Developing and supporting the curriculum

Mapping Building Design Practices to Computer Program Design

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	Your higher education institution:
1	Heriot-Watt University
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2	Name author(s), and contact details: Dr. Kamaran Fathulla - MACS Dubai Campus
~	Dr. Kamaran Fathulia - MACS Dubai Campus
3	How does your project contribute to a research-informed and professionally relevant
	curriculum?
	Curriculari :
	It feeds from research carried out by Microsoft and others into the subject of code navigation.
	Various academic research papers have been published to show the relevance of a very limited
	spatial property to code navigation. Our project looks at a much wider range of real world spatial
	navigation skills. This was done in the context of navigating a building which offered a much richer
	ontological vocabulary for the concept of navigation in software.
4	How does your project support on interpolical and multi-dissiplinary surriculum?
4	How does your project support an international and multi-disciplinary curriculum?
	The project forms a close link with Built Environment faculty. Furthermore, working with students
	from various nationalities here in Dubai gives the findings of the report a multicultural dimension
	which will enrich future curriculum development efforts.
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5	How does your project support student-centred approaches that promote student
	engagement and leadership?
	Students from Dubai Campus were invited to gather real world spatially oriented navigational
	properties and attributes. Their findings will feed directly into further stages of the project. Students'
	real wold experiences can now be used to influence how certain aspects of computer science
	courses could be improved.
6	How does your project help to reshape the learning environment? Please refer (where
	relevant to):
	Technological mediation
	It is possible to embed the findings of the represion programming related equipped to help students
	It is possible to embed the findings of the repro in programming-related courses to help students not only navigate large segments of code but also be able to make sense of such code
	conceptually. This will help design, maintenance and re engineering of programming projects.
	projects.
	The distribution of learning across global locations
	This project was a collaboration between colleagues at HWU campuses in Dubai and Edinburgh.

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