can access placement information: e.g. schedule of placement allocations, clinical services where they are placed, key contact details, shifts and travel arrangements.
- Knowledgebase and messaging
  - Students can engage directly with more senior students and alumni and those in the other clinical placement areas.
  - The students can communicate with alumni, peers and practitioners that they have directly interacted with during their placement.
- Progress timeline
  - An auto-generated timeline of activity that can serve as a repository of notes, feedback, achievements during placement.

## ..... clinical educators lens

- Clinical practice assessment
  - Students and clinical practice educators can access latest versions of the practice assessment documentation, associated guidance, and learning outcomes.
- Insight and retention
  - Provide a window into student activity during placement that may inform more appropriate placement pedagogies or different support structure.
- Improved networks
  - Foster an accessible community of practice for clinical placements where students feel empowered to engage others more directly around their experience.

# UWE Cross-Faculty Relationships

**Andy King** – Associate professor, technology + innovation.

- [The Foundry](#)

A network of enterprise studios at the heart of UWE campus where students work on projects for industry clients alongside their studies

- **Play West**

UWE's student and graduate powered games company, applying games technology to real world problems



# UWE App Prototype Development

- Approach
  - Groups involved 4 branches nursing , midwifery and RT
  - Pragmatic
  - Therapeutic Radiography students - ‘where compassion meets technology’ - as co-designers
- Focus Group 1. Sample & Population:
  - Convenience (n=18)
  - Year 2 learners
  - Completed first ever placement (14 weeks)
  - Geographically dispersed placements: Poole, Truro; Gloucester
  - Divided into 4 groups and asked a set of trigger questions about what they would like from a placement support APP.



# Focus Group Task 1- Killer Features

## Questions

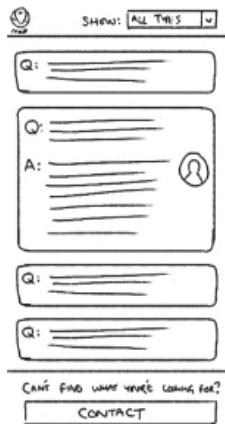
1. Imagine your group is designing the RePAIR app
2. What functionality/features would you include to ensure succeed on their placement?

# Focus Group Task 1- Killer Features

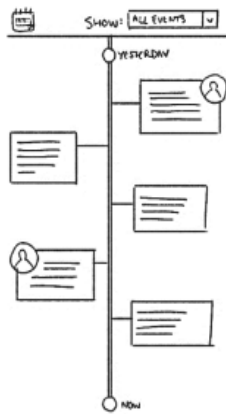
## Responses

- |

# Focus Group Themes



Find Out



Take Note



Speak To & Network

- Information on one place
- Information repository
- Newly qualified alumni as curators
- Need to ensure everyone is trained to use it



# Focus Group Task 2- Any Extra Toppings?

## Questions:

1. Take time to imagine using the app in your group
2. Do you think these stages/features are useful?
3. Would you add any of your killer features #1?
4. Is there anything you'd change?

# Focus Group Task 2- Any Extra Toppings?

## Responses:

- 1.

# How it Works

## **STAGE ONE:** Pre Placement

- Q&A Community of Alumni/Professionals
- Where alumni curate content for students & students can pin elements/resources for their survival toolkit

## **STAGE TWO:** On-placement activity support

- Activity Timeline: Annotated & edited diary, exportable
- Support Messaging: avatars are click to msg+ intelligent search
- Placement survival toolkit: anatomy/glossary/maps/etc.

## **STAGE THREE:** Post placement & Post qualification

- Alumni can become STAGE 1 contributors
- Perks and recruitment / placement portal



## Alumni Knowledgebase

Students can get pre-placement questions they have answered by alumni and can be signposted to appropriate content in an curated manner.

## Activity messaging

Students are able to communicate with alumni, peers and practitioners they have directly interacted with during their placement through the app.

## Progress Timeline

Students can edit and update an auto-generated timeline of activity, notes, feedback and achievements during their placement which can be exported as a record of achievement.



## Activity Toolkit

With the support of graduates, students can build a survival toolkit of useful applications and reference resources within the app for use during their placement

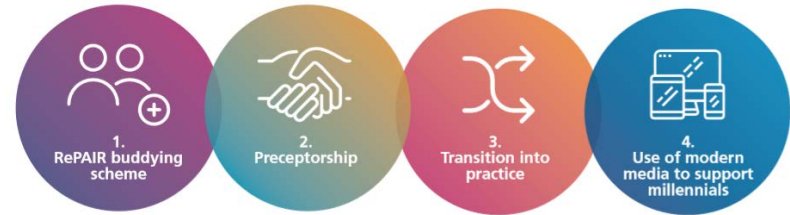
## Improved networks

To foster an accessible community of practice for clinical placements where students feel empowered to more directly engage others around their experiences.

## Improved retention

The app is home to a graduate community of practitioners who support successive intakes of students, with access to perks and a recruitment platform.

# Early interface design themes



- Using RePAIR style, shapes and colours
- With intuitive, flexible interface



# App Prototype so far



# RePAIR next steps

RePAIR recommendations and legacy projects are distilled into 4 key domains

1. Building the practice learning capacity
2. Learner clinical supervision and support
3. Preceptorship toolkit
4. **On-line platform to support student and staff placement communication**

# Thank you for listening

## Acknowledgements:

- Janice St-John Matthews – Academic director, department of allied health professions
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- Year 2 RT students
- Technology students
- Professor Mary Lovegrove, RePAIR project lead – Allied Health solutions