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| AR 161 Architectural Design - V& Field Study  | **L-T-P** **1-0-8** **4 credit**  |
| Objective : To expose the students to design a multifunctional building on an intermediate scale, with emphasis on the building bye-laws , cost effectiveness and innovative structural considerations  |
| Methods of space programming, analysis, evaluation of design criteria and fundamentals of composite site planning. Introduction to building services, utilities and building automation and facility planning. Exposure to techniques of post occupancy evaluation and measurement of users’ satisfaction. The design project should deal with complex circulation patterns, services and layouts. Emphasis on design of circulation pattern, application of cost effective techniques, innovative structural systems, building materials and system and application of urban design elements in campus design. Introduction can be made towards the development of the original research work, new or special types of Project. Suggested building types are housing complex, university campus, hospital, transport terminal, office cum commercial complex, hotels and resorts-involving various buildings within the same site. Field study tour to construction sites or similar projects. Group work or teamwork, as in the case of complex urban projects, should be experimented. Two major problems, two minor problems. Detail model of at least one project and block model of one project. Guest lectures by practicing architects.  |
| Expected Outcome : Developed understanding of designing a multifunctional building on an intermediate scale, with emphasis on the building bye-laws , cost effectiveness and innovative structural considerations  |
| Reference Books : 1. Space , Time & Architecture/Giedion 2. Elements of Architecture from Form to place/Von Meiss Pierre 3. Free Spirit in Architecture/Papadakis 4. Introduction to Architecture/Snyder, James 5. Colour for Architecture/Porter, Tom 6. Time Savers Standards A handbook of Architectural Design /Callender, J Hancock 7. Time Savers Standards For Building Type/ De Chiara  |