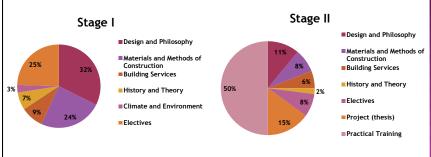


### CORE PRINCIPLES

- Awareness of responsibilities towards human, social, cultural, urban architectural and environmental values as well as architectural heritage.
- Adequate knowledge of the means of achieving ecological, sustainable design and environmental conservation and rehabilitation.
- Development of a creative competence in building techniques founded on a comprehensive understanding of the disciplines and construction methods related to architecture

- Adequate knowledge of project financing, project management, cost control and methods of project delivery.
- Training in research techniques as an inherent part of architectural learning for both students and teachers

## EXISTING STRUCTURE AND OPPORTUNITIES



#### Stage I - Opportunities

Climate and Environment, Building Services Freedom to institutes to allot 25% study time to subjects of their choice

#### Stage II - Opportunities

Electives such as Sustainable Architecture, Energy Conscious Architecture, Environmental Studies and Intelligent Buildings Research Skills and Dissertation

### **ECO 3 SURVEY FINDINGS**

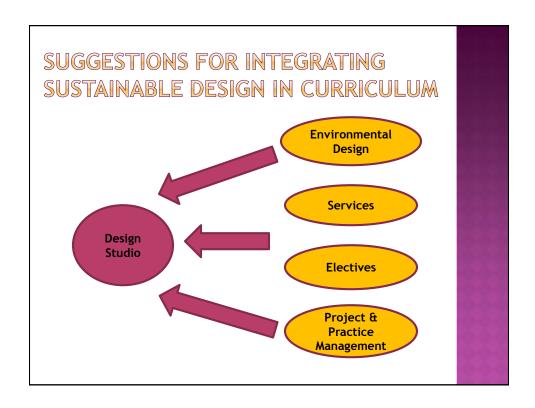
- Course content does not include in depth knowledge about fundamental of building physics and diagnostics, rendering inadequate knowledge to use building simulation tools
- Research in the field of building physics, building energy efficiency and management is limited
- Infrastructure to support research activities is also limited
- Awareness of building codes and energy codes is high but knowledge is limited

### SUGGESTIONS FOR INTEGRATING SUSTAINABLE DESIGN IN CURRICULUM

- Understanding fundamental principles of building physics and diagnostics, further learning the tools for gauging building performance and further incorporating them in projects during the design studio is a long process
- Hence use the flexible 25% to start introduction of these principles right at the Stage I of the course which enriches existing subjects of Climatology and Building Services.

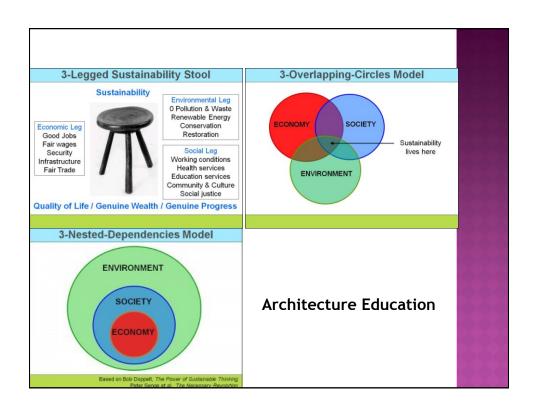
### SUGGESTIONS FOR INTEGRATING SUSTAINABLE DESIGN IN CURRICULUM

 Technical course content development for electives such as Sustainable Architecture, Energy Conscious Architecture, Environmental Studies and Intelligent Buildings



# SUGGESTIONS FOR INTEGRATING SUSTAINABLE DESIGN IN CURRICULUM

- Encourage post graduate courses in the field of sustainable habitat design
- Encourage multi disciplinary post graduate diplomas for integrated approach to building design
- Encourage research activities



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THANKYOU