



Department : Computer Science and Information		
Academic Year: 2021-22		
Sr. No.	Programme Code	Name of the Programme
01.	MCA 401	Major Project

Following students have carried out their Project work/ Internship/
Field Project/Industrial Training for the academic session 2021-22

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2	Poonam Ogre	5-7
3	Schin Dubey	8-10
4	Thanendra Kashyap	11-13
5	Raghvendra	14-16
6	Bhupendra Sahu	17-19
7	Rajkumar Patel	20-22
8	Om Prakash Patel	23-25

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

9	Narendra Tiger	26-28
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Akash
HEAD
DEPT OF CSIT
G.G.V. BILASPUR (C.G.)

**DEPARTMENT OF COMPUTER SCIENCE &
INFORMATION TECHNOLOGY**

**GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR
(C.G.)**

Session: 2022-23



**A
PROJECT REPORT
ON**

E-LEARNING MANAGEMENT SYSTEM

BY

Praful Joshi

Enrollment No: - GGV/21/05036

M.C.A. 4th Semester (Computer Science)

The partial fulfillment of the requirement for the award of the degree

MASTER OF COMPUTER APPLICATION

P. Pujari

**UNDER THE GUIDANCE OF:
DR. PUSHPALATA PUJARI
(ASST. PROF. OF CSIT)**

**SUBMITTED TO:
PROF. A.K. SAXSENA
HOD (CSIT DEPT.)**

DECLARATION OF THE CANDIDATE

CERTIFICATE

This is to certify that the project title " E-LEARNNING MANAGEMENT SYSTEM " Carried out by PRAFUL JOSHI, (Enroll No: GGV/21/05036) under my guidance and supervision for award of the degree Masters of Computer Application of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India.

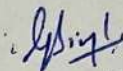
To the best of my knowledge and belief the project: -

Embodies the work of the candidate himself has duly been completed in specified time.

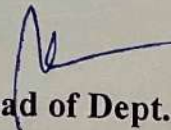
1. Fulfills the requirements of the ordinance relating to M.C.A. Degree of the University.
2. Is up to the standard in respect of content and language for being referred to the examiners.



Project Guide



Internal Examiner



Head of Dept.

- **Abstract**

Abstract of the Project E-learning Management System: The purpose of E-learning Management System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

It has various features like Smart notes, course, Test series, Video lectures, Live sessions, Blog Writing, Motivational videos that helps user to understand the concepts and for building the better knowledge base. It helps to clear doubts and develop interest in the respected field of learning.

E-learning Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G)



**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY**

SESSION: 2021-2023

(A Central University Established by the Central Universities Act, 2009 No.25
of 2009)

A PROJECT REPORT ON

“Laptop Price Prediction”

‘Submitted in partial fulfilment of the requirement for
the Award of the degree of MCA’

Master of Computer Application

SESSION: 2021-2023

SUBMITTED BY

POONAM OGRE

Roll No: 21072141

Enrollment No: GGV/18/5164

MCA 4th Semester

SUBMITTED TO

Prof. A.K. Saxena

(HOD of CSIT Dept)

GURU GHASIDAS CENTRAL

UNIVERSITY BILASPUR (C.G.)

UNDER THE GUIDANCE OF

Prashant Vaishnav

(Assistant Professor of CSIT Dept)

GURU GHASIDAS CENTRAL

UNIVERSITY BILASPUR (C.G.)



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G)

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

SESSION: 2021-2023

(A Central University Established by the Central Universities Act, 2009 No.25 of 2009)

CERTIFICATE OF THE GUIDE

This is to certify that the project entitled "**Laptop Price Predictor**" is a record of work carried out by **Poonam Ogre**, Enrollment No: **GGV/18/5164** & roll no.: **21072141** under my guidance and supervision for the award of the Degree of MCA at **GURU GHASIDAS CENTRAL UNIVERSITY BILASPUR (C.G.)**

To the best of my knowledge and belief the project

- ❖ Embodies the work of the candidate him/herself, and has not been submitted for the award of any degree.
- ❖ Has duly been completed.
- ❖ Full fills the requirement of the Ordinance relating to the MCA degree of the University
- ❖ Is up to the desired standard in respect of contents and is being referred to the examiners.

(Signature of Guide)

Prashant Vaishnav
Assistant Professor
Dept. of CSIT

(Signature of H.O.D)

Prof.A.K.SAXENA
H.O.D
Dept. of CSIT

ABSTRACT

The laptop has grown to be one of the most essential and used gadgets in our day-to-day existence for different activities. We will be supplied with many specs and company names in the market, it will become difficult for laptop computer makers to sell their merchandise and for customers to pick out one. Machine learning (ML) is high quality in assisting in making decisions and predictions from the large volume of facts produced. We have additionally viewed ML strategies being used in recent developments in the Internet of Things (IoT) areas. Various studies supply solely a glimpse into predicting the price of the laptop with ML techniques as in this project we suggest a novel technique that targets identification process through tremendous elements using making use of desktop getting to know fashions resulting in improving the accuracy in the prediction of laptop price. The prediction model is delivered with one-of-a-kind combos of features and several regarded computing device learning models. We are the use of a one-of-a-kind laptop to gain knowledge of fashions like Decision trees, Multiple linear regression, KNN, and Random forest to test which desktop mastering model is more accurate in predicting the rate of the laptop.

This project presents a Laptop price prediction system by using the supervised machine learning technique. We have used multiple linear regression as the machine learning prediction method which offered 88% prediction precision. Using multiple linear regression, there are multiple independent variables but one and only one dependent variable whose actual and predicted values are compared to find precision of results. This project proposes a system where price is

Department of Computer Science and Information Technology

GURU GHASIDAS VISHWAVIDYALAYA

(Bilaspur, Chhattisgarh, India)

SESSION 2021-23

A

Project Report

on

Online Blood Donor Management System



SACHIN DUBEY

(Enroll No: GGV/21/05047)

(Roll No: 21072153)

**The Partial Fulfilment of the Requirements for
the Award of the Degree**

MASTER OF COMPUTER APPLICATION

UNDER THE GUIDANCE OF

DR. SUSHMA JAISWAL

(Asst. Professor)

SUBMITTED TO

PROF. A.K. Saxena

HOD (CSIT)

DECLARATIVE CANDIDATE

ABSTRACT

The "**Blood Donor Management System Project Using CodeIgniter**" is a sophisticated and innovative web-based application designed to revolutionize the way blood donor records are maintained and managed. With a focus on optimizing blood donation processes, this system utilizes the robust capabilities of the CodeIgniter PHP framework in conjunction with a MySQL database, resulting in a comprehensive and efficient solution.


In the modern age of technology, managing critical healthcare data such as blood donor records demands a seamless and user-friendly platform. This project aims to bridge the gap between the increasing need for blood donors and the ease of accessing and maintaining their information. Leveraging the power of CodeIgniter, a widely-used PHP framework known for its speed and flexibility, ensures a reliable and scalable foundation for this system.

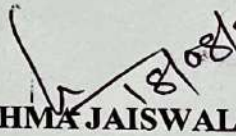
By employing a web-based architecture, the Blood Donor Management System enables healthcare organizations, blood banks, and medical professionals to effortlessly store, retrieve, and update donor records. The heart of the system lies in its ability to categorize and organize donors based on their blood groups, allowing for swift and accurate retrieval of donors with compatible blood types in times of emergencies.

The integration of MySQL as the underlying database technology ensures data integrity, security, and high performance. The system provides various features, including donor registration, donor profile management, blood group-based searches, and real-time availability of donor information. This functionality not only streamlines the blood donation process but also contributes to better healthcare decision-making by facilitating the availability of vital donor information.

CERTIFICATE OF THE GUIDE

This is to certify that project work entitled "**Online Blood Donor Management System**" is a record of work carried out by **SACHIN DUBEY (Enroll No: - GGV/21/05047)** under my guidance and supervision for the award of the Degree of **MCA(MASTER OF COMPUTER APPLICATION)**, GURU GHASIDAS VISHAVIDYALAYA (C.G)


HEAD OF THE DEPARTMENT
Prof. A.K. SAXENA
CSIT DEPARTMENT


DR. SHUSHMA JAISWAL
(Assistant Professor)

18/08/2023

**DEPARTMENT OF COMPUTER SCIENCE &
INFORMATION TECHNOLOGY**

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

Session: 2021-23



**A
PROJECT REPORT**

ON

TASK MANAGEMENT SYSTEM

BY

THANENDRA KASHYAP

Enrollment No: - GGV/21/05056

**The partial fulfillment of the requirement for the award of the degree
MASTER OF COMPUTER SCIENCE AND APPLICATION**

UNDER THE GUIDENCE OF:

DR. SHRABANTI MANDAL

(ASSOCIATE PROF. OF CSIT)

SUBMITTED TO:

PROF. A.K. SAXSENA

HOD (CSIT DEPT.)

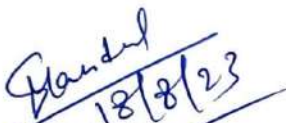
CERTIFICATE


This is to certify that **Thanendra Kashyap** (Enroll No. GGV/21/05056) completed the project "**Task Management System**" under the direction and supervision of **Dr. Shrabanti Mandal** for the award of the degree Master of Computer Application of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India.

To the best of my knowledge and belief the project: -

Embodies the works of the candidate himself has duly been completed in specified time.

1. Fulfills the requirements of the ordinance relating to MCA Degree of the University.
2. Is up to the standard in respect of content and language for being referred to the examiners.


Project Guide
(Signature)


Internal Examiner
(Signature)


Head of Department
(Signature)

ABSTRACT

The “**Task Management System**” encapsulates a dynamic and innovative approach to modern project management by leveraging cutting-edge web development technologies. This project addresses the imperative need for efficient task organization, collaboration, and monitoring within contemporary organizational workflows. The abstract delves into the project's core features, technological foundations, and overarching implications for enhancing operational efficiency.

At its core, the Task Management System is an integrated platform that orchestrates task management with precision and efficacy. By employing HTML, CSS, JavaScript, PHP, MySQL, and XAMPP, the system achieves a harmonious fusion of intuitive user interfaces, dynamic content generation, and robust database management. This technological synergy forms the backbone of a seamless and interactive user experience, fostering effective task tracking, assignment, and communication.

Central to the system's functionality is its user-centric design, allowing users to effortlessly create, assign, and monitor tasks. With real-time collaboration capabilities, team members can communicate, share updates, and collectively manage tasks, thus eliminating information silos and expediting decision-making processes.

One of the system's distinctive attributes is its adaptability to diverse devices, thanks to responsive design principles. Users can seamlessly access and engage with tasks on desktops, tablets, and smartphones, enhancing flexibility and productivity in dynamic work environments.

Security and data integrity are paramount considerations. The system ensures robust user authentication, authorization protocols, and encrypted data storage to safeguard sensitive information.

While challenges like cross-browser compatibility and error management are acknowledged, their mitigation underscores the project's commitment to delivering a seamless user experience.

In essence, The Task Management System represents a transformative shift in project management. Leveraging web development technologies, it empowers teams to collaborate, communicate, and execute tasks seamlessly. Amid complexity and dynamism, this project stands as a beacon of efficiency, promising heightened productivity and operational excellence.

GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR (CG)

(A Central University Established by the Central Universities Act, 2009 No.25 of 2009)

**DEPARTMENT OF COMPUTER SCIENCE
&
INFORMATION TECHNOLOGY**



Major Project Report

On

“MOVIX”

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF
MCA

**Master of Computer Application
(Session: 2022-23)**

**SUBMITTED BY:
RAGHVENDRA
ROLL NO: 21072148
ENROLL NO: GGV/21/05042
MCA IV SEMESTER**

**SUBMITTED TO:
Dr. GIRISH KUMAR SINGH**



CERTIFICATE OF THE GUIDE

This is to certify that the project entitled "MOVIX" is a record of work carried out by RAGHVENDRA under my guidance and supervision for the award of the Degree of MCA at Guru Ghasidas Central University Bilaspur (CG).

To the best of my knowledge and belief of the project

- i) Embodies the work of the candidate him/herself, and has not been submitted for the award of any degree.
- ii) Has duly been completed.
- iii) Fulfils the requirement of the Ordinance relating to the MCA degree of the University
- iv) Is up to the desired standard in respect of contents and is being referred to the examiners.

(Signature of the guide)

Recommendation of the Department

The Project work as mentioned above by here by being recommended and forwarded for examination and evaluationp.

(Signature of the Head of Department with seal)

Prof. Amit Kumar Saxena

(HOD of CSIT)

GURU GHASHIDAS CENTRAL UNIVERSITY BILASPUR (CG)

ABSTRACT

An abstract for a Movix is a cutting-edge movie website designed to revolutionize the way movie enthusiasts explore, engage, and enjoy their favorite films. By leveraging advanced technologies and user-centric features, Movix aims to provide a seamless and immersive entertainment experience for users of all ages and interests.

At the core of Movix is a comprehensive movie database, meticulously curated to encompass a vast collection of movies across diverse genres, languages, and eras. Users can easily search, browse, and discover movies based on their preferences, ranging from classic masterpieces to the latest blockbusters. With detailed film descriptions, cast and crew information, and user reviews, Movix empowers users to make informed decisions about their movie choices.

The user interface of Movix is sleek, intuitive, and optimized for both desktop and mobile devices, ensuring a seamless browsing experience on any platform. Users can personalize their profiles, create watchlists, and receive tailored recommendations based on their viewing history and preferences. Additionally, interactive features such as user-generated movie lists, ratings, and reviews foster a vibrant community where movie lovers can connect, share their opinions, and engage in discussions.



DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

गुरु घासीदास विश्वविद्यालय
GURU GHASIDAS VISHWAVIDYALA

(A central University established by the Central Universities Act, 2009, No. 25 of 2009)

PROJECT ON
“AN AI BASED CAR-COUNTER &
PARKING MANAGEMENT”

A real-time Video based project using Python

Submitted by: Bhupendra Sahu

Enroll. No: GGV/18/5109

Roll no: 21072113

M.C.A. 4th Semester (Computer Science)

Under the Guidance of:

Mr. Abhishek Patel

(Asst. Prof. C.S.I.T)

Submitted to:

Dr. A. K. Saxena

HoD (C.S.I.T)



DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

गुरु घासीदास विश्वविद्यालय
GURU GHASIDAS VISHWAVIDYALA

(A central University established by the Central Universities Act, 2009, No. 25 of 2009)

Certificate

This is to certify that Bhupendra Sahu has worked on post-graduate dissertation project entitled "An AI based Car-counter & Parking Management" for the partial fulfillment as part of M.C.A. honors Computer Science degree. I am forwarding this project to university for the award of M.C.A. Honors Computer Science, during the academic session 2021-23.

To the best of my knowledge and belief, the project: - Embodying the candidate's own work has been successfully finished within the allotted time.

1. Satisfies the criteria of the ordinance applicable to the University's M.C.A. degree.
2. Meets the requirements in terms of language and substance for referral to the examiners.

PROJECT EXAMINED & APPROVED

Examiner Name:

Guided by:

.....
18/08/23

MR. ABHISHEK PATEL

(Asst. Prof CSIT, GGV)

Submitted To:

.....

DR. A K SAXENA

(HoD CSIT, GGV)



DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

गुरु घासीदास विश्वविद्यालय
GURU GHASIDAS VISHWAVIDYALA

(A central University established by the Central Universities Act, 2009, No. 25 of 2009)

Abstract

An innovative real-time automobile counting and parking spot management system is shown in this project. The system successfully recognizes automobiles, buses, and trucks by utilizing Ultralytics' YOLO for accurate object identification, CVZone for effective processing of visual input, and a specified mask using a PNG image for region-based detection.

In order to construct a complete automobile parking management system, the project also uses the CV2, Pickle, and OpenCV libraries. The system delivers real-time monitoring, strong object detection, and effective parking space use thanks to the smooth integration of various technologies.

This study not only highlights cutting-edge computer vision capabilities, but also shows how they may be put to use in real-world situations to reduce parking congestion and improve traffic flow.

“VEHICLE PARKING MANAGEMENT SYSTEM”

A Project Report

Submitted in Partial Fulfillment of the Requirement for the
Award of the Degree of

MASTER OF COMPUTER APPLICATION

(Computer Science and Information Technology)



GURU GHASHIDAS UNIVERSITY

By

RAJ KUMAR PATEL (ROLL NO. 21072149)

Under the Guidance of


Dr. Rajwant Singh Rao

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY


**GURU GHASHIDAS UNIVERSITY BILASPUR
CHHATTISGARH**

CERTIFICATE

This is to certify that this project entitled "**Vehicle Parking Management System**" is a bonafide work carried out by **Mr.Raj Kumar Patel** in **Department Computer Science and Information Technology** and submitted to **Guru Ghasidas University Bilaspur** in partial fulfillment of the requirements for the award of Master of Computer Application (Computer Science And Information Technology).



Guidence by

Dr. Rajwant Singh Rao


H.O.D

Amit Saxena


External Examiner


Internal Examiner

INTRODUCTION

VEHICLE PARKING MANAGEMENT SYSTEM for managing the records of the incoming and outgoing vehicles in an parking house

It's an easy for Admin to retrieve the data if the vehicle has been visited through number he can get that data .

Now days in many public places such as malls, multiplex system, hospitals, offices, market areas there is a crucial problem of vehicle parking. The vehicle parking area has many lanes/slots for car parking. So to park a vehicle one has to look for all the lanes. Moreover this involves a lot of manual labour and investment. Instead of vehicle caught in towing the vehicle can park on safe and security with low cost.

Parking control system has been generated in such a way that it is filled with many secure devices such as, parking control gates, toll gates, time and attendance machine, car counting system etc. These features are hereby very necessary nowadays to secure your car and also to evaluate the fee structure for every vehicles entry and exit

The objective of this project is to build a **VEHICLE PARKING MANAGEMENT SYSTEM** that enables the time management and control of vehicles using number plate recognition. The system that will track the entry and exit of cars, maintain a listing of cars within the parking lot, and determine if the parking lot is full or not. It will determine the cost of per vehicle according to their time consumption.

“ONLINE FOOD ORDERING SYSTEM”

A Project Report
Submitted in Partial Fulfillment of the Requirement for the Award of
the Degree of

MASTER OF COMPUTER APPLICATION
(Computer Science and Information Technology)

To



GURU GHASHIDAS UNIVERSITY

By

OM PRAKASH PATEL (ROLL NO. 21072137)

Under the Guidance of

Dr. Girish Kumar Singh
Associate Proffesor

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
GURU GHASHIDAS UNIVERSITY BILASPUR
CHHATTISGARH

CERTIFICATE

This is to certify that this project entitled “**Online Food Ordering System**” is a bonafide work carried out by **Mr.Om prakash patel** in **Department Computer Science and Information Technology** and submitted to **Guru Ghasidas University Bilaspur** in partial fulfillment of the requirements for the award of **Master of Computer Application (Computer Science And Information Technology)**.



Guidence By

Dr. Girish Kumar Singh

Associate Proffesor



H.O.D

Amit Saxena



External Examiner

Internal Examiner

ABSTRACT

- Online food ordering system is a web site.
- This system will allow hotels and restaurant to increase scope of business.
- The also allows to quickly and easily manage on online menu which customers can browse and use to place orders.
- Restaurant employees then use these orders through an easy to navigate.

BUS BOOKING MANAGEMENT SYSTEM

A project Report submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

(A Central University Established by the Central Universities Act, 2009 No. 25 of 2009)

In partial fulfillment of the requirements for the award of

MASTER OF COMPUTER APPLICATIONS

(MCA)

By

NARENDRA TIGER

Roll No.: 21072136

Enrollment No.: GGV/21/05032

Under the Guidance of

DR. GIRISH KUMAR SINGH

(ASSOCIATE PROFESSOR)

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Session: 2022 - 2023



CERTIFICATE OF THE GUIDE

This is to certify that the project entitled “**Bus Booking Management System**” is a record of work carried out by **Narendra Tiger (Enrol No. - GGV/21/05035)**, under my guidance and supervision for the award of the Degree of **MASTER OF COMPUTER APPLICATION, Guru Ghasidas Central Vishwavidyalaya Bilaspur (C.G.)**.

To the best of my knowledge and belief the project

- i) Embodies the work of the candidate himself and has not been submitted for the award of any degree.
- ii) Has duly been completed.
- iii) Fulfils the requirement of the Ordinance relating to the MCA degree of the University and
- iv) Is up to the desired standard in respect of contents and is being referred to the examiners.

(Signature of the Guide)

DR. Girish Kumar Singh

(Asso. Prof. of CSIT Dept.)

Introduction

In today's fast-paced world, efficient transportation systems play a vital role in connecting people and places. The advent of technology has revolutionized the way we travel, making online booking systems an indispensable part of the transportation industry. The "Bus Booking Management System" is a comprehensive web-based application designed to streamline and simplify the process of reserving bus tickets for travelers.

Project Background

The idea behind the "Bus Booking Management System" stems from the growing need for a user-friendly and efficient platform that enables travelers to conveniently book bus tickets, select seats, and manage their travel plans. Traditional ticket booking methods often involve long queues, manual paperwork, and limited access to real-time information. Our project seeks to address these challenges by providing a modern solution that harnesses the power of web technologies.

Objectives

- The primary objectives of the "Bus Booking Management System" project are as follows:
- **User-Friendly Booking:** Develop an intuitive and user-friendly platform that allows travelers to search for available buses, view schedules, select seats, and book tickets seamlessly.
- **Real-Time Information:** Provide travelers with real-time information about bus availability, routes, departure times, and fares, enhancing their overall travel experience.

WORLD TECHNOLOGY NEWS PORTAL

A

Project Report

On

WORLD TECHNOLOGY NEWS PORTAL

Submitted In

Partial Fulfillment of the Requirements for the Award of Degree Of

Master of Computer Applications

IV Semester

Session:2022-23



Submitted by

RESHMI RAJPUT

Enrollment No. GGV/21/05045

Under the Guidance of: -

Mr. Rajwant Singh Rao

SUBMITTED TO: -

GURU GHASIDAS CENTRAL UNIVERSITY, BILASPUR (C.G)

CERTIFICATE OF APPROVAL

This is to certify that the project entitled "World Technology News Portal", carried out by "RESHMI RAJPUT" a student of 4th semester, M.C.A. GURU GHASIDAS VISHWAVIDYALAYA C.G. India, is here by approved after paper examination and evaluation as a creditable work for the partial fulfillment of the requirement for awarding the degree of master of computer applications (M.C.A) from GURU GHASIDAS VISHWAVIDYALAYA C.G. India.



(Internal examiner):-



(external examiner):-

ABSTRACT

The "world technology news portal" is a website that provides news and information about current events, issues, and other topics of interest. They are a popular source of information for people who want to stay informed about current events and news from around the world.

The project will leverage a combination of web technologies, including HTML, CSS, JavaScript, and backend technologies such as PHP and MySQL, to build a robust and dynamic news portal. The portal will provide an intuitive and user-friendly interface for browsing and accessing news articles. The World Technology News Portal project aims to provide an informative and engaging platform for users to stay updated with the latest technology news.

By leveraging web technologies and incorporating user-friendly features, the portal will cater to the diverse needs of technology enthusiasts and professionals, fostering knowledge sharing and community engagement in the world of technology.

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY
GURU GHASHIDAS UNIVERSITY BILASPUR CHHATTISGARH**



A Major Project

ON

“ SOIL FERTILITY PREDICTION ”

Submitted in Partial Fulfilment of the Requirement for the Award of the Degree
of

MCA(NEW) : MASTER OF COMPUTER APPLICATION

Session 2022-2023

SUBMITTED BY

HARSHIT KUMAR SAHU

Roll No. – 21072123

Enrolment No. – GGV/21/05020

M.C.A 4th SEMESTER

UNDER THE GUIDENCE OF

Dr. AMIT KUMAR CHANDANAN

(Associate Professor)

CERTIFICATE OF THE GUIDE

This is to certify that the project entitled "Soil Fertility Prediction Model" is a record of work carried out by **Mr. Harshit Kumar Sahu** under my guidance and supervision for the award of the Degree of MCA at Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.). To the best of my knowledge and belief of the project, Embodies the work of the candidate himself, and has not been submitted for the award of any degree. Has duly been completed. Fulfils the requirement of the Ordinance relating to the MCA degree of the University. Is up to the desired standard in respect of contents and is being referred to the examiners.



(Signature of the guide)

Dr. AMIT KUMAR CHANDANAN


Associate Professor of

Guru Ghasidas Vishwavidyalaya,

Bilaspur, Chhattisgarh, India,

Recommendation of the Department

The Project work as mentioned above, here by being recommended and forwarded for examination and evaluation.



(Signature of the head of Department with seal)

Prof. A. K. Saxena

(H.O.D. of CSIT dept.)

GURU GHASHIDAS CENTRAL UNIVERSITY BILASPUR (C.G.)

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

ABSTRACT

The goal of this master's project is to provide a prediction model for the detection of Soil Fertility based on the chemical contents of soil .Soil fertility plays a crucial role in determining crop production volume. However, if the composition of soil nutrients, such as fertilizers, is not properly controlled and maintained, it can result in lower crop yields. Therefore, the measurement of soil nutrients is essential for achieving better plant growth and effective fertilization. Calcium (Ca), phosphorous (P), and pH level are among the key parameters commonly measured to monitor soil fertility as they provide important information for determining the soil's fertility status.

We used several important factors which effects soil fertility in our dataset and trained a model with various machine learning techniques like ANN, Decision tree, XG Boost, etc. To create best result and maximum proficiency in prediction.

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

A Central University established by the Central Universities Act 2009 No. 25 of 2009

Session: 2022-23

Report For : MCA Major Project



PROJECT REPORT ON

“INTRUDER DETECTION SYSTEM”

BY

ROHIT SAXENA

Enrollment No: - GGV/21/05046

MCA IVth Semester

The partial fulfillment of the requirement for the award of the degree

MASTER OF COMPUTER APPLICATION

UNDER THE GUIDENCE OF:

**DR. RAJWANT SINGH RAO
(ASST. PROF. OF CSIT)**

SUBMITTED TO:

**PROF. A.K. SAXSENA
HOD (CSIT DEPT.)**

**DEPARTMENT OF COMPUTER SCIENCE &
INFORMATION TECHNOLOGY**

CERTIFICATE

This is to certify that the project title "INTRUDER DETECTION SYSTEM" Carried out by Rohit Saxena, (Enroll No: GGV/21/05046) under guidance of Dr. Rajwant Singh Rao for award of the degree Master of Computer Application in faculty of Computer Science & Information Technology of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India.

To the best of my knowledge and belief the project: -

Embodies the work of the candidate himself has duty been completed in specified time.

1. Fulfills the requirements of the ordinance relating to M.C.A. Degree of the University.
2. Is up to the standard in respect of content and language for being referred to the examiners.


Project Guide


Internal Examiner


Head of Dept.

ABSTRACT

This project presents an Intruder Detection System (IDS) that utilizes multimodal sensor fusion and machine learning techniques for enhanced accuracy and efficiency in intruder detection. Traditional security systems relying on single sensors often lead to false alarms and missed intrusions. To overcome these limitations, our IDS integrates data from various sensors such as passive infrared (PIR) motion detectors, ultrasonic sensors, and video cameras. This multimodal approach provides a comprehensive understanding of the environment, reducing false positives and negatives.

The core of the system lies in its machine learning algorithms that process the fused sensor data to identify potential intrusions. Deep learning models, including convolutional neural networks (CNNs) and recurrent neural networks (RNNs), extract features from images and temporal patterns from sensor data. These features are then fed into a classification model capable of distinguishing normal from intruder behavior.

The benefits of the proposed IDS are multifold. Firstly, its accuracy is significantly improved by leveraging multiple sensor modalities, leading to a higher detection rate while minimizing false alarms. Secondly, the system's machine learning component enables real-time updates, allowing it to adapt to changing environmental conditions and intrusion patterns. Additionally, the IDS triggers immediate alerts upon detecting potential intrusions, ensuring a rapid response from security personnel or property owners.

The system's modular design enables seamless integration with existing security infrastructure, making it suitable for deployment in various environments, from homes to commercial establishments. Furthermore, the IDS captures and stores data related to intrusion events, providing valuable information for analysis, system refinement, and forensic purposes.

In conclusion, this project's innovative approach to intruder detection, incorporating multimodal sensor fusion and machine learning, showcases its potential to significantly enhance security measures. By combining advanced sensor technology and expertise in machine learning, the IDS offers a robust solution for detecting and preventing unauthorized access, ultimately contributing to safer environments.

TALK – VIDEO CALLING FOR THE WEB

A project Report submitted to



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR
(A Central University Established by the Central Universities Act, 2009 No. 25 of 2009)

In partial fulfillment of the requirements for the award of

MASTER OF COMPUTER APPLICATIONS

(MCA)

By

HIRENDRA PATEL

Roll No.: 21072124

Enrollment No.: GGV/21/05021

Under the Guidance of

MR. VIVEK KUMAR SARATHE

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Session: 2022 - 2023



CERTIFICATE OF THE GUIDE

This is to certify that the project entitled "TALK – VIDEO CALLING FOR THE WEB" is a record of work carried out by **Hirendra Patel (Enroll no. GGV/21/05021)** under my guidance and supervision for the award of the Degree of MCA (Master of Computer Applications), **Guru Ghasidas Central University Bilaspur (C.G.)**.

To the best of my knowledge and belief of the project

- i) Embodies the work of the candidate him/herself, and has not been submitted for the award of any degree.
- ii) Has duly been completed.
- iii) Fulfills the requirement of the Ordinance relating to the MCA degree of the University and
- iv) Is up to the desired standard in respect of contents and is being referred to the examiners.

(Signature of the Guide)

Vivek Kumar Sarathe

Assistant Professor

INTRODUCTION

In an era where connectivity is paramount, traditional video calling methods often come with barriers like mandatory registrations and downloads, hampering the fluidity of online conversations. "TALK" revolutionizes this landscape with its peer-to-peer video calling platform that requires no sign-ups or downloads, seamlessly working across major web browsers.

At its core, "TALK – VIDEO CALLING FOR THE WEB" amalgamates cutting-edge web technologies with user-centric design, aiming to empower users with a hassle-free video calling experience. It prioritizes simplicity, accessibility, and security. Instant accessibility is a hallmark – users can initiate video calls effortlessly, eliminating complex registration processes and software installations.

This platform is meticulously crafted for universal compatibility, ensuring a seamless experience on all major web browsers. Leveraging peer-to-peer technology, "TALK" optimizes data transmission, enhancing call quality and reducing latency, providing uninterrupted real-time communication.

Multiclass Classification Of Parkinson's Disease Using Deep Learning Models

**A THESIS SUBMITTED TO THE DEPARTMENT OF COMPUTER
SCIENCE AND INFORMATION TECHNOLOGY**



**GURU GHASIDAS VISHWAVIDYALAYA UNIVERSITY, BILASPUR,
CHHATTISGARH, INDIA**

By

SIDDHARTHA SUPRASAD MOHANTY

**In Partial Fulfilment of the Requirements for the Degree of Master of
Computer Application**

Session 2023

DECLARATION

I certify that

- a. The work contained in the thesis is original and has been done by myself under the supervision of my supervisor.
- b. The work has not been submitted to any other Institute for any degree or diploma.
- c. I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
- d. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis and giving their details in the references.
- e. Whenever I have quoted written materials from other sources and due credit is given to the sources by citing them.
- f. From the plagiarism test, it is found that the similarity index of whole thesis within 25% and single paper is less than 10 % as per the university guidelines.

Date: 16/08/2023

Place: GGV, Bilaspur

Siddhartha Suprasad Mohanty
SIDDHARTHA SUPRASAD MOHANTY

Abstract

Parkinson's disease (PD) is difficult for modern clinicians to accurately diagnose in the early stages. Quantitative measures of brain health can be obtained safely and non-invasively using medical imaging techniques like magnetic resonance imaging (MRI). For accurate diagnosis of Parkinson's disease, powerful machine learning and deep learning models as well as the effectiveness of medical imaging tools at assessing neurological health are required. This study proposes four deep learning models with a hybrid model for the early detection of Parkinson's disease. Hence, VGG16, DenseNet, DenseNet+LSTM, InceptionV3 and VGG16+InceptionV3 are applied in the T1,T2-weighted datasets. All the models perform well and obtained near above 95%. The highest accuracy 99.97% obtained by the model VGG16 in T1T2-weighted dataset.

Keywords: Parkinson's Disease, T1,T2-weighted, deep learning, VGG16, InceptionV3, DenseNet, DenseNet-LSTM.

HOSTEL MANAGEMENT SYSTEM

A
PROJECT REPORT
ON
"HOSTEL MANAGEMENT SYSTEM"



GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

Submitted In Partial Fulfillment of The Requirement for The
Award of The Degree Of

**MASTER OF COMPUTER APPLICATION
(MCA)**

By

LATIKA JAISWAL

Roll No.:21072125

Enrollment No.: GGV/21/05022

Under The Guidance of
AMITESH KUMAR JHA
(Assistant Professor)

**DEPARTMENT OF COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY**

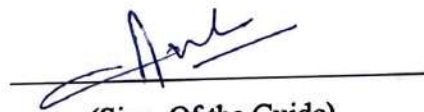
SESSION 2022-23

CERTIFICATE OF THE GUIDE

This is to certify that the project entitle "**HOSTEL MANAGEMENT SYSTEM**" is a record carried out by **Miss. LATIKA JAISWAL** under my guidance and supervision for the award of the Degree of MCA at **Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India.**

To the best of my knowledge and brief of the project:

1. Embodies the work of the candidate himself, and has not been submitted for the award of any degree.
2. Has been duly completed.
3. Fulfills the requirement of the ordinance relating to B.Sc.
4. Is up to the desired standard in request of the contents and is being referred to the examiners.



(Sign. Of the Guide)

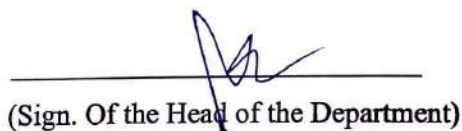
Mr. AMITESH KUMAR JHA

Assistant Professor

(Dept. of CSIT)

RECOMMENDATION OF THE DEPARTMENT

The project as mentioned above is being recommended and forwarded for examination and evaluation.



(Sign. Of the Head of the Department)

Prof. AMIT SAXENA

(H.O.D. of CSIT Department)

ABSTRACT

Hostel Management System is a web based software solution which allows a particular hostel institution to arrange, manage and handle all process involved from registration of hostel seats to accommodation, mess facility, managing students and all the activities. As the number of hostel institutes and the number of students increases, managing them in traditional old way is very tough. So this software facilitates management of students and to release the work load and help in doing the same work much easily, efficiently and faster. This particular software deals with the problems involving managing hostel and to avoid any unnecessary dealings which are carried out manually. This system is more user friendly, efficient and more GUI oriented. This system is created to overcome the limitations of the existing system.

HTML, CSS, Php, Javascript will be used to achieve this project because of its flexibility and English-Like syntax. Xampp server will be used as database management system using phpMyadmin.

Aside from this we have additionally given the office of student attendance framework in which student can take leave for a period and endorsement of that leave stays close by of administrator. In the last this framework will enhance the administration work in the lodging.

This framework does not require so productive individual to handle and compute the things. This framework consequently computes and issued the notices for those students who are against some rules. Through this we can check the individual profile of all the present students inside couple of minutes the information base of the framework will help us to check a specific one.

GURU GHASIDAS VISHWAVIDYALA BILASPUR, (C.G)



DEPARTMENT OF C.S.I.T.

PROJECT ON

“CG State Finance Commission INFO app”

A state-finance information app using Android Studio

Submitted by: Simaran Chandrakar

Enroll. No: GGV/21/05053

Roll no: 21072160

M.C.A. 4th Semester (Computer Science)

Under the Guidance of:

Dr. Vikas Kumar Pandey

(Asst. Prof. C.S.I.T)

Submitted to:

Dr. A. K. Saxena

HoD (C.S.I.T)



गुरु घासीदास विश्वविद्यालय
GURU GHASIDAS VISHWAVIDYALA

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

(A central University established by the Central Universities Act, 2009, No. 25 of 2009)

Certificate

This is to certify that Simaran Chandrakar has worked on post-graduate dissertation project entitled "**CG State Finance Commission INFO App**" for the partial fulfillment as part of M.C.A. honors Computer Science degree. I am forwarding this project to university for the award of M.C.A. Honors Computer Science, during the academic session 2021-23.

To the best of my knowledge and belief, the project: - Embodying the candidate's own work has been successfully finished within the allotted time.

1. Satisfies the criteria of the ordinance applicable to the University's M.C.A. degree.
2. Meets the requirements in terms of language and substance for referral to the examiners.

PROJECT EXAMINED & APPROVED

Examiner Name:

Guided by:

.....

DR. Vikas Kumar Pandey

(Asst. Prof CSIT, GGV)

Submitted To:

.....

DR. A K SAXENA

(HoD CSIT, GGV)

Introduction

1.1 Overview

CG SFC-INFO App, a remarkable innovation by the State Finance Commission Chhattisgarh, has been thoughtfully crafted to offer a transformative digital experience, facilitating seamless access to critical online information sourced directly from local bodies.

1.2 About Project

CG SFC-INFO App establishes itself as a pillar of today's administrative efficiency thanks to its user-centered design and cutting-edge capabilities, encouraging informed decision-making, boosting accountability, and building collaborative cooperation within the local governance ecosystem.

1.3. Functional Components.

- **User Authentication and Access Control:** This is used to Secure user registration and login processes with Role-based access control to ensure appropriate permissions for different user types.

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

(A Central University Established by Central University Act, 2009
No 25 of 2009)



A
MAJOR PROJECT REPORT
ON
"AllkartZ"
(E-Commerce website)

Submitted in partial fulfilment of the requirements for the
Award of the degree of MCA

(Session 2022-2023)

SUBMITTED BY

Akash Madhukar

Roll No. – 21072105

Enrol No. – GGV/21/05005

MCA – 4th Semester

SUBMITTED TO

PROF. A. K. SAXENA

(HOD of CSIT Dept.)

Guru Ghasidas Central
University, Bilaspur (C.G.)

UNDER GUIDANCE OF

PROF. A. K. SAXENA

(HOD of CSIT Dept.)

Guru Ghasidas Central
University, Bilaspur(C.G.)



CERTIFICATE OF THE GUIDE

This is to certify that the project entitled "**AllkartZ (E-Commerce website)**". is a record of work carried out by **AKASH MADHUKAR (Enrol No. - GGV/21/05005)**, under my guidance and supervision for the award of the Degree of **MASTER OF COMPUTER APPLICATION, Guru Ghasidas Central University Bilaspur (C.G.)**.

To the best of my knowledge and belief the project

- i) Embodies the work of the candidate himself and has not been submitted for the award of any degree.
- ii) Has duly been completed.
- iii) Fulfils the requirement of the Ordinance relating to the MCA degree of the University and
- iv) Is up to the desired standard in respect of contents and is being referred to the examiners.



(Signature of the Guide)

DR. A.K. SAXENA
(H.O.D. of CSIT Dept.)

Introduction

In the contemporary digital landscape, the advent of technology has revolutionized the way commerce operates, reshaping traditional business models and consumer behavior. One of the prominent outcomes of this transformation is the proliferation of online shops, also known as e-commerce platforms. These digital marketplaces have become integral to our daily lives, offering convenience, variety, and accessibility like never before. This project endeavors to explore the intricate dynamics of creating an online shop, akin to renowned e-commerce giants like Amazon or others, in order to provide users with a comprehensive virtual shopping experience.

The rise of online shops has fundamentally altered the retail landscape, empowering both consumers and businesses with a novel means of interaction. Consumers are now presented with a vast array of products and services at their fingertips, eliminating geographical constraints and transcending temporal limitations. This level of accessibility has not only reshaped traditional retail but has also given birth to new modes of business engagement, providing a platform for entrepreneurs, small businesses, and artisans to showcase their offerings to a global audience.

In this project, we delve into the intricacies of developing an online shop, from conceptualization to implementation, encompassing various aspects such as user experience design, technology integration, security measures, and business strategies. By emulating the functionalities and features of established e-commerce platforms, this project seeks to provide a comprehensive understanding of the underlying mechanisms that contribute to the success of these digital marketplaces.

GURU GHASIDAS VISHWAVIDYALAYA, KONI, BILASPUR (CG)

(A Central University Established by the Central Universities Act, 2009 No.25 of 2009)

DEPARTMENT OF COMPUTER SCIENCE

&

INFORMATION TECHNOLOGY



Major Project Report

On

“FACIAL EMOTION RECOGNITION”

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF MCA

Master of Computer Application

(Session: 2022-23)

SUBMITTED BY:

ARVIND KUMAR SAHU

ROLL NO: 21072107

ENROLL NO: GGV/21/05007

MCA IV SEMESTER

SUBMITTED TO:

Dr. RATNESH PRASAD SRIVASTAVA

Associate Professor



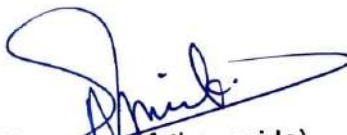
DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
GURU GHASIDAS CENTRAL UNIVERSITY, BILASPUR
(A Central University Established by the Central Universities Act, 2009 No.25 of 2009)

CERTIFICATE OF THE GUIDE

This is to certify that the project entitled "**Facial Emotion Recognition**" is a record of work carried out by **Arvind Kumar Sahu** under my guidance and supervision for the award of the Degree of MCA at Guru Ghasidas Central University Bilaspur (CG).


To the best of my knowledge and belief of the project

- i) Embodies the work of the candidate him/herself, and has not been submitted for the award of any degree.
- ii) Has duly been completed.
- iii) Fulfils the requirement of the Ordinance relating to the MCA degree of the University
- iv) Is up to the desired standard in respect of contents and is being referred to the examiners.


(Signature of the guide)

Recommendation of the Department

The Project work as mentioned above by here by being recommended and forwarded for examination and evaluation


(Signature of the Head of Department with seal)

Prof. Amit Kumar Saxena

(HOD of CSIT)

GURU GHASIDAS CENTRAL UNIVERSITY BILASPUR (CG)



DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
GURU GHASIDAS CENTRAL UNIVERSITY, BILASPUR
(A Central University Established by the Central Universities Act, 2009 No.25 of 2009)

ABSTRACT

People's facial expressions reveal a common set of feelings that we all share. Face-recognition technology has been deployed in a wide range of applications that require additional security or personal information. Facial expressions such as sadness, happiness, surprise, rage, and fear may all be used to determine a person's emotional state using facial emotion detection. Face emotion recognition and detection is critical for marketing purposes. Customers' reactions to all of a company's products and offerings are the lifeblood of the majority of enterprises. It is possible to determine whether or not a consumer is satisfied with a product or service based on their emotional response to an image or video captured by an artificially intelligent system. Using transformed photos, several machine learning approaches, such as Random-forest and SVM, were previously utilised to estimate sentiment. Computer vision, for example, has made significant strides in recent years thanks to advancements made possible by deep learning. Facial expressions may be detected using a convolutional neural network (CNN) model. This dataset is used for both training and testing purposes.

Keywords: CNN, facial expressions, Intelligent, machine learning.

CSIT STAFFROOM

A PROJECT REPORT

*Submitted in partial fulfilment of the requirements for
the award of the degree of*

**Master of
COMPUTER APPLICATION**

Session-2023

by

AVANTI SAHU

21072108

GGV/17/7036

Under the supervision of

**DR. RATNESH
PRASAD SRIVASTAVA**

Associate Professor



**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION
TECHNOLOGY (CSIT)**

**GURU GHASIDAS VISHWAVIDYALAYA
BILASPUR, CHHATTISGARH, INDIA, 495009**

CERTIFICATE BY THE GUIDE

This is to certify that the project work entitled "**CSIT STAFFROOM**", a Web based project, submitted to Department of Computer Science and Information Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) by **Avanti Sahu**, is in partial fulfilment for the requirement for the awarding the degree of **Master of Computer Application** from Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.) in the year 2023.

This project work has been carried out under my guidance.



Dr. Ratnesh Prasad Shrivastava
Associate Professor
GGV, Bilaspur (C.G.)

1. INTRODUCTION

1. ABSTRACT

The **CSIT STAFFROOM** is a comprehensive online platform designed exclusively for faculty members and students to access vital information and carry out their academic tasks efficiently. This user-friendly website serves as a digital hub, providing a seamless and centralized solution for managing all aspects related to college academics, courses, and administrative processes. This Website simplifies academic processes, encourages efficient collaboration, and enhances communication between faculty members and students. The platform aims to elevate the college experience by integrating technology into education and administration, fostering a dynamic learning environment for all stakeholders.

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)

A Central University established by the Central Universities Act 2009 No. 25 of 2009

Session: 2022-23

Report For : MCA Major Project



PROJECT REPORT ON

“WhatsApp Chat Analyzer”

BY

AYUSH MISHRA

Enrollment No: - GGV/21/05008

MCA IVth Semester

The partial fulfillment of the requirement for the award of the degree

MASTER OF COMPUTER APPLICATION

UNDER THE GUIDENCE OF:

**Mr. ABHISHEK PATEL
(ASST. PROF. OF CSIT)**

SUBMITTED TO:

**PROF. A.K. SAXSENA
HOD (CSIT DEPT.)**

**DEPARTMENT OF COMPUTER SCIENCE &
INFORMATION TECHNOLOGY**

Certificate

This is to certify that the project title "WHATSAPP CHAT ANALYZER" Carried out by AYUSH MISHRA, (Enroll No: GGV/21/05008) under guidance and supervision of Mr. Abhishek Patel for award of the degree Master in Computer Application of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India.

To the best of my knowledge and belief the project: -

Embodies the works of the candidate himself has duty been completed in specified time.

1. Fulfills the requirements of the ordinance relating to MCA Degree of the University.
2. Is up to the standard in respect of content and language for being referred to the examiners.



Project Guide
(Signature)



External Examiner
(Signature)



Head of Department
(Signature)

Verification Date/Submission Date: - 16 August 2023

Final Submission Date: - 19 August 2023

Abstract

The WhatsApp Chat Analyzer is a novel tool designed to uncover valuable insights from the vast amount of textual data generated within WhatsApp conversations. With the proliferation of instant messaging, understanding the communication dynamics, and topic preferences within these conversations has become increasingly important for both individuals and businesses. This tool employs advanced tools to process and analyze WhatsApp chats, offering users a deeper understanding of their interactions.

The WhatsApp Chat Analyzer encompasses several key features. It performs Deep analysis on messages to gauge the valuable data you have by chats over time. Additionally, it identifies recurring keywords and topics, allowing users to track the evolution of discussion subjects. The tool also visualizes chat activity patterns, helping users recognize peak interaction times and engagement levels.

Furthermore, the WhatsApp Chat Analyzer offers personalized insights by categorizing conversations based on user-defined criteria, such as individual participants or specific time frames. This feature enables users to gain a more nuanced understanding of communication dynamics within distinct contexts.

From a broader perspective, businesses can leverage the WhatsApp Chat Analyzer to refine customer engagement strategies by identifying popular topics related to their products or services. Individuals can benefit by enhancing their communication skills, recognizing conversational patterns, and maintaining more meaningful connections with their contacts. Even Governments can use WhatsApp Chat Analyzer to get some lead on criminal behavior by analyzing their chat words used no of frequency of the word etc.

In conclusion, the WhatsApp Chat Analyzer presents a comprehensive solution for unlocking the hidden gems within WhatsApp conversations. By harnessing the power of data mining and data visualization, this tool empowers users to extract valuable insights, enabling better-informed decisions, improved communication, and a deeper understanding of social interactions.