

## **Syllabus for Architecture PGQP21**

1. Mathematics (basic understanding as applicable for sustainable architecture)
2. General awareness about Ecology, Environment, Climate Change, Renewable energy
3. Vernacular, Traditional and Recycled Materials in context of Sustainable Architecture
4. Contemporary and famous examples of sustainable / energy efficient architecture / settlement planning across the world.
5. Climatology and Climate Responsive Architecture – Vernacular, Traditional and Modern
6. Building Services and Utilities – Electrical, HVAC, Sanitary and Plumbing, Solid and Liquid Waste Management, (with special reference to energy efficiency, recycling and re-use)
7. Water Conservation, harvesting and recharge – Traditional and Modern Methods.
8. Overview of Green Buildings rating systems.