

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On
“ELECTRICITY BILL MANAGEMENT SYSTEM”**

**A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning**

Submitted by

SHASHIDHAR G HOSAMANI

4AL21AI044

PRAMOD S L

4AL22AI402

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

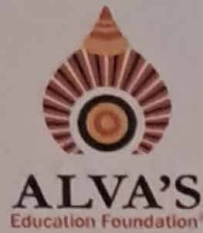
Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

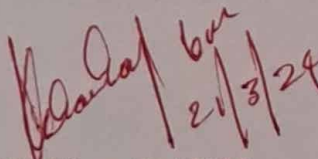
CERTIFICATE

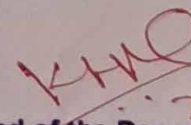
This is to certify that the Database Management System Laboratory with Mini Project entitled "**ELECTRICITY BILL MANAGEMENT SYSTEM**" has been successfully completed by

SHASHIDHAR G HOSAMANI
PRAMOD S L

4AL21AI044
4AL22AI402

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

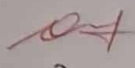

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidire 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh . S
2. Shivaprasad T.K


28/3/25
Shivaprasad

ABSTRACT

The Electricity Bill and Management System (EBMS) project aims to revolutionize the air travel industry by providing a comprehensive solution for efficient booking processes and streamlined management operations. In today's fast-paced world, where convenience and reliability are paramount, EBMS offers an integrated platform that caters to the needs of airlines, passengers, and administrators alike.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report On
“HOTEL MANAGEMENT SYSTEM”**

**A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT
(21CSL55)
In
Artificial Intelligence & Machine Learning**

Submitted by

**POOJA H
PRIYANKA N
SHETTY CHINTAN ASHOK**

**4AL21AI030
4AL21AI034
4AL21AI045**

**Under the Guidance of
Mr. Kiran Raj K M
Assistant Professor**



**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,**

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

**Accredited by NACC with A+ Grade
Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka
2023 – 2024**

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled "**HOTEL MANAGEMENT SYSTEM**" has been successfully completed by

POOJA H
PRIYANKA N
SHETTY CHINTAN ASHOK

4AL21AI030
4AL21AI034
4AL21AI045

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

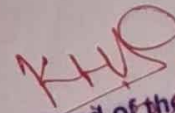

Mr. Kiran Raj K M
Mini Project Guide


External Viva

Name of the Examiners

1. Dr. Ramesh. Y
2. Shivaprasad T.K

Signature with Date


Prof. Harish
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidri 574 225, D.K. Karnataka, India


26/3/24
Shivaprasad T.K

ABSTRACT

This mini-project explores the design and development of a Hotel Management System (HMS) built using a Database Management System (DBMS). The project aims to streamline hotel operations by automating key functionalities, including: 1. Managing guest information and reservations 2. Tracking room availability and pricing 3. Facilitating check-in and check-out processes. The HMS leverages the capabilities of a DBMS to ensure data integrity, accessibility, and efficient management. The project focuses on designing a user-friendly interface for both hotel staff and guests, enabling them to interact with the system effectively. The development process emphasizes data security and access control measures to protect sensitive guest information. Ultimately, this project demonstrates the application of DBMS principles in creating a practical and efficient solution for hotel management.

The front-end of the HMS will be designed using a user-friendly framework, providing a visually appealing and intuitive interface for guest interaction (e.g., booking rooms) and staff operations (e.g., managing reservations). Popular options for the front-end include web development frameworks like HTML and CSS desktop application development frameworks like JavaScript. The backend of the system will handle core functionalities like data processing and communication with the database. This typically involves server-side scripting languages like Python along with frameworks like Django. The backend ensures secure data management and communication with the chosen front-end framework. As the foundation of the system, a robust DBMS will be used to store and manage hotel data. Popular options include PostgreSQL. The chosen DBMS will be configured to ensure data integrity, security, and efficient retrieval based on the specific needs of the hotel management system.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“HOSTEL MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

DILIP KUMAR K	4AL21AI011
ROHITH VILAS REDDY	4AL21AI037
Y JAYAPRAKASH YADAV	4AL21AI061

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



ALVA'S
Education Foundation®

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation ®, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING

DECLARATION

We,

DILIP KUMAR K
ROHITH VILLAS REDDY
Y JAYAPRAKASH YADAV

Hereby declare that the dissertation entitled, **HOSTEL MANAGEMENT SYSTEM** is completed and written by us under the supervision of my guide **Mr. Kiran Raj K M, Assistant Professor, Department of Artificial Intelligence and Machine Learning Alvas's Institute of Engineering and Technology, Moodbidri, DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2023-2024. The dissertation report is original and it has not been submitted for any other degree in any university.

DILIP KUMAR K	4AL21AI011
ROHITH VILLAS REDDY	4AL21AI037
Y JAYAPRAKASH YADAV	4AL21AI061

ABSTRACT

The purpose of the project entitled as "Hostel Management System" is software developed for managing various activities in the hostel. For the past few years, the number of educational institutions is increasing rapidly. Thereby the number of hostels is also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly and more GUI oriented. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“FIRE SAFETY SERVICES MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning

Submitted by

ABHISHEK M GUNAGI	4AL21AI003
PUNITH KUMAR P V	4AL21AI035
YASHWANTH R	4AL21AI062

Under the Guidance of
Mr. Kiran Raj K M
Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,
(Unit of Alva's Education Foundation ®, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



ALVA'S
Education Foundation

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

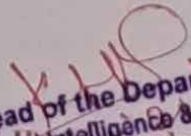
This is to certify that the Database Management System Laboratory with Mini Project entitled **"FIRE SAFETY SERVICES MANAGEMENT SYSTEM"** has been successfully completed by

ABHISHEK M GUNAGI
PUNITH KUMAR P V
YASHWANTH R

4AL21AI003
4AL21AI035
4AL21AI062

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr Kiran Raj K M
Mini Project Guide


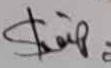

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidre - 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh. G
2. Shivaprasad T-K

 28/3/24
 26/3/24

ABSTRACT

The Fire Safety Services Management System (FSSMS) project aims to modernize fire safety service operations, adopting a customer-centric approach inspired by Customer Relationship Management (CRM) systems. In today's safety-conscious landscape, FSSMS strives to provide a comprehensive solution tailored to the nuanced needs of fire safety service providers. By enhancing customer engagement and optimizing operational workflows, FSSMS seeks to bolster efficiency and effectiveness in safeguarding lives and property. This initiative reflects a commitment to leveraging technology to address the evolving demands of the fire safety industry, ensuring seamless interaction between service providers and clients while prioritizing safety and security.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“HOSPITAL DATABASE MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

SUMANTH N

4AL21AIO51

AJAY K A

4AL22A1400

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation @, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOOBBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

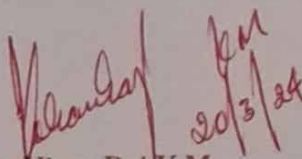
CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled "**HOSPITAL DATABASE MANAGEMENT SYSTEM**" has been successfully completed by

SUMANTH N
AJAY K A

4AL21AI051
4AL22AI400

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

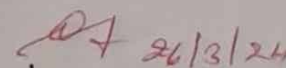
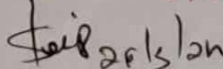

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidre 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh S
2. Shivaprasad T.K


26/3/24

26/3/24

ABSTRACT

The rapid escalation in medical cases demands an innovative and efficient solution to manage healthcare processes seamlessly. This project introduces a comprehensive Hospital Management System (HMS) designed to address the existing challenges in patient care and data management. The system encompasses features such as patient entry and registration, receptionist functions for doctor assignment, and a specialized module for medical practitioners. With a focus on centralized data management, real-time reporting, and adaptability to evolving healthcare standards, the HMS aims to streamline hospital operations and enhance the overall quality of patient care. The literature review explores the evolution of Hospital Management Systems, highlighting the significance and limitations of existing solutions. System analysis delves into requirement specification, use case diagrams, and system architecture, providing a robust foundation for the subsequent implementation phase. The system design phase covers database design, user interface design, and overall system architecture, ensuring a structured and efficient framework.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On
“INSURANCE DATABASE MANAGEMENT SYSTEM”**

**A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning**

Submitted by

SUHAS S

4AL21AI050

TARUN M

4AL21AI054

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

2023 – 2024

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On
“INSURANCE DATABASE MANAGEMENT SYSTEM”**

**A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning**

Submitted by

SUHAS S

4AL21AI050

TARUN M

4AL21AI054

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"INSURANCE DATABASE MANAGEMENT SYSTEM"** has been successfully completed by

SUHAS S
TARUN M

4AL21AI050
4AL21AI054

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

Kiran Raj K M
25/3/24
Mr. Kiran Raj K M
Mini Project Guide

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavan, Campus, M. J. R.
Moodbidri, D.K. -574225, Karnataka, India
Prof. Harish Kunder
HOD, Dept of AIML

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh. K
2. Shivaprasad T.K

Dr. Ramesh K
25/3/24
Shivaprasad T.K
25/3/24

ABSTRACT

The Insurance Management System (IMS) project aims a comprehensive software platform designed to automate and optimize various aspects of insurance operations, including policy administration, claims processing, underwriting, and customer relationship management. By centralizing data, processes, and workflows, these systems enable insurers to manage policies more effectively, process claims faster, and deliver personalized services to policyholders. Key features of insurance management systems often include robust data analytics capabilities, artificial intelligence-driven automation, seamless integration with third-party systems, and intuitive user interfaces. This abstract outline the key features and benefits of our IMS, focusing on its capacity to revolutionize insurance operations and elevate the customer experience.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On
“RTO MANAGEMENT SYSTEM”**

**A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning**

Submitted by

D CHANDA LAGUBIGI	4AL21AI006
SRIDHAR V	4AL21AI048
SYED TASLEEM AHMED	4AL21AI053

**Under the Guidance of
Mr. Kiran Raj K M
Assistant Professor**



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY MIJAR,
MOOBBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

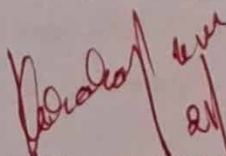
CERTIFICATE

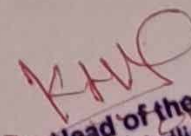
This is to certify that the Database Management System Laboratory with Mini Project entitled "**RTO MANAGEMENT SYSTEM**" has been successfully completed by

D CHANDAN LAGUBIGI
SRIDHAR V
SYED TASLEEM AHMED

4AL21AI006
4AL21AI048
4AL21AI053

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

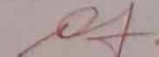
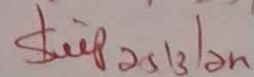

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidire - 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Dr. Ramesh .k
2. Shivaprasad T.K

Signature with Date

 25/3/24
 25/3/24

ABSTRACT

The RTO (Regional Transport Office) Management System is a comprehensive software solution designed to streamline and automate various processes involved in managing vehicle registrations, licenses, permits, and related administrative tasks within a regional transport authority. This abstract provides an overview of the key features and functionalities of the RTO Management System.

The system facilitates efficient registration of vehicles by enabling online application submissions, document verification, fee payments, and issuance of registration certificates. It automates the process of generating unique vehicle identification numbers (VINs) and maintaining a centralized database of registered vehicles, ensuring data accuracy and integrity.

Moreover, the RTO Management System simplifies the issuance and renewal of driver licenses by enabling online application submissions, scheduling of tests, and tracking of applicant progress. It includes features for conducting theoretical and practical examinations, evaluating performance, and issuing licenses based on predefined criteria.

Additionally, the system supports the management of permits for commercial vehicles, including applications, approvals, renewals, and monitoring of compliance with regulatory requirements. It provides functionalities for route planning, allocation of permits, and enforcement of regulations to ensure safe and efficient transportation operations.

Furthermore, the RTO Management System offers comprehensive reporting and analytics capabilities, allowing authorities to generate various reports, monitor key performance indicators, and make data-driven decisions to improve operational efficiency and regulatory compliance.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“VETERINARY MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

PRATHIKSHA E

4AL21AI032

VIDYALAXMI NAVALUR

4AL22AI401

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation ®, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

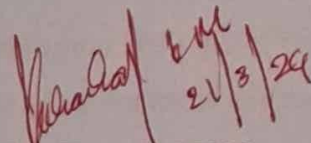
CERTIFICATE

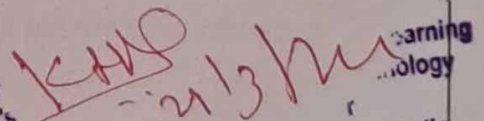
This is to certify that the Database Management System Laboratory with Mini Project entitled **"VETERINARY DATABASE MANAGEMENT SYSTEM"** has been successfully completed by

PRATHIKSHA E
VIDYAT AXMI NAVAT IIR

4AL21AI032
4AT22AT40T

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

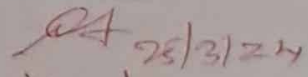
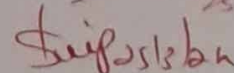

Dept. c
Alva's
Prof. Harish Kunder
Moodbidri
Karnataka, India

External Viva

Name of the Examiners

1. Dr. Ramesh h. d
2. Shivaprasad T. K

Signature with Date


28/3/24


ABSTRACT

The development of an efficient animal health, food safety, and traceability management system in the animal food production chain hinges on implementing an integrated Veterinary Management System (VMS). This system must effectively capture, store, analyze, and retrieve data while fostering the accumulation of knowledge for competent interpretation. By gathering data in a structured format from various establishments along the farm-to-food production chain, such as farms, slaughterhouses, laboratories, and traders, the VMS enables robust analyses, reporting, and improvement of existing programs and strategies. Crucially, the role of information systems in animal disease diagnosis, surveillance, and notification, as well as in controlling national and international trade, underscores the importance of a well-designed VMS. This includes an animal disease notification system compliant with international standards, facilitating information exchange. Meanwhile, a veterinary clinic management system streamlines client, employee, and consultation administration, alongside service and product management, all aimed at enhancing operational efficiency and animal care.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“REAL ESTATE MANAGEMENT”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

MAHESH P K

4AL21AI021

SHARATH R

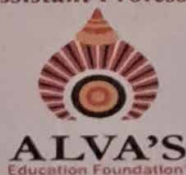
4AL21AI040

UDAY KIRAN J

4AL21AI056

**Under the Guidance of
Mr. Kiran Raj K M**

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri) Affiliated to Visvesvaraya

Technological University, Belagavi,

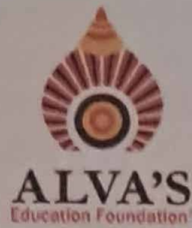
Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"REAL ESTATE MANAGEMNET"** has been successfully completed by

MAHESH P K
SHARATH R
UDAY KIRAN J

4AL21AI021
4AL21AI040
4AL21AI056

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

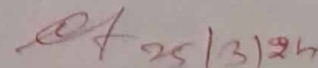
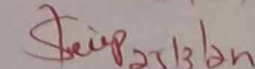

Head of the Department
Dept. of Artificial Intelligence and Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidre - 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Dr. Ramesh. K
2. Shivaprasad T.K

Signature with Date


25/3/24

25/3/24

ABSTRACT

The PHP and MySQL-powered multi-language real estate management system introduces a cutting-edge approach to property management. It caters to a global audience, supporting multiple languages for seamless communication between agents and clients. By streamlining property processes and operations, it enhances efficiency and reduces costs. Automation features, such as property listing, billing, and transaction management, standardize procedures and optimize resource allocation. The system prioritizes user experience by offering intuitive interfaces tailored for clients. With advanced database capabilities, it accurately reflects property portfolios, enabling the generation of insightful reports on key metrics like property type, location, and financial performance.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“SPORTS CLUB MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

GLEVIN EVON ROCHE

4AL21AI014

SRUJAN E S

4AL21AI049

**Under the Guidance of
Mr. Kiran Raj K M**

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri) Affiliated to Visvesvaraya

Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled "**SPORTS CLUB MANAGEMENT SYSTEM**" has been successfully completed by

GLEVIN EVON ROCHE
SRUJAN E S

4AL21AI014
4AL21AI049

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

[Signature] ^{bku}
21/3/24
Mr. Kiran Raj K M
Mini Project Guide

[Signature]
21/3/24
Prof. Harish Kunder
HOD, Dept of AIML

External Viva

Name of the Examiners

1. Dr. Ramesh. Y
2. Shivaprasad T-K

Signature with Date

[Signature] 25/3/24
[Signature] 25/3/24

ABSTRACT

The Sports Club Database Management System (SCDBMS) is a cutting-edge solution designed to modernize sports club management. This system centralizes information, streamlining user registration, sports selection, tournament participation, and event management. It enhances the overall user experience by providing a secure, accessible, and efficient platform for sports club members. Key features include a secure user authentication system, comprehensive sports information, and streamlined tournament management. The SCDBMS aims to improve decision-making, increase user engagement, and foster community building within the sports club environment. It represents a significant advancement from traditional management methods, offering a digital solution to address the challenges faced by sports clubs in the modern era.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI - 590018



Mini Project Report

On

“FILM EQUIPMENT BANK”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

ABHINAV ASHOK

4AL21AI001

BHAVISH

4AL21AI005

VJ JISON

4AL21AI057

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

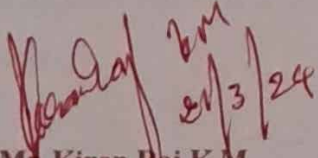
CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"FILM EQUIPMENT BANK"** has been successfully completed by

ABHINAV ASHOK
BHAVISH
VJ JISON

4AL21AI001
4AL21AI005
4AL21AI057

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

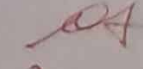
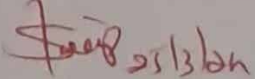

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavara Campus, Mijar
Moodubidri 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Dr. Ramesh K
2. Shivaprasad T.K

Signature with Date

 25/3/24
 25/3/24

ABSTRACT

The Film Equipment Bank is a comprehensive solution designed to streamline and enhance the management of film equipment for production houses, rental agencies, and independent filmmakers. This project aims to address the challenges faced by the film industry in efficiently tracking, managing, and renting equipment crucial for the filmmaking process. The system offers a user-friendly interface that allows users to easily navigate through the database, search for specific equipment, and manage inventory effectively.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“PHARMACY MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

MAHAMMAD SAHIL

4AL21AI020

DARSHAN

4AL21AI007

SHASHANK A PALAN

4AL21AI041

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled "**PHARMACY MANAGEMENT SYSTEM**" has been successfully completed by

MAHAMMAD SAHIL
DARSHAN
SHASHANK A PALAN

4AL21AI020
4AL21AI007
4AL21AI041

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

Kiran Raj K M
26/3/24
Mr. Kiran Raj K M
Mini Project Guide

HOD
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavan, Campus, Mijar
Prof. H. S. Kumar
574 225, D.K. Karnataka, India
HOD of AIML
Moodubidre

External Viva

Name of the Examiners

1. Dr. Ramakrishna S
2. Shivaprasad T. K

Signature with Date

[Signature] 25/3/24
[Signature] 25/3/24

ABSTRACT

Multi-language pharmacy management system is developed by the PHP and MySQL platform. Pharmacy processes and operations is the new way of managing the drug store. It was done to assist the pharmacy, products, categories and orders in multiple languages. The language would be interchangeably used by the pharmacists from all over. Pharmacy management systems is created to streamline to the information flow in the pharmacy business overall. They could help standardize operational procedures and cut back on expenditures by automating functions like picking orders, billing and paying. The primary objective of this software is to give a range of interfaces to be used by the customer, who is the ultimate user of this software. With computer software, you may develop a perfect database system that reflects your business and generate reports depending on the product, expiry, and other variables.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On
“RAILWAY MANAGEMENT SYSTEM”**

A report submitted in partial fulfillment of the requirements for

**DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning**

Submitted by

**DURGESH SHETTY
PRAJWAL RAO**

**4AL21AI012
4AL21AI031**

**Under the Guidance of
Mr. Kiran Raj K M
Assistant Professor**



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled "**RAILWAY DATABASE MANAGEMENT SYSTEM**" has been successfully completed by

DURGESH SHETTY
PRAJWAL RAO

4AL21AI012
4AL21AI031

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

Kiran Raj K M
12/3/24
Mr. Kiran Raj K M
Mini Project Guide

Harish Kunder
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidre 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Dr. Ramesh - 4
2. Shivagavard T-K

Signature with Date

25/3/24
25/3/24

ABSTRACT

The Railway Booking and Management System (RBMS) project aims to revolutionize the air travel industry by providing a comprehensive solution for efficient booking processes and streamlined management operations. In today's fast-paced world, where convenience and reliability are paramount, RBMS offers an integrated platform that caters to the needs of railways, passengers, and administrators alike.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“DAIRY PRODUCT MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

LOHITH S GOWDA

4AL21AI019

RAKSHITHA

4AL21AI036

SHIVARAJ B PATIL

4AL21AI046

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"DAIRY PRODUCT MANAGEMENT SYSTEM"** has been successfully completed by

LOHITH S GOWDA
RAKSHITHA
SHIVARAJ B PATIL

4AL21AI019
4AL21AI036
4AL21AI046

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISHVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

[Signature]
20/3/24

Mr. Kiran Raj K M
Mini Project Guide

[Signature] 20/03/2024
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Prof. Shekhar Campus, Mijar
Moodubidri, 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Shrinivas T K
2. Alameen S P

Signature with Date

[Signature] 22/3/24
[Signature] 22/3/24

ABSTRACT

The Dairy Product Management System (DPMS) is a crucial tool in the dairy industry, focusing on efficiently managing dairy products while meeting the needs and preferences of consumers. This system integrates technology with dairy production, distribution, and retail processes to ensure optimal product quality, availability, and consumer satisfaction. DPMS utilizes data analytics, inventory management, and supply chain optimization to streamline operations, reduce waste, and enhance profitability. Key features include real-time monitoring of dairy product demand, forecasting consumer trends, and adapting production accordingly. Consumer feedback mechanisms are integrated to gather insights and tailor offerings to evolving preferences, fostering brand loyalty and market competitiveness. By leveraging DPMS, dairy producers can adapt swiftly to market dynamics, maintain high standards of product quality, and deliver superior consumer experiences, ultimately driving growth and sustainability in the dairy industry.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“BLOOD BANK AND DONAR MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

K R VIVEK

4AL21AI017

SUSHILA K NAVI

4AL21AI052

SHALINI B HEGGERE

4AL21AI063

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation @, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOOBBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"BLOOD BANK AND DONAR MANAGEMENT SYSTEM"** has been successfully completed by

K R VIVEK
SUSHILA K NAVI
SHALINI B HEGGERE

4AL21AI017
4AL21AI052
4AL21AI063

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

Kiran Raj K M
21/3/24
Mr. Kiran Raj K M
Mini Project Guide

KR 21/03/24
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavara Campus, Mijar
Moodubidre 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh. G
2. Shivaprasad T.K

21/3/24
21/3/24

ABSTRACT

In the blood bank system, both administrators and users are required to log in before accessing any functionalities. Individuals willing to donate or receive blood must register by providing their personal details, which will then be recorded by the admin or user. These details encompass a range of information including full name, contact information, gender, age, blood type, address, and any relevant messages or notes. The system facilitates the management of these records, allowing administrators and users to view both current and historical donation and reception data, as well as the current stock of blood in the blood bank.

To ensure the confidentiality and security of users' information, the system employs database encryption techniques. Encryption serves as a protective measure against potential threats posed by malicious individuals or unforeseen hazards to data security. By encrypting the database, sensitive information such as personal details and donation records is transformed into an unreadable format, accessible only through authorized means. This safeguarding mechanism ensures that users' data remains secure and confidential, minimizing the risk of unauthorized access or data breaches. Overall, the integration of database encryption enhances the robustness of the blood bank system, safeguarding the integrity and privacy of users' information.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“MARRIAGE EVENT MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

NITHEESH

4AL21AI026

SHRISHANTH S SHETTY

4AL21AI047

VISHAL DSOUZA

4AL21AI060

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation @, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

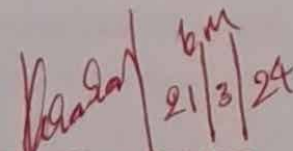
CERTIFICATE

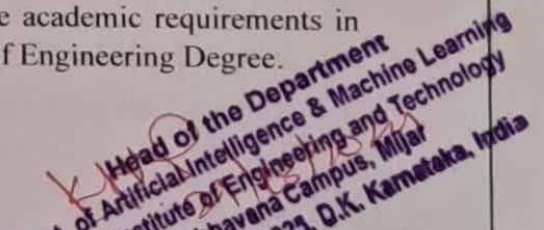
This is to certify that the Database Management System Laboratory with Mini Project entitled "**MARRIAGE EVENT MANAGEMENT SYSTEM**" has been successfully completed by

NITHEESH
SHRISHANTH S SHETTY
VISHAL DSOUZA

4AL21AI026
4AL21AI047
4AL21AI060

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

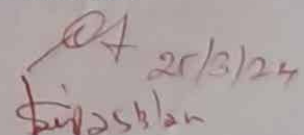

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidri - 574 223, D.K. Karnataka, India
HOD, Dept. AIML

External Viva

Name of the Examiners

1. Dr. Ramesh. G
2. Shivaprasad. J.K

Signature with Date


20/3/24
Dr. Ramesh. G

ABSTRACT

Preparing for weddings is always tedious, especially when it does not involve hired help. Long checklists await soon-to-be brides and grooms before their auspicious wedding ceremony. Without experienced assistance, these brides and grooms face frustrating situations in hunting for suitable bridal products and services. This work presents an ideal one stop solution, called the "Wedding organizer", for the brides and grooms to retrieve information on available bridal products and services in the shortest possible time. This web-based wedding planning system provides a platform for brides and grooms to acquire information on bridal products and services, as well as information of vendors registered with wedding organizer. The couple has the ability to filter favorite wedding vendors by shortlisting them and then contact them for best quotes. The system provides the checklist feature with detailed task of what the couple has to do to prepare for the special day. Also, has the ability to add own items or remove existing ones, add notes, see what percentage have finished, and keep track of what still needs to be done. The system assists brides and grooms in making decisions based on their preferences and budget function can manage the cost of individual expenditure items and all the amounts are immediately added once the couple finalize the vendor. Wedding planners are given the responsibility of guiding couples with ideas for their wedding. One of the issues that the wedding planner needs to consider and develop is the order of events on the wedding day. This project describes in detail the model of the events used on a wedding day. Scheduling theory and project management techniques suitable for providing an order of events on a wedding day are then discussed in the context of this project. One of these techniques is then implemented and evaluated using real life data

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“STUDENT MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Submitted by

GANESHRAJ S

4AL21AI013

GURURAGAVENDRA PALURI

4AL21AI015

SATHVIK S

4AL21AI039

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation @, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Unit of Alva's Education Foundation @ Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 - 2024



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"STUDENT MANAGEMENT SYSTEM"** has been successfully completed by

GANESHRAJ S

4AL21AI013

GURURAGAVENDRA PALURI

4AL21AI015

SATHVIK S

4AL21AI039

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

[Signature]
22/3/24
Mr. Kiran Raj K M
Mini Project Guide

[Signature]
20/3/24
Prof. Harish K
HOD, Department
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobavana Campus, Mijar
Moodubidri 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Dr. Ramesh . S
2. Shivaprasad T.K

Signature with Date

[Signature] 25/3/24
[Signature] 25/3/24

ABSTRACT

Student Management System is software which is helpful for students as well as the school authorities. In the current system all the activities are done manually. Its time saving and scalable. Our Student Management System deals with the various activities related to the students. In the software we can register as a user and user has two types student and administrator. Administrator has the power to add new user and can edit the students details entered. A admin can add students record, attendance status with department wise. All students can search his/her basics details and attendance status with there respective roll numbers.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“TOURISM PROMOTION MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

BHARAT KUMAR KS

4AL21AI004

HEMAN KRISHNA S

4AL21AI016

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri) Affiliated to Visvesvaraya

Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY MIJAR,
MOODBIDRI, D.K. -574225



ALVA'S
Education Foundation

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

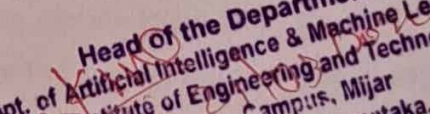
This is to certify that the Database Management System Laboratory with Mini Project entitled
"TORISUM PROMOTION MANAGEMENT SYSTEM" has been successfully completed
by

BHARAT KUMAR KS
HEMAN KRISHNA S

4AL21AI004
4AL21AI016

The Bonafede students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

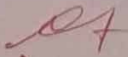
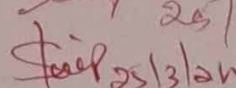

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhanur Campus, Mijar
HOD, Dept. of AI & ML
Moodbidri - 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh
2. Shivagrasod T.K

 25/3/24
 25/3/24

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY MIJAR,
MOODBIDRI, D.K. -574225



ALVA'S
Education Foundation®

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled
“**TORISUM PROMOTION MANAGEMENT SYSTEM**” has been successfully completed
by

BHARAT KUMAR KS

4AL21AI004

HEMAN KRISHNA S

4AL21AI016

The Bonafede students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

[Signature]
Mr. Kiran Raj K M

Mini Project Guide

[Signature]
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhanur Campus, Mijar
HOD, Dept. of AML
Moodbidri - 574225, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Dr. Ramesh
2. Shivagrasat T.K

[Signature] 25/3/24
[Signature] 25/3/24

ABSTRACT

The Tourism Management System (TMS) project endeavors to revolutionize tourism service operations, drawing inspiration from Customer Relationship Management (CRM) systems to adopt a customer-centric approach. In today's dynamic tourism landscape, TMS aims to offer a comprehensive solution tailored to the diverse needs of tourism service providers. By enhancing customer engagement and streamlining operational workflows, TMS aims to enhance efficiency and effectiveness in promoting travel experiences. This initiative underscores a dedication to harnessing technology to address the evolving demands of the tourism industry, ensuring seamless interaction between service providers and travelers while prioritizing satisfaction and enjoyment.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“FARM MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

DEEPIKA S U

4AL21AI009

NIKHITHA H R

4AL21AI025

VARSHINI M N

4AL21AI059

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



ALVA'S
Education Foundation®

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

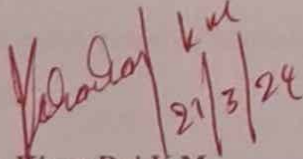
CERTIFICATE

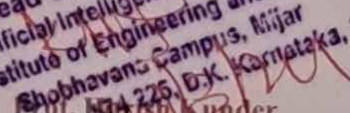
This is to certify that the Database Management System Laboratory with Mini Project entitled **"FARM MANAGEMENT SYSTEM"** has been successfully completed by

DEEPIKA S U
NIKHITHA H R
VARSHINI M N

4AL21AI009
4AL21AI025
4AL21AI059

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

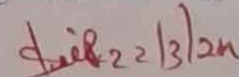


Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shophavang Campus, Mijar
Moodubidri - 574 225, D.K. Karnataka, India
HOD, Dept of AIML

External Viva

Name of the Examiners

1. Shivaprasad T.K
2. Alavenn S.O

Signature with Date



22/3/24

ABSTRACT

The Farmer-Consumer Management System is a software platform designed to bridge the gap between farmers and consumers by providing a direct and transparent connection between the two. The system is intended to help farmers increase their profits by connecting them directly with consumers and eliminating the need for intermediaries. This can be achieved by providing farmers with tools to manage their inventory and sales, and by giving consumers access to real-time information about the products available from local farmers. The system includes several key features, such as a web-based marketplace where farmers can list and sell their products, and a rating and review system for both farmers and consumers, which can help to build trust and establish a reputation within the community. The Farmer-Consumer Management System also includes a payment system that allows for secure transactions between farmers and consumers. Overall, the Farmer-Consumer Management System is designed to help farmers increase their profits and build a loyal customer base, while also providing consumers with access to fresh, locally-sourced products. It is a platform that can benefit both farmers and consumers alike, by creating a direct and transparent connection between the two.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“EVENT DATABASE MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

TELI ABHISHEK ASHOK

4AL21AI055

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Unit of Alva's Education Foundation @, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

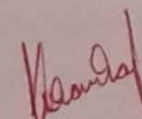
CERTIFICATE

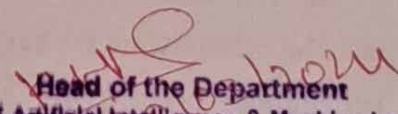
This is to certify that the Database Management System Laboratory with Mini Project entitled **"EVENT DATABASE MANAGEMENT SYSTEM"** has been successfully completed by

TELI ABHISHEK ASHOK

4AL21AI055

The Bonafede students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


12/3/24
Mr. Kiran Raj K M
Mini Project Guide

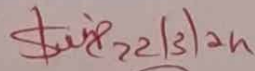
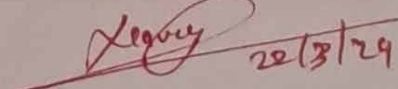

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobavana Campus, Mijar
Moodbidri - 574 223, D.K. Karnataka, India

External Viva

Name of the Examiners

Signature with Date

1. Shivaprasad T.K
2. Clarence S.P


22/3/24

22/3/24

ABSTRACT

The Event Booking and Management System (EBMS) project aims to revolutionize the event management industry by providing a comprehensive solution for efficient booking processes and streamlined management operations. In today's fast-paced world, where convenience and reliability are paramount, EBMS offers an integrated platform that caters to the needs of event organizers, attendees, and administrators alike.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“BANK MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

DHANUSH J S

4AL21AI010

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



ALVA'S
Education Foundation™

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

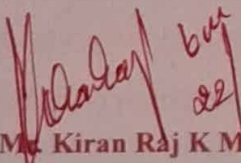
CERTIFICATE

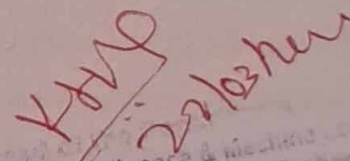
This is to certify that the Database Management System Laboratory with Mini Project entitled "**BANK MANAGEMENT SYSTEM**" has been successfully completed by

DHANUSH J S

4AL21AI010

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

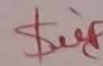

Prof. Harish Kunder
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Honnarayana Campus, Mijar
Moodubidri - 574 225, D.K. Karnataka, India

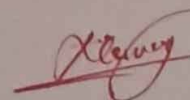
External Viva

Name of the Examiners

1. Shivaprasad T.K
2. Alaveey S-P

Signature with Date

 22/3/24

 22/3/24

ABSTRACT

The Bank Management System (BMS) is a software solution designed to automate and streamline the operations of banking institutions. The system provides functionalities for managing customer accounts, processing transactions, handling loans, and generating reports. BMS aims to improve operational efficiency, enhance customer service, and ensure regulatory compliance. It offers a user-friendly interface for bank employees to perform their tasks efficiently and effectively. The system also includes security features to protect sensitive customer information and prevent unauthorized access. Overall, BMS is a comprehensive solution that helps banks manage their operations more effectively in today's competitive banking environment.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“CAR RENTAL MANAGEMENT SYSTEM”

A report submitted in partial fulfilment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

PAVAN PANI

4AL21AI029

SANEEESHA PRASHANT KADAM

4AL21AI038

VANDITHA T C

4AL21AI058

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya

Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



ALVA'S
Education Foundation®

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

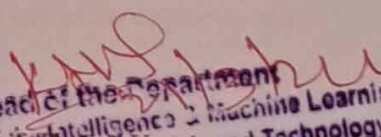
This is to certify that the Database Management System Laboratory with Mini Project entitled "**CAR RENTAL MANAGEMENT SYSTEM**" has been successfully completed by

PAVAN PANI
SANEESHA PRASHANT KADAM
VANDITHA T C

4AL21AI029
4AL21AI038
4AL21AI058

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

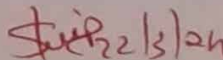

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shubhavan, Campus, Mijar
Moodubidre 574 225, D.K. Karnataka, India

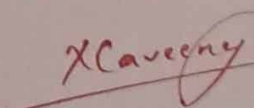
External Viva

Name of the Examiners

1. Shivaprasad T.K
2. XCaueen S.P

Signature with Date


22/3/24


22/3/24

ABSTRACT

In this mini project, we developed a web-based car rental management system to revolutionize the rental experience for both companies and customers. This CRMS utilizes a robust database to manage every facet of the rental process, from comprehensive customer profiles and detailed vehicle information to efficient reservation management and streamlined rental processing. The system empowers customers with a user-friendly platform for online booking and account management, fostering increased convenience and satisfaction. Moreover, the CRMS equips car rental companies with real-time data and insightful reports, enabling them to optimize fleet management, make data-driven decisions, and gain a competitive edge in the market.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“IPL DATABASE MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

ABHISHEK	4AL21AI002
MAHIM THARESH	4AL21AI022
SHASHANK B	4AL21AI042

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation @, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"IPL DATABASE MANAGEMENT SYSTEM"** has been successfully completed by

ABHISHEK
MAHIM THARESH
SHASHANK B

4AL21AI002
4AL21AI022
4AL21AI042

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

[Signature]
21/3/24
Mr. Kiran Raj K M
Mini Project Guide

[Signature]
21/3/24
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Prof. Harish
HOD, Dept. of AIML
Moodubidri 574 225, D.K. Karnataka, India

External Viva

Name of the Examiners

1. Shiva Prasad T.K
2. Naveen S.P

Signature with Date

[Signature] 22/3/24
[Signature] 22/3/24

ABSTRACT

The IPL Database management system is a comprehensive cricket application encompassing scheduling, team information, player records, and more. Admin privileges include adding/removing players, schedules, and stadiums, as well as updating team and player ratings. Users can create accounts, search players, access match details, rankings, cricket boards, and stadiums. The system facilitates searching for players in specific matches and retrieving match schedules with venue and team squad information. It caters to both admin and user needs, providing a seamless experience for managing and accessing cricket.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On**

“PERSONAL CLOSET MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

KISHAN KARYAPPA K

4AL21AI018

NITHIN M

4AL21AI028

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. - 574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **"PERSONAL CLOSET MANAGEMENT SYSTEM"** has been successfully completed by

KISHAN KARYAPPA K
NITHIN M

4AL21AI018
4AL21AI028

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

Kiran Raj K M
14/3/24
Mr. Kiran Raj K M

Mini Project Guide

Harish Kunder
20/3/24
Prof. Harish Kunder

External Viva

Name of the Examiners

1. Shivaprasad T-K
2. Alaveen S.P

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Belagavi Campus, Mijar
Moodubidri - 574 225, D.K. Karnataka, India
Signature with Date

Shivaprasad T-K
22/3/24
Alaveen S.P
22/3/24

ABSTRACT

A digitalized clothing platform with four basic services—mix and match, laundry, pack and ship, and sell/exchange/donate—is introduced by the Personal Closet Management System (PCMS). With the help of a clever algorithm, users can easily add products like shirts, t-shirts, and slacks to their wardrobe inventory, creating outfit combinations that are appropriate for different seasons and events. By allowing customers to mark articles for cleaning either after wear or through external laundry requests, the laundry service simplifies the upkeep of clothing. The ability to pack and ship additionally provides convenience by making it easier to move clothing to preferred locations for travel or migration. The sell, exchange, and donate option also encourages community involvement and sustainability by giving people the ability to manage unwanted clothing items in an ethical manner. Motivated by successful management systems in several fields, PCMS aims to improve user experience, operational effectiveness, and social responsibility in the wardrobe management space. PCMS aims to revolutionize personalized wardrobe management in the digital age by promoting sustainable fashion practices and capturing, analyzing, and retrieving structured data.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“AIRLINE DATABASE MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

MANOHARA M	4AL21AI023
MOHAMMAD ZAAFIR	4AL21AI024
NITHIN	4AL21AI027

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI D.K. -574225



**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE
LEARNING**

DECLARATION

We,

MANOHARA M
MOHAMMAD ZAAFIR
NITHIN

Hereby declare that the dissertation entitled, **AIRLINE DATABASE MANAGEMENT SYSTEM** is completed and written by us under the supervision of my guide **Mr. Kiran Raj K M, Assistant Professor, Department of Artificial Intelligence and Machine Learning Alvas's Institute of Engineering and Technology, Moodbidri, DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2023-2024. The dissertation report is original and it has not been submitted for any other degree in any university.

MANOHARA M	4AL21A1023
MOHAMMAD ZAAFIR	4AL21A1024
NITHIN	4AL21A1027

ABSTRACT

The Airline Booking and Management System (ABMS) project aims to revolutionize the air travel industry by providing a comprehensive solution for efficient booking processes and streamlined management operations. In today's fast-paced world, where convenience and reliability are paramount, ABMS offers an integrated platform that caters to the needs of airlines, passengers, and administrators alike.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



Mini Project Report

On

“CYBER CAFE MANAGEMENT SYSTEM”

A report submitted in partial fulfillment of the requirements for

DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)

In

Artificial Intelligence & Machine Learning

Submitted by

DEEKSHITHA	4AL21AI008
PRIYANKA M G	4AL21AI033
SHASHANKA C	4AL21AI043

Under the Guidance of

Mr. Kiran Raj K M

Assistant Professor



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

**(Unit of Alva's Education Foundation @, Moodbidri) Affiliated to Visvesvaraya
Technological University, Belagavi,**

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOODBIDRI, D.K. -574225



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

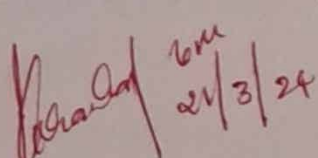
CERTIFICATE

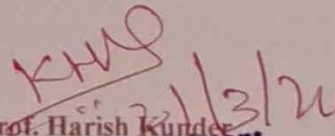
This is to certify that the Database Management System Laboratory with Mini Project entitled **"CYBER CAFE MANAGEMENT SYSTEM"** has been successfully completed by

DEEKSHITHA
PRIYANKA M G
SHASHANKA C

4AL21AI008
4AL21AI033
4AL21AI043

The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran Raj K M
Mini Project Guide

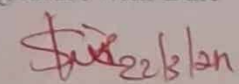
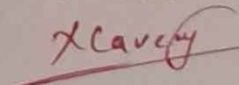

Prof. Harish Kunder
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidire 574 225, D.K. Karnataka, India

Name of the Examiners

External Viva

Signature with Date

1. Shivaprasad T.K
2. Neaveen S.P



22/3/24

ABSTRACT

A cyber cafe management system is a software application that is designed to assist the operators of internet cafes in managing their businesses. It provides features such as time tracking, billing, and reporting, as well as security and monitoring tools to help prevent misuse of the internet cafe and resources. This system can help internet cafe operators to keep track of their customers, monitor the computers and internet usage, manage their inventory, and generate reports to help with decision making. Additionally, it can also provide a secure environment for customers to use the internet and access their personal accounts. Overall, a cyber café management system can help internetcafe operators to run their businesses more efficiently and effectively.