

49th ACADEMIC COUNCIL MEETING

FOR

B.Arch DEGREE PROGRAM

FOR THE STUDENTS ADMITTED FROM THE

ACADEMIC YEAR 2015-2016 ONWARDS



THIAGARAJAR COLLEGE OF ENGINEERING

(A Government Aided ISO 9001-2008 certified

Autonomous Institution affiliated to Anna University)

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PROGRAM OUTCOMES [Based on UIA (International Union of Architects)]

1. Graduates will be able to create architectural designs that satisfy both aesthetic and technical requirements
2. Graduates will be able to acquire adequate knowledge of the history and theories of architecture and the related arts, technologies and human anthropometry
3. Graduates will be able to utilize the knowledge of fine arts as an influence on the quality of architectural design
4. Graduates will be able to apply the knowledge of urban design, planning and the skills involved in the planning process
5. Graduates will be able to understand the relationship between people and buildings and between buildings and their environment and of the need to relate buildings and the spaces between them to human needs and scale.
6. Graduates will be able to understand the profession of architecture and the role of architect in a society, in particular in preparing briefs that take into account social factors
7. Graduates will be able to understand the methods of investigation and preparation of the brief for a design project
8. Graduates will be able to understand the structural design, constructional and engineering problems associated with building design
9. Graduates will be able to apply the knowledge of physical problems and technologies and of the functions of buildings so as to provide them with internal conditions of comfort and protection against the climate
10. Graduates will be able to demonstrate design skills necessary to meet the building users' requirements within the constraints imposed by cost factors and building regulations
11. Graduates will have adequate knowledge of the industries, organizations, regulations and procedures involved in translating the design concepts into buildings and integrating plans into overall planning
12. Graduates will have awareness of responsibilities toward human, social, cultural, urban, architectural and environmental values as well as architectural heritage
13. Graduates will have adequate knowledge of the means of achieving ecologically sustainable design and environmental conservation and rehabilitation
14. Graduates will be able to develop a creative competence in building techniques, founded on a comprehensive understanding of the disciplines and construction methods related to architecture.
15. Graduates will have adequate knowledge of project financing, project management and cost control.
16. Graduates will be trained in research techniques as an inherent part of architectural learning.