SEE-MATH : A Math Visualization Website

A THIRD YEAR PROJECT REPORT

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE DEGREE OF B.Sc. IN COMPUTATIONAL MATHEMATICS

BY

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CERTIFICATION

This project entitled "SEE-Math : A Math Visualization Website" is carried out under my supervision for the specified entire period satisfactorily, and is hereby certified as a work done by following students

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APPROVED BY:

I hereby declare that the candidate qualifies to submit this report of the Computer Project (Comp-311) to the Department of Mathematics.

—————————————

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Date:November 20, 2022

ACKNOWLEDGMENTS

Example of acknowledgments

This research was carried out under the supervision of 'name with title of the supervisor'. I would like to express my sincere gratitude towards my supervisor for his/her excellent supervision, guidance and suggestion for accomplishing this work. And to the entire faculty of "name the Department that administered your entire work" for encouraging, supporting and providing this opportunity.

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I would also like to thank "funding agency" for the research funding.

Lastly, we would like to thank everyone who helped us directly and indirectly during the duration of completing our project work.

ABSTRACT

Concise abstract of the dissertation – should not exceed 500 words

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LIST OF SYMBOLS

Your parameters here.

CHAPTER 1

Introduction

1.1 Background

1.2 Objectives

1.

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1.3 Motivation And Sigificance

In this section, the author(s) shall discuss the relevance and the underlying problems that may rise to the need to do this project/work.

Table 1.1: Name and Notation.

Category	Intuitive meaning	Typical element
Nml	numerals	N
UnOps	unary operators	α
BinOps	binary operators	ω
Ide	identifiers	I
Exp	expressions	E
Cmd	commands	C

CHAPTER 2

Related Works

CHAPTER 3

Design And Implementation

CHAPTER 4

System Requirement Specification

4.1 Software Specification

4.1.1 Front-End Tools

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4.1.3 Utility Tools

4.2 Hardware Specification

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REFERENCES

[1] R. Doe, *Miktex url*, `http://www.miktex.org`, June 2009.

[2] K. C. Gokul, D. B. Gurung, and P. R. Adhikary, *Fem approach for one dimensional temperature distribution in the human eye*, Proceedings of National Conference on Mathematics (Kathmandu) (P. R. Adhikary, K. Jha, and C. Bhatta, eds.), Nepal Mathematical Society, 2012, pp. 35–46.

[3] D. B. Gurung, *Mathematical study of abnormal thermoregulation in human dermal parts*, PhD Dissertation, Kathmandu University, 2008, pp. 1–188.

[4] H. Kopka and P. W. Daly, *A guide to latex*, Addison-Wesley, Reading, MA, 1999.

[5] B. Roy, S. K. Roy, and D. B. Gurung, *Holling-Tanner model with Beddington-DeAngelis functional response and time delay introducing harvesting*, Mathematics and Computers in Simulation **142** (2017), 1–14.