HEAVEN'S LIGHT IS OUR GUIDE

# Rajshahi University of Engineering and Technology



COURSE TITLE: Software Engineering & Information System Design Sessional

COURSE NO: ECE  3118

Lab report Submission

Submission date: 20.10.2024

SUBMITTED TO:                                                    SUBMITTED BY:

OISHI JYOTI                                                      PUJA ROY DIPA

ASSISTANT PROFESSOR                                             2010040

DEPARTMENT OF ECE,

RUET.

**Experiment No.:**  01

**Experiment Name:**  Basic documentation using markdown language.

**Theory:**

Markdown is a lightweight markup language designed for formatting plain text. It allows users to write using an easy-to-read and easy-to-write plain text format, which can be converted into HTML and other formats. Markdown is widely used for its simplicity and efficiency in creating formatted documents without the need for complex HTML syntax.

Key Features of Markdown

1. **Simple Syntax:** Markdown uses plain text characters (like asterisks, hashes, and dashes) for formatting, making it easy to write and read.

2. **Readable Source:** The Markdown source is typically more readable than HTML, which can make collaboration easier.

3. **Extensibility:** Various Markdown flavors (like GitHub Flavored Markdown) allow for additional features, such as tables, checkboxes, and syntax highlighting for code.

Use Cases for Markdown

1. **Documentation:** Markdown is widely used for writing documentation, especially in software development projects. Tools like GitHub and GitLab use Markdown for README files, wikis, and issue tracking.

2. **Blogging:** Many blogging platforms (like Jekyll, Hugo, and Ghost) support Markdown, allowing writers to easily format their posts.

3. **Note-taking:** Applications like Obsidian, Notion, and Evernote support Markdown for organizing notes with formatting.

4. **Content Management Systems (CMS):** Many CMS platforms (like WordPress and Drupal) allow users to write and edit content in Markdown.

5. **Technical Writing:** Technical writers use Markdown to create user manuals, API documentation, and other technical content because it enables clean formatting and easy conversion to HTML or PDF.

6. **Presentations:** Some tools, like Reveal.js and Marp, allow users to create presentations using Markdown, making it easy to format slides without complex software.

## Welcome to Sotware Engineering Lab

### It's the 2nd highest heading

###### Its the last size heading

Use of some common tags of markdown are as follows:

- `hash tags` are used to indicate `header`.
- `single asterick` is used to indicate _italic_.
- `double asterick` is used to indicate **bold**.
- `double tilt` is used to `strick through` a text. (~~no cap~~)
- `arithmatic signs(+ or - or *)` can be used to indicate bullet or make lists.
- `three underscore` or `three asterick` or `three highfen` can be used to create `horizontal lines`.

**We can learn more about markdown from** Google

[freeCodeCamp] (https://www.google.com/)

Here is a logo of Codepen software which will come very handy if you want to practice markup and markdown.

We can create a table using bar and highfen. For example:

| Programming | Scripting | Markup | Markdown |
| ----------- | --------- | ------ | -------- |
| C, C++      | JS        | HTML   | .md      |

- We can used three single qoutation to create a code block. For example:

```html
<!DOCTYPE html>
<html lang="en">
  <head> </head>
  <body>
    <button></button>
    <script></script>
  </body>
</html>
```

**References:**

https://www.markdownguide.org/basic-syntax/

https://webcatalog.io/en/apps/codepen/