

GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for B.Arch.

FIFTH SEMESTER (W.E.F. JULY 2014)

SUBJECT NAME: Sustainable architecture

SUBJECT CODE: 1055005

Focus: Sustainability & Energy efficiency techniques for buildings in various climates.

Content:

- Introduction to various rating systems for energy efficiency.
- Introduction to various energy stimulation software.
- Site planning aspects in order to achieve sustainable design.
- Application of building materials for energy efficient and green design.
- Case studies & examples of various local, National & Global projects of sustainable Architecture.

Reference Books:

SR.NO.	TITLE	AUTHOR
01.	Design With Climate	Victor Olgyay
02.	Green Architecture	J.Michael & J.Crosbie
03.	The new Eco architecture	Porteous Colin
04.	Energy performance of building	Biard G.