

Societal Project Report

“Lake Awareness And Conservation Initiative”

*A Societal project report submitted in partial fulfilment of the requirement for the award of
degree*

MASTER OF COMPUTER APPLICATIONS

by

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1BY23MC019

Under the Guidance of

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Department of MCA

BMSIT&M

Bengaluru-560064



Department of Master of Computer Applications

BMS Institute of Technology and Management

(An Autonomous Institution, Affiliated to VTU, Belagavi)

Bengaluru – 560064

MARCH 2025

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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MARCH 2025

Department of MCA

(Accredited by NBA, New Delhi)



CERTIFICATE

This is to certify that **Ms. Bhavana K** bearing USN **1BY22MC019** has successfully completed the VTU prescribed **Societal Project (22MCA309)** titled **Lake Awareness And Conservation Initiative** at **Avalahalli** under the supervision of **Dr. Shivakumara T, Assistant Professor, Department of MCA** during the period from **DECEMBER 2024 to MARCH 2025**.

Signature of the Guide

Dr. Shivakumara T

Assistant Professor

Department of MCA

BMSIT&M

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Signature of HoD

Dr. M. Sridevi

Assistant Professor & Head

Department of MCA

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Project Completion Letter

Acknowledgement

Acknowledge the following

Management

Principal

Head of the Department

Both Guides (Internal and external)

Coordinator

Technical and non-technical staff

Parents, Friends if any...

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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VISION

To emerge as a leading department in computer applications, producing skilled professionals equipped to deliver sustainable solutions.

MISSION

Facilitate effective learning environment through quality education, industry interaction with orientation towards research, critical thinking and entrepreneurial skills.

Programme Educational Objectives (PEOs)

Graduates will be able to:

PEO 1: Develop innovative IT applications to meet industrial and societal needs.

PEO 2: Adapt themselves to evolving domain requirements.

PEO 3: Exhibit leadership skills and progress in their chosen career path.



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Programme Outcomes (POs)

PO1 (Foundation Knowledge): Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.

PO2 (Problem Analysis): Identify, review, formulate and analyse problems for primarily focussing on customer requirements using critical thinking frameworks.

PO3 (Development of Solutions): Design, develop and investigate problems with as an innovative approach for solutions incorporating ESG/SDG goals.

PO4 (Modern Tool Usage): Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.

PO5 (Individual and Teamwork): Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.

PO6 (Project Management and Finance): Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.

PO7 (Ethics): Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware

PO8 (Life-long learning): Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.



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Course Outcomes (COs)

CO1: Explore potential problem areas where physical, technical and intellectual collaboration is required

CO2: Perform field level studies to understand the depth of the problem

CO3: Plan and execute effective social/environmental initiatives

CO4: Visualize and present the outcomes to draw necessary attention

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