
Learning & Teaching

Built Environment
Scholarship of
Learning & Teaching



Educating the
sustainable infrastructure
professional – gaps,
challenges, and
opportunities

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About the Project

Infrastructure brings together a multitude of stakeholders involving various sectors, aspects, disciplines, and levels involving planning, designing, assessing, constructing, operating, retrofitting and decommissioning. However, the key to achieving sustainable infrastructure lies with having adequately trained professionals. How well the training institutions produce sustainable infrastructure professionals to achieve sustainable infrastructure outcomes?

Aims

To find out what training is available on sustainable infrastructure to facilitate the skills required to enter as a professional into the industry, basic curriculum to develop core competencies and requisites related to the desired knowledge base that will produce better trained and capable sustainable infrastructure professionals.

Outcomes

Existing tertiary training courses seemed to be inadequate to provide the necessary integrated and cross-disciplinary competencies required to develop competent sustainable infrastructure professionals. Ongoing assessment of the professionals is required to determine the adequacy of their competence and also to propose essential improvements to course curricula and other mechanisms. While the tertiary institutions have integrated sustainability education into most design related disciplines, extension of classroom sustainability training to the workplace is hardly visible. Ironically, the employers do not ask design professionals to demonstrate that they have necessary sustainability related competencies at the recruitment stage. The scope of sustainability outcomes envisaged by the industry is limited to tender obligations including the achievement of a particular star rating.

Further Information:

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