Further & Higher Education – Entrepreneurship Forum

University of South Wales
Prifysgol De Cymru

Eric Llewellyn
Deputy Head of School – Computing & Mathematics

Stephen Biggs
Head of National Cyber Security Academy
‘Mind the Gap…!"

SME Support Programmes
What are USW doing to address this?

A significant amount:

• Treforest Campus:
  • Contemporary portfolio of modules
  • Staff working directly with industry
  • Studies across spectrum punctuated with industry led talks
  • CTF
  • Industry approved qualifications
  • Eclectic blend of placements for students
What are USW doing to address this?

A significant amount:

- City Campus, Newport:
  - National Cyber Security Academy
    - BSc Applied Cyber Security degree
  - Ethos of NCSA
  - Industry-led steering group
  - Live Projects
Pilot Year and First Year Intake

• **Pilot:**
  - Eleven students, going into 3\textsuperscript{rd} year
  - Sandwich year approach
  - Good skills base

• **First Year:**
  - Variety of backgrounds
  - Front loading of teaching in first term to develop skills base
  - Project-based learning in second term
Outcomes & Development

• By final year, students will have worked with a variety of companies
• ‘Try before you buy’
• Links with SMEs
• Huge growth:
  • Pilot – 11 students
  • Current intake – 18 students
  • Applicants as at 08 Jan 18 – 60 applications
• PROJECTS
Entrepreneurial Opportunities

- Business landscape is changing
- Pilot Students have already identified a number of opportunities
- Skills gap - NCSA Associates
What can you do?

Engage with USW

• We can help one another
Questions?
What would it look like?
(BSc Applied Cyber Security) Route

• Modules:
  • Year 1:
    • Essentials of Professional Skills in Cyber Security & Governance
    • Cyber Security Tools & Practices
    • Secure Server Configuration & Networks
What would it look like?  
(BSc Applied Cyber Security) Route

- **Modules:**
  - **Year 2:**
    - Digital Crime Scene Management
    - Secure Systems
    - Strategic Corporate Governance, Compliance & Cyber Risks
What would it look like?
(BSc Applied Cyber Security) Route

• Modules:
  • Year 3:
    • Advanced Digital Forensic Techniques
    • Advanced Systems Security
    • Incident Management: Assessment & Response
    • Final Individual Project