

DESIGN OF LIBRARY FROM STEELWORK

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ABSTRACT

Purpose of this course is to let students to apply their knowledge of design, analysis research whether it's applicable during construction. Knowledge that can be learned from this project is the information about double storey structural design of building. This project report will elaborate method of design using steel in roof truss, columns and beams, while slabs, staircase, pad footings and ground beams are designed using reinforced concrete. This design is based on BS6399: Part 1-1996 (Loading for Buildings), BS8110: Part 1-1997 (Reinforced Concrete), BS5950: Part 1- 1990 (Structural use of Steelwork in Building) and its Steel section table.