Rajshahi University of Engineering & Technology

Course No.

ECE 3118

Course Title

Software Engineering & Information System Design Sessional

Lab Report-01

RUET

Submitted To	Submitted By
Oishi Jyoti Assistant Professor, Department of ECE, RUET	Tanha Farzana Roll:2010022 3rd year, Odd Semester

1.1 Experiment No.: 01

1.2 Name of the Experiment: Basic documentation using mark down language.

1.3 Objectives:

1. To know about mark down language.
2. To learn basic documentation using mark down language.

1.4 Theory:

Markdown is an easy-to-use markup language that is used with plain text to add formatting elements (headings, bulleted lists, URLs) to plain text without the use of a formal text editor or the use of HTML tags. Markdown is device agnostic and displays the writing format consistently across device types.[1] Markdown is a text-to-HTML conversion tool for web writers. Markdown allows you to write using an easy-to-read, easy-to-write plain text format, then convert it to structurally valid XHTML (or HTML).[2]

1.5 Input (Source Code):

```
# **INTRODUCTION TO SOFTWARE ENGINEERING**

### *__SOFTWARE ENGINEERING__*:

**Software Engineering** is an engineering branch
related to the evolution of software product using
well-defined scientific principles, techniques, and
procedures. The result of software engineering is
an effective and reliable software product.

__Boehm__ defines software engineering which involves,
>the practical application of scientific knowledge to the creative design
and building of computer programs. It also includes associated
documentation needed fordeveloping, operating, and maintaining them.

### *__WHY DO WE NEED SOFTWARE ENGINEERING?__*
- To manage Large software
- For more Scalability
- Cost Management
- To manage the dynamic nature of software
- For better quality Management
```

```
### *__CHARACTERISTICS OF A GOOD SOFTWARE__*:
A software product can be judged by what it offers and how well
it can be used.
>A software must satisfy on the following ground:
1. Operational
2. Transitional
3. Maintenance
```

1.6 Output:

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1.7 Discussion & Conclusion:

Markdown is an excellent choice for creating documentation due to its simplicity, portability, and versatility. Whether you're a software developer, technical writer, or simply looking to create documentation for personal use, Markdown is a powerful tool that can help you create professional-looking documentation quickly and easily.

Reference:

[1]   "How do I use Markdown? - IBM Documentation."
        https://www.ibm.com/docs/en/SSYKAV?topic=train-how-do-use-markdown (accessed
        September 14, 2024).

[2]   "The Ins and Outs of Using Markdown for Technical Writing."
        https://document360.com/blog/markdown-for-technical-writing/ (accessed September 14,
        2024).