A Honeypot of rich ideas – Building online communities to promote knowledge exchange and collaboration between creative arts and engineering

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“Riding Giants: How to innovate and educate ahead of the wave” ALT 1-3rd Sep 2014

A Honeypot of Rich Ideas:
Building online communities to promote knowledge exchange and collaboration in creative arts and Engineering

https://twitter.com/HudHoneypotIce

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Honeypot

- On-line platform
- Providing a network collaboration
- Level 5 (NQF) UG
- 8 subject areas (two schools)
- Exchange ideas
- Multi-discipline teams
- Co-develop knowledge and skills
- Open – sits outside the curriculum
- Mentor – VPI Prof Stefan Gabriel President of 3M New Ventures
High-level specialism/expertise with the ability to work collaboratively.
Software

- Web based software
- Authenticated with our students usernames
- Three Phases

1. Create profile and pitch an project idea
2. Apply Phase: skill match and join a project
3. Voting for the best project

- Launched with a high-profile event – Prof Stefan Gabriel
HoneyPot: Sucesses

Winners from HP1

- **Software Development studio**
- 2 graphic Design students (ADA)
- 2 Computer systems (C&E)

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<tr>
<th></th>
<th>students</th>
<th>projects</th>
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<tbody>
<tr>
<td></td>
<td>ADA</td>
<td>C&amp;E</td>
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<tr>
<td>Honeypot 1 Oct-Dec 2013</td>
<td>25</td>
<td>26</td>
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<tr>
<td>Honeypot 2 Feb-April 2014</td>
<td>45</td>
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Winners from HP2

- **Solar Powered UAV**
- 4 PD (1 first year) and 2 Mech Eng
Feedback from the students:

Value of networks: “Honeypot would be a great concept if it were inter-university” (Launch Oct 2013), “Interesting Idea to get people together” (HP1 winners 2013) “Very good networking tool for student enterprise” (Launch Oct 2013)

Focused approach: “Before a student submits an idea it should be revised by someone” (End of HP1), “perhaps a summer project” (Launch Oct 2013), “proof of concept event should not be organised near exams” (POC April 2014), “Didn’t realise your idea could be a service, I thought the idea had to be a product” (HP1 winners 2013) “It should be organised and planned for individuals not just teams” (POC April 2014)

Expanding opportunity: “Consider including final year students as many final years are perhaps more ready for enterprise activity” (Launch Oct 2013)
Challenges

Barriers open access

- Factors out of our control, outsourcing web design
- Legal contracts first – IP, NDC
- Experts for advice

Motivating students

- Outside curriculum (engaging the students)
- Networking across courses – mix them up
- Student experience (reluctant to register project)
- Creating value to learning
- Still need the physical environment - knowledge
- Confidence to take project further (needed mentors)
Challenges: Software

- Navigation
- Flexibility
- Administrator interface
- Admin heavy

Special Thanks
Stephan Calcutt (HEA A&D Technician of the year)
VPI Prof Stefan Gabriel

Honeypot
is designed to bring together students, who value innovative-thinking and ideas generation as part of their undergraduate

- Knowledge Communities
- Knowledge Exchange
- Knowledge Building