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| AR 223 Building Automation and Management System  | **L-T-P** **3-0-0** **3 credit**  |
| Concept and application of Building Automation and Management system. Design issues related to building automation and its effect on functional efficiency Components of building automation system; HVAC, electrical, lighting, modern security system, alarm-system, fire-protection, inter-communication, monitoring devices, mechanical means of vertical and horizontal transportation etc. Integrated approach in design, maintenance and management system. Current trend and innovation in building automation systems. Impact of information Technology; Concept of artificial intelligence; Knowledge base and decision support systems. Application of expert system in building automation. Stages in development of expert system. Expert system application in architecture. Computerising building management information. System for hi-tech buildings.  |