

University of Mumbai  
Syllabus for PET in Architecture 2020  
Syllabus for Core subjects for PET Architecture

**Architectural theories**

Current knowledge of architecture and architectural writings  
Critical reviews of contemporary projects  
History of Architecture

**Knowledge and awareness about current practices in Architecture**

Understanding the effects of contemporary thought in society and culture today, and its impact on Architectural Design  
Contemporary Architecture  
Contemporary Indian Architecture  
Globalization and current trends in architectural practice

**Understanding Architecture with reference to social issues related to Urbanization**

Urbanization at global level and in India  
Globalization and its effects on urban life  
Understanding Built heritage, and social- cultural heritage  
Public spaces and public buildings with reference to accessibility, Gender, age

**Knowledge and awareness about sustainable development with reference to**

Transport and real Estate  
Public Housing  
Infrastructure development  
Public Health problems  
Socio- cultural Aspects  
Economics  
Integrated Approach

**Understanding Architecture with reference to built environment**

Built environment – Effect of Geographical and climatic conditions on Architecture  
Adaption techniques- Building construction and detailing  
Impacts of built environment on its surroundings  
User experiences- Environmental psychology  
Built heritage and cultural heritage

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Syllabus for RESEARCH Methods for Architectural research

**Basic concepts of research:** Meaning, need, features, ethics. Types of research pertaining to Architecture (Social/ Cultural research, historical research, Experimental simulation research...) .

**Research Design:** Understanding research paradigms, Identification of Research problem, Formulation of research question. Understanding various measures for analyzing quality, validity, objectivity, and reliability of research.

**Research Methodology:** Qualitative and quantitative research and its application in Architecture. Types of data, Data collection and processing techniques, Data analysis. (Measures of central tendency, Measures of Dispersion, Other measures ) and interpretation of findings. Sampling and Statistical inference, Testing of Hypothesis

**Reporting Research:** Introduction to technical writing, Abstract writing , Writing SOP, Synopsis writing, citation and referencing, writing research papers.