



**DEPARTMENT OF BUILDING SURVEYING  
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING  
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**A STUDY ON THE PERFORMANCE OF COMPOSITE SLAB USING  
METAL DECK FROM MAINTENANCE ASPECT**

**This academic project is submitted in partial fulfillment of the  
requirement for the Bachelor Of Building Surveying (Hons.)**

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## **ABSTRACT**

Composite construction in the modern times combines the high strength performance of structural steel with the stiffness and compressive strength inherent in concrete. Each of the two materials can be used to its best advantage and, therefore, composite structures have proved economical in terms of overall cost. They have become increasingly popular due to the economy and speed in construction. With the development of automated fabrication yards, the process of composite construction has been simplified enabling good quality control of products. Composite concrete slab on metal decking system are more better compare other floor system. This system has more advantages to make the fast track on the construction project. It is commonly employed in most of the buildings due to their efficient load carrying capacity and diaphragm action in the high-rise frames. This was necessary industrial development together with monitoring of works and maintenance. Hence, the building design must consider to the maintenance aspects. As such, maintenance works for composite floor also necessary to prolong the performances of the composite slab.

## **TABLE OF CONTENTS**

<i>Abstract</i>	<i>i</i>
<i>Acknowledgement</i>	<i>iii</i>
<i>Table of Contents</i>	<i>iv</i>
<i>List of Figure</i>	<i>viii</i>
<i>List of Table</i>	<i>xi</i>
<i>List of Chart</i>	<i>xiv</i>
<b>Chapter 1: Introduction</b>	
1.1 Introduction	1
1.2 Problem Statement	2
1.3 Definition of Study	3
1.3.1 Composite slab system	3
1.3.2 Maintenance	3
1.3.3 Summary of Research Title	4
1.4 Objectives of Study	5
1.5 Scope of Study	5
1.6 Chapter Organization	6
1.7 Summary	9

**Chapter 2: Composite Floor System**

2.1	Building Construction Industry Overview	10
2.2	Composite Material	13
2.3	Various Types of Floor System	15
2.3.1	One way Beam Spanning	17
2.3.2	Two way Beam System	18
2.3.3	Three-way Beam System	19
2.3.4	Composite Steel- Concrete Floor System	20
2.4	Composite Slab	
2.4.1	Definition of Composite Slab	23
2.4.2	Choice of Floor Structure	24
2.5	Composite Slab with Metal Decking System	26
2.6	Introduction Maintenance	34
2.7	Definition of Maintenance	35
2.8	Objective of Maintenance	37
2.9	Factors to Be Considered In Maintenance Work	39
2.10	Summary	40

**Chapter 3: Properties and Techniques of Construction for Composite Slab**

3.1	Introduction	42
3.2	Properties of Composite Slab	44

*Table of Content:*

*A Study On The Performance Of Composite Slab Using Metal Deck from Maintenance Aspect*

3.2.1	Strength	44
3.2.2	Fire Resistance	47
3.2.3	Maintainability	49
3.2.4	Serviceability	50
3.2.5	Density	51
3.3	Techniques of Construction	
3.3.1	Storage on Site	51
3.3.2	Cutting of Metal Decking	55
3.3.3	Holes	56
3.3.4	Fixing the decking	56
3.3.5	Fastening onto Steel Beams	57
3.3.6	Fastening onto Brick or Masonry Support	59
3.3.7	Propping	59
3.3.8	Side Lap Joints	60
3.3.9	Preparation of Concreting Works	61
3.3.10	Placing Of Concrete Works	62
3.3.11	Curing Works	64
3.3.12	Ceiling and Services Installations	65
 <b>Chapter 4: Case Studies</b>		
4.1	Introduction	73
4.2	Research Methodology	73