



**DEPARTMENT OF BUILDING  
UNIVERSITI TEKNOLOGI MARA  
(PERAK)**

**PRACTICAL REPORT TITLE  
ELETRICAL MAINTANANCE AND INSTALLATION**

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## **ABSTRACT**

Now day electricity is widely use and very importance to all the whole world community. We still received and got to use electricity because the electricity equipment such as wire is still well maintained over time. Nevertheless, currently there is limited research conducted regarding the proper electrical maintenance. My aim is to provide a proper electrical maintenance and installation. This report will discuss about electrical maintenance and installation for the resort site areas at Semenyih Eco Venture Resort & Recreation. The objective of this report is to determine electrical wiring maintenance and installation requirements and to solve a problem related to electrical maintenance and installation. In addition, this report will be using observation and interview as method of data collection. This maintenance work can give compony a lot of benefit and can save a lot of expenses in the future. As a result, there are 4 steps should be followed while conducting the maintenance and installation project such inspection and observation. However, there are 2 problems during the electrical maintenance and installation occur. The problems occur is lack of manpower and insufficient electrical item. As a conclusion knowing the proper electrical maintenance is required specially to maintain their building in the future. A well -maintained electrical system and building structure can bring huge benefits to the company because they can continue to provide good service to customers.

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## CHAPTER 1.0

### INTRODUCTION

#### 1.1 Background of Study

Semenyih Eco Venture Resort & Recreation (SEVRR) was built in at the year of 2014. Since then, the resort was very famous with the activities that provided. But when the pandemic started, the company take chance to maintain and to repair all the resort area especially the electrical wiring maintenance and installation.

Electrical maintenance is the identification of faults, routine service, and repair of a machine's electrical components. An electrical repair technician engineer oversees planning maintenance to ensure that a company's manufacturing lines work smoothly.

Proper installation and maintenance are critical in both business and residential settings. A broken wiring that is not addressed quickly might lead to a bigger risk, such as fire and electrocution. It is critical to use a competent or certified electrician for optimal installation and maintenance.

The definition of electrical installation work is an electrical installation includes all permanent electrical equipment supplied by the electricity metre. There are enough earthing procedures in place to guarantee that a fuse or circuit breaker can swiftly clear an electrical fault before it creates an electric shock or a fire.

The benefits of electrical installation and maintenance is done to:

- I. Lower costs.
- II. Improve safety.
- III. Prevent damage before it occurs.
- IV. Better equipment performance.
- V. Fewer unplanned outages.

As an internship student, I have been offered to take part in the electrical maintenance. Therefore, our aim is to install electrical appliances and equipment in a proper ways.