ACHARYA INSTITUTE OF GRADUATE STUDIES



(NAAC Re-accredited 'A+' and Affiliated to Bengaluru City University)
Soladevanahalli, Bengaluru-560107

$1.3.2\ Number\ of\ students\ undertaking\ project\ work/field\ work/\ internships\ in\ the\ Department\ of\ MCA\ (2023-2024)$

Sl.No	Student name	PROJECT TITLE	Guide Name
1	AMRUTH MONNAPPA MP	FORTIS SPIDER INTRANET DASHBOARD	FARZEEN BASITH
2	KOLUMURI VENKATA ANIL KUMAR REDDY	DEVELOPEMENT OF AN E-COMMERCE PLATFORM	Mr. Vivek. K
3	CHANDU B A	FINDING FREQUENT SUBGRAPHS IN GRAPH DATABASES USING GSPAN	RAJESH RAO K
4	FAMIDA LATHEEF	HVAC DASHBOARD CREATION	NARASIMHA MURTHY G K
5	HEMASHREE C R-	EMPLOYEE TASK MANAGEMENT SYSTEM	FARZEEN BASITH
6	MILLO TAGE,	ORGIT-TASK MANAGER	Mr. Vivek. K
7	MOHAMMED ZAHAL -	INVENTORY MANAGEMENT SYSTEM	NARASIMHA MURTHY G K
8	MUHAMED RAHEES AK -	HOSPITAL MANAGEMENT SYSTEM	RAJESH RAO K
9	PENUJURI NAGA PRANITHA	MOCK INTERVIEW SYSTEM USING AI/ML AND IMAGE PROCESSING	Dr. A R DEEPTI
10	PARAJAPATI KAUSHIK	JOB PORTAL	FARZEEN BASITH
11	RAKSHITHA DIVAKAR	A GROUND TRUTH FOR DATA AND IDENTIFY THE BEST IMPUTATION TECHNIQUE	Dr. BALAMURUGAN M
12	SOURABH	LANGAUGE LEARNING	Mr. Vivek. K
13	SIDHARTH KUMAR RANA	SMART TRANSLATION FOR PHYSICALLY CHALLENGED PEOPLE USING MACHINE LEARNING	NARASIMHA MURTHY G K
14	SREERAG K-	SIGN LANGUAGE RECOGNITION	Mr. Vivek. K
15	SUBHAM NATH	BLOG MANAGEMENT SYSTEM	Dr. BALAMURUGAN M
16	SUNITHA ADDALA	DISCOVERING FREQUENT PATTERNS IN UNCERTAIN BIG DATA USING TUBEP	Narasimha Murthy GK
17	UPPARA SAI VAMSI	TRIP EXPENSES TRACKER	Dr. BALAMURUGAN M





18	SUNKARA VAMSI KRISHNA	REAL ESTATE LISTINGS WEBSITE	Mr. Vivek. K
19	AISWARYA KOTTIYAL	TEXT TO IMAGE GENERATION COMBINED WITH GENERATED CAPTION USING OPTIMIZATION TECHNIQUES	Mr. Vivek. K
20	AJAY KALLUR	DRIGHNA TECHNOLOGIES MOBILE APP: ENHANCING SERVICE EXPLORATION AND CUSTOMER ENGAGEMENT IN REAL TIME	RAJESH RAO K
21	AJAY RAJU RAJC P	LLM BASED TOOLFOR GENERATING HUMAN- LIKE RESPONSE TO NATURAL LANGUAGE INPUT	Mr. Vivek. K
22	ANANYA T P	REAL-TIME AIR POLLUTION WITH DEEP LEARNING	FARZEEN BASITH
23	ANUJITH S	IOS APPLICATION DEVELOPER	NARASIMHA MURTHY G K
24	UJWAL NAIK	TRACK HIVE-BUG TRACKING SYSTEM IN COMPANY	Mr. Vivek. K
25	ANUSHREE S	EXTRACCTING COVERAGE PATTERNS FROM TRANSACTIONAL DATA USING CMINE	Dr. A R DEEPTI
26	BHARATHKUMAR D	PROJECT MANAGEMENT SYSTEM	NARASIMHA MURTHY G K
27	I. BHARGAV SAI	PASSENGER FLOW PREDICTION IN METRO SYSTEM	Mr. Vivek. K
28	DIKSHITH	OLINE LEARNING PORTAL	Nagaraju M.L
29	GAGAN B C	BREW MASTER- PERFECTING EVERY BREW	Dr. A R DEEPTI
30	RACHAMALLA HAREESH KUMAR REDDY	CONTENT AND QUESTION GENERATION FROM BOOK USING LLM,) LANG CHAIN, FAISS	Prof. Nagaraju ML



31	HARSHITHA VC	FINDING WEIGHTED FREQUENT PATTERNS IN TRANSACTIONAL DATABASES USING WFIM	Dr. A R DEEPTI
32	JAY ASIMHA R ARKACHARI	EXAM HALL VERI FICATION USING QR CODE	Dr. BALAMURUGAN M
33	MANJUSHA KUMARI	MULTIPLE FACE RECOGNITION SYSTEM ATTENDANCE	FARZEEN BASITH
34	MANOJ KUMAR R	MOBILE SHOP MANAGEMENT	Dr. BALAMURUGAN M
35	MEGHA K	GEOSPATIAL VISUALIZATION OF POLLUTION DATA USING GEOPANDAS, PLOTLY,	Prof. Nagaraju ML
36	MIDHUN THOMAS MAMEN	CD IMPUTE	RAJESH RAO K
37	MUHAMMED AMJAD M-	EVENT MANAGEMENT SYSTEM	NARASIMHA MURTHY G K
38	RAKHI KUMARI	MEDIHUB-MERN STACK HEALTHBRIDGE	RAJESH RAO K
39	SAMEER AHMED H F	CLOUD BASED RECRUITMENT APPLICATION	RAJESH RAO K
40	SHRIVATSA USI RDESHPANDE	DYNAMIC PRICING STRATEGY USING MACHINE LEARNING	NARASIMHA MURTHY G K
41	SINDHU H	MEETING SHCDULE AND REMINDER	FARZEEN BASITH
42	SNEHA	FREQUENT SEQUENTIAL PATTERN IN SEQUENCE DATABASE USING SPADE	Nagarju M.L
43	SREERAG K	SIGN LANGUAGE RECOGNITION	Mr. Vivek. K
44	SRIKANT PANDEY	NAMMA HAAT E- COMMERCE	Mr. Vivek. K
45	SUMIT KUMAR SHARMA	MULTILPLE FACE RECOGNITION ATTENDANCE SYSTEM USING DEEP LEARNING	Mr. Vivek. K
46	UPPARA SAI VAMSI	TRIP EXPENSES TRACKER	Dr. BALAMURUGAN M





47	UTKARSH KAYASTH	PREDICTING ENERGY CONSUMPTION USING MACHINE LEARNING	Dr.A R DEEPTI
48	N AL FAISAL-	EMPLOYEE ATTENDANCE AND TIME OFF MANAGEMENT SYSTEM	NARASIMHA MURTHY G K
49	A WELFRED PRAJWAL	FINDING FREQUENT SEQUENTIAL PATTERNS IN SEQUENCE DATABASES USING PREFIXSPAN ALGORITHM	Mr. Vivek. K
50	ADIREDDY SATHWIK REDDY	DOMINANT COLOR EXTRACTION	FARZEEN BASITH
51	AKSHAY.A.P	ENHANCING HYBRID NUERAL NETWORK	Dr. A R DEEPTI
52	ANUSHA JAGOD	EXPLORING ASOCIATION RILES IN PATTERN MINING	Dr. A R DEEPTI
53	BAVTIS	STUDY ON PAMI ALGORITHMS	Nagarju M.L
54	DEVARASI RAMI REDDY	BUILDING A CRYPTOCURRENCY TRACKER WITH REACT	NARASIMHA MURTHY G K
55	DANUSH.C	A FOG CENTRIC CLOUD SECURE SCHEME	Dr. A R DEEPTI
56	GIRISH H	PHISHCATCHER CLIENT SIDE DEFENSE AGAINST WEB SPOOFING ATTACKS USING MACHINE LEARNING	Prof.Nagaraju ML
57	GOPIKA	VENDERO RECOMANDATION SYSTEM	FARZEEN BASITH
58	HEMANTH GIRIMATH	INDIAN ENERGY EXCHANGE FORECASTING USING PYCARET AND STREAMLIT	NARASIMHA MURTHY G K
59	JAYASIMHA R ARKACHARI	EXAM HALL USING QR CODE	Dr. BALAMURUGAN M
60	KARTHIK	A VERIFIABLE FAIR ATTITUDE	Prof.Nagaraju ML
61	KEERATHANA TV	REAL TIME CHAT APPLICATION WITH	Mr. Vivek. K





		NEWS AND WEATHER FORCASTING	
62	KEERTHI G	DISCOVERING KNEE OSTEOARTHRITIS	RAJESH RAO K
63	LAILA R	HSE - INCIDENT MANAGEMENT SYSTEM	Dr. BALAMURUGAN M
64	MADAN B OMKAR	FAKE PRODUCT IDENTIFICATION BY QR CODE USIN BLOCK CHAIN	FARZEEN BASITH
65	MOHAMMED ADHIL M,	EMO TALE: SHAPING NARRATIVE TRAJECTORIES WITH READER'S AFFECTIVE STATES	Mr. Vivek. K
66	NAGAMANI	MULTIPLE OBJECT DETECTION	Prof. Nagaraju ML
67	NIKHIL S	EVALUATIION OF APRIORI ALGORITHM PERFORMANCE IN PAMI, ML AND EFFEICIENT APRIORI LIBRARIES	Dr. A R DEEPTI
68	NUTHAN B C	SECURE CLOUD DATA DEDUPLICATION WITH EFFICIEN RE- EMCRYPTION	Dr. A R DEEPTI
69	POOJA M .V	FORENSIC: EARLY DET3ECTION OF ONGOING CYBERATACCKS USING DIGITAL FORENSCS	Dr. A R DEEPTI
70	POOLA MEGHANA	GOODNESS GIFT	Dr. BALAMURUGAN M
71	SWEKSHA	DATA DRIVEN DECISION MAKING	Prof. Nagaraju ML
72	ANANDI	FINDING TOP K FREQUENT	Prof. Nagaraju ML
73	BHARATRAJ D NAIK	FAST DATA: A FAIR, SECURE, AND TRUSTED DECENTRALIZED IIOT DATA MARKETPLACE ENABLED BY BLOCKCHAIN	RAJESH RAO K
74	BINDU RANI	NEWS SENTIMENT ANALYSIS	FARZEEN BASITH
75	DEEVANKUMAR J	MULTIPLE DISEASES PREDICTION USING MACHINE LEARNING	Dr. BALAMURUGAN M





76	GOPI K.N	EFFICIENT MLALGORITHM	Prof.Nagaraju ML
77	JENCY LANCET	EFFICIENT PRIVATE ALGORITHM	Prof.Nagaraju ML
78	KAVYA	DEDIICATED SUPPLIER PORTAL	Prof.Nagaraju ML
79	PAVAN A.V	SOCIAL MEDIA APP FOR FARMERS AND AGRO- ENTHUSIASTS	NARASIMHA MURTHY G K
80	PRASHWISH U NAIK	CLIENT TURNOVER ANTICIPATION	RAJESH RAO K
81	PURUSHOTHAMA	MACHINE LEARNING FOR PREDICTIVE INDUSTRIAL MACHINARY MAINTENANCE	NARASIMHA MURTHY G K
82	REVANTH V	PRIVACY PRESERVING DATA ENCRYPTION STRATEGY FOR BIG DATA IN MOBILE CLOUD COMPUTING	Dr. BALAMURUGAN M
83	RUPA DAS	E-COMMERCE WEBSITE USING MERN STACK	FARZEEN BASITH
84	SAMUEL EMMANUEL KAUNDA	AI EHNANCED AGRICULTURAL SYSTEM	FARZEEN BASITH
85	SHAFIR P K	TRANSLOOM: SEAMLESS MULTILINGUAL TRANSLATION	Dr. BALAMURUGAN M
86	SIRISHA	OPTIMIZED PRODUCTIVE RECOVERY	Nagaraju M.L
87	VEERESH B N	MUSIC GENERATION USING LSTM NETWORKS	FARZEEN BASITH
88	VIPIN VISWANATH	TICKETSURE	Dr. BALAMURUGAN M
89	YAMINI K	DEEP LEARNING APPROACHES TO PM 1.5 DATA: FORECASTING TO INSIGHTS	Dr. BALAMURUGAN M
90	ANIK	CUSTOMER SEGMENTATION AND RECOMMENDATION SYSTEM FOR OPTIMAL SALES	Vivek
91	APOORVA SM	GEMINI AI POWERED CHATBOT WITH FLASK	FARZEEN BASITH





92	DARSHAN M MALYA	DETECTING DEEPFAKES WITH LONG-DISTANCE ATTENTION ON	Mr.Vivek.k
		COLLECTED DATASETS	
93	TARUN	PREDICTING TAXI AND	Mr.Vivek.k
73	TAKON	UBER DEMANDS IN CITY	WII. VIVER.K
		FINDING HIGH UTILITY	
94	DEEPU G	SPATIAL PATTERNS IN	RAJESH RAO K
94	DEEFOG	UTILITY DATABASE	KAJESII KAO K
		USING HDSHUIM	
95	LINGESH	FITNESS RACKING	Mr.Vivek.k
93	LINGESII	DASHBOARD	WII. VIVEK.K
96	MONISHA	TRIP XPERT-TOURISM	NARASIMHA MURTHY G K
90	MONSHA	PORTAL	NAKASIWITA WUKTITI U K
		FINDING RECURRING	
97	NEELAM PUJARI	PATTERNS IN	Dr.A R DEEPTI
71	NEELAWI FUJANI	TEMPORAL DATABASE	DI.A K DEEF II
		USING RP GRWTH	



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CERTIFICATE

This is to certify that AMRUTH MONNAPPA MP - P18AJ22S126109 has completed the final project work entitled FORTIS SPIDER INTRANET DASHBOARD as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Farzeen Basith Assistant Professor Acharya Institute of Graduate Studies Signature of External Guide

Navin V Rao Associate General Manager Fortis Healthcare

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HOD, Department of MCA Acharya Institute of Graduate Studies Signature of Brincipal
Acharya Institute of the Karl Valityties
Solode Dr. Gurunath Karl Valityties
Principal

Acharya Institute of Graduate Studies

CERTIFICATE

This is to certify that Kolumuri Venkata Anil Kumar Reddy (P18AJ22S126107) has completed the 4th Sem project work entitled Development Of An E-commerce Platform is a result of the bonafide work carried out during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K Assistant professor Department of MCA

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Bangarore - 560 090

Mr. Vivek K
Assistant Professor

Department of MCA Acharya Institute of Graduate Studies

Examiner 1:

Examiner 1:

Examiner 2:

Signature of External Guide

Mr. Pramanand Badiger Software developer Techno Fly Solutions.

Date:

Signature of Principal

Dr. Gurunath Rao Vaidya Principal

Acharya Institute of Graduate Studies

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Department of MCA

Acharya Institute of Graduate Studies

CERTIFICATE

This is to certify that Chandu B A - P181J22S126094 has completed the final project workentitled Finding Frequent Subgraphs in Graph Databases Using gSpan Algorithm as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Rajesh Rao K

Assistant Professor

Acharya Institute of Graduate Studies

Acharya Institute of Graduate Stumes Prof. Vieskokore - 580 050

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Signature Vinoth E

Chief Technical Officer

Edu Tantr Ventures Pvt Ltd

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Principal

Acharya Institute of Graduate

Signature of Examiner 2



CERTIFICATE

This is to certify that FAMIDA LATHEEF-P18AJ22S126097 has completed the final project work entitled SYNTHETIC DATA GENERATION FOR TRANSACTIONAL DATABASE as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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Mr. Vinoth E Chief Technical Officer Edu Tantr Private Limited

VEVERINE - 560 CSU

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PRINCIPAL

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CERTIFICATE

This is to certify that Hemashree C R - P18AJ22S126099 has completed the final project work entitled EMPLOYEE TASK MANAGEMENT SYSTEM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2000 under our supervision.

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CERTIFICATE

This is to certify that MILLO TAGE - P18AJ22S126096 has completed the final project work entitled ORGIT-TASK MANAGER as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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Mr. Prabhanjan

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Graduute Studies

Sign of Examiner – 2: _____



CERTIFICATE

This is to certify that MOHAMMED ZAHAL - P18AJ22S126120 has completed the final project work entitled Inventory Management System as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Narasimha Murthy G K Assistant Professor, Dept. MCA Acharya Institute of Graduate Studies

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of Principal Acharya lastitute of Graduata Studies Dr. Gaminatte Rate Vardya HOD

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	Department of Computer Applications	
	VALUED AND LOST	



CERTIFICATE

This is to certify that MUHAMED RAHEES AK - P18AJ22S126110 has completed the final project work entitled Hospital Management System as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

PROF. RAJESH RAO K

Associate Professor, Dept. MCA

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Chief technical officer

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Principal

Scontinent Technology Pvt Ltd

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Department of Computer Applications

Dr. Gurunath Rae Yajdya HOD

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ya Institute of Graduate Studies



CERTIFICATE

This is to certify that PENUJURI NAGA PRANITHA – P18AJ22S126087 has completed the final project work entitled MOCK INTERVIEW SYSTEM UGING AI/ML AND IMAGE PROCESSING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

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Professor, Dept. of MCA

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CERTIFICATE

This is to certify that Parajapati Kaushik - P18AJ22S126091 has completed the final project work entitled JOB PORTAL as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

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CERTIFICATE

This is to certify that RAKSHITHA DIVAKAR-P18AJ22S126055 has completed the final project work entitled Al Powered Air Quality Monitoring in Japan as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

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Dr. BALAMURUGAN M Associate Professor, Dept. MCA Acharya Institute of Graduate Studies Mr. Vinoth E Chief Technical Offer Edu Tantr Pvt. Ltd

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AcharSignature of Principals Studies Dr. Gurunath Rao Vaidya



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CERTIFICATE

Computer Applications degree, during the academic year 2023-2024 under our supervision entitled Gamified Language Leaming as a partial fulfillment of the award of a Master of This is to certify that Saurabh kapasia - P18AJ22S126083 has completed the final project work

Mr. Vivek K Signature of Internal Guide

Signature of External Guide

Acharya Institute of Graduate Studies Assistant Professor

Scontinent Technologies Pvt. Ltd Software Developer Mr. Prabhanjan

Dr. Gurunath Rao Vaidys Signature of Principal

Acharya Institute of Graduate Studies Principal

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CERTIFICATE

This is to certify that SIDHARTH KUMAR RANA – P18AJ22S126100 has completed the final project work entitled ROLLO MAN E-COMMERCE as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Hushy

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CERTIFICATE

This is to certify that SREERAG K - P18AJ22S126078 has completed the final project work entitled SIGN LANGUAGE RECOGNITION as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

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Prof. Vivek k

Assistant Professor, Dept of MCA

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Mr. Vinoth E

Chief Technical Officer

Edu Tantra Pvt Lmt

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CERTIFICATE

This is to certify that SUBHAM NATH - P18AJ22S126116 has completed the final project work entitled BLOG MANAGEMENT SYSTEM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Balamurugan M Assistant Professor, Dept. of MCA Acharya Institute of Graduate Studies

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HOD, Department of MCA Acharya Institute of Graduate Studies Signature of External Guide

Mr. Prabhanjan Software Developer Scontinet Technology Pvt. Ltd.

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Sign of Examiner – 2:



CERTIFICATE

This is to certify that SUNITHA ADDALA - P18AJ22S126103 has completed the final project work entitled DISCOVERING FREQUENT PATTERNS IN UNCERTAIN BIG DATA USING TUBEP ALGORITHM as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

NHUNTHY Signature of Internal Guide

Narasimha Murthy G K

Assistant professor

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Chief Technical Officer

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1. INTRODUCTION

1.1 PROJECT DESCRIPTON

Scarlet an Android application functions as an advanced driver-assistance system, enhancing road safety by utilizing the built-in sensors of smartphones. It utilizes the gyroscope sensor to precisely detect lane shifts and the geomagnetic sensor to track and log speed variations in real time. The application utilizes the gyroscope and geomagnetic sensors in modern Android devices to provide an accessible and effective solution for reducing accidents, keeping drivers attentive during crucial moments on the road.

The app uses the gyroscope sensor to continuously monitor lateral movements. When a lane shift is detected, the screen immediately turns red, accompanied by a "Lane Shift Detected" message to notify the driver of the drift. The direction of the shift (left or right) is recorded with a timestamp for future review. To enhance situational awareness, the app offers customizable sound alerts and push notifications, which can be enabled or disabled based on user preferences. This feature ensures drivers receive timely alerts without the need to constantly check the screen, promoting a hands-free, distraction-free experience.

The geomagnetic sensor monitors real-time speed changes, recording both the current and previous speeds along with the speed drop percentage. Whenever a speed change is detected, the app logs these values with a timestamp, providing the driver with detailed feedback on their driving behavior. All lane shifts and speed changes are recorded and stored locally, creating a comprehensive event history for drivers to review and analyses their past driving patterns. Each log entry includes key details such as the lane shift direction, current and previous speeds, speed drop percentage and corresponding timestamps, enabling users to identify unsafe behaviors and work towards improving their driving habits over time.

The app features an intuitive user interface that streamlines navigation, delivering a clear, realtime display of the current speed, lane shift direction, and recent events. It enhances driving safety by providing audio notifications and visual alerts, allowing drivers to remain informed without needing to engage in constant interaction.

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In summary, this innovative Android application represents a substantial advancement in driver safety technology, offering sophisticated monitoring tools that are accessible to all drivers, irrespective of their vehicle type. By utilizing smartphone sensors, the app significantly enhances situational awareness through real-time alerts and promotes responsible driving behaviors through comprehensive performance tracking. Its intuitive interface and customizable features empower drivers to tailor the app to their specific needs, fostering a safer driving environment. As road safety continues to be a critical concern, this application exemplifies the potential of technology to empower drivers and reduce accidents, ultimately transforming everyday journeys into safer experiences.

Project Features

Lane Shift Detection helps the driver to stay within the lane, potentially reducing the risk of accidents due to unintentional lane drifting. By using gyroscope and geomagnetic sensor the app provides immediate feedback, helping drivers to correct their behavior in real-time.

Speed Change Detection provides insights into driving behavior, which can be useful for selfassessment or even for parental monitoring of young drivers.

Notification and Alerts ensures the users are aware of their behavior even if they are not actively monitoring the screen, providing a more user-friendly and safer experience.

Problems Being Addressed

Distracted driving many accidents occur because of distracted driving, when drivers unintentionally drift out of their lane or fail to notice a speed change.

Lane Departure Accidents is a major cause, especially on highways. The app's ability to detect lane shifts and alerts the drivers aims to reduce accidents by increasing drivers' awareness

Sudden Speed Changes sudden acceleration and deceleration can be dangerous, especially in congested traffic conditions. By monitoring speed changes, the app can alert drivers to avoid harsh braking or rapid acceleration.

Driver Behavior Analysis provide detailed information on lane shifts and speed changes allow drivers to evaluate their driving style over time.

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8. CONCLUSION

The Scarlet application presents a robust solution to enhance driving safety by leveraging smartphone sensors to detect lane shifts and monitor speed changes. Through the use of the gyroscope sensor, the app accurately identifies lane deviations and provides immediate visual aicrts by changing the screen colour to red, accompanied by a lane shift detection message. The geomagnetic sensor enables reliable speed monitoring, offering insights into speed variations

The app further promotes safer driving habits by giving users the option to enable notifications and audio alerts, ensuring essential information is conveyed without distracting the driver. Additionally, users can access detailed logs of lane shifts, speed changes, and historical driving data, allowing for performance tracking over time. Customization settings, such as enabling or disabling notifications, sound alerts, and database management, empower users to tailor the app

In conclusion, Scarlet bridges the gap between advanced driver assistance systems and smartphone technology, offering an accessible, cost-effective, and user-friendly safety tool for all drivers, regardless of their vehicle type. By facilitating situational awareness and responsible driving behaviour, the application has the potential to reduce accidents and make every day



CERTIFICATE

This is to certify that UPPARA SAI VAMSI – PI8AJ22S126080 has completed the final project work entitled TRIP EXPENSES TRACKER as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our Supervision.

Signature of Internal Guide

Dr. Balamurugan M Associate professor Acharya Institute of Graduate Studies

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Prof. Vivek K. HOD Department of MCA Acharya Institute of Graduate Studies

Department of Computer Am Scalings

Examiner 1:

Contact

Signature of External Guide

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Dr. Gurmani Rais Wandya
Principal
Acharya Institute of Graduate Studies

CERTIFICATE

This is to certify that Sunkara Vamsi Krishna (P18AJ22S126095) has completed the 4th Sem project work entitled Real Estate Listings Website is a result of the bonafide work carried out during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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Mr. Prabhanjan Software developer Scontinent Technologies Pvt Ltd.

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Dr. Gurunath Rao Vaidya Principal Acharya Institute of Graduate Studies



CERTIFICATE

This is to certify that AISWARYA KOTTIYAL – P18AJ22S126071 has completed the final project work entitled TEXT TO IMAGE GENERATION COMBINED WITH GENERATED CAPTION USING OPTIMIZATION TECHNIQUES as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision TAM

Mr. Vivek K
Assistant Professor
Acharya Institute of Graduate Studies

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Department of Computer Applications

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Mr. Vinod E
Chief Technical Officer
EDU Tantr PVT Ltd

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Dr. Gurunath Rao Vaidya

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Acharya Instituto of Graduate Studies Soladevanahalli, Hesareghatia Road (Rengaluru - 500107



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CERTIFICATE

This is to certify that Ajay E Kesling — P18A3228126108 has completed the final project work entitled DRIGHNA TECHNOLOGIES MOBILE APP: ENHANCING SERVICE EXPLORATION AND CUSTOMER ENGAGEMENT IN REAL TIME as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under supervision.

Signature of Internal Guide

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Acharya Institute of Graduate Studies

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CERTIFICATE

This is to certify that AJAY RAJU RAJ C P-P18AJ22S126077 has completed the final project work entitled LLM BASED TOOL FOR GENERATING HUMAN-LIKE RESPONSE TO NATURAL LANGUAGE INPUT as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Balamurugan M
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Mr. Vinoth E

Chief Technical Officer

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CERTIFICATE

This is to certify that AJAY RAJU RAJ C P-P18AJ22S126077 has completed the final project work entitled LLM BASED TOOL FOR GENERATING HUMAN-LIKE RESPONSE TO NATURAL LANGUAGE INPUT as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

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Chief Technical Officer

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CERTIFICATE

This is to certify that Ananya T P- P18AJ22S126005 has completed the final project work entitled REAL-TIME AIR POLLUTION WITH DEEP LEARNING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mrs.FARZEEN BASITH Associate Professor, Dept. MCA Acharya Institute of Graduate Studies Signature of Exte

Mr. VINOTH E Chief Technical Offer Edu Tantr Pvt. Ltd

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CERTIFICATE

This is to certify that Anujith S P18AJ22S126093 has completed the final project work entitled Simplified Urban Parking as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Narasimha Murthy G. K Assistance Professor Acharya Institute of Graduate Studies

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Mr. Vivekangalore - 500 090 HOD Department of MCA

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CERTIFICATE

This is to certify that Ujwal Naik - P18AJ22S126048 has completed the final project work entitled TrackHive-Bug Tracking System For Company as a partial fulfillment of the award of a Masterof Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Balamurugan M

Associate Professor, Dept. MCA

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Prof. Vivek K

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Signature of External Guide

Gajendra Singh

Python Web Developer

For The Next Generation

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CERTIFICATE

This is to certify that Anushree S - P18AJ22S126003 has completed the final project work entitled Extracting Coverage Patterns from Transactional Data Using Cmine as a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Dept. of MCA

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Al Engineer

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Examiner-2:

Department of Computer Application:

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Examinar 1...

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CERTIFICATE

This is to certify that BHARATHKUMAR D - P18AJ22S126069 has completed the final project work entitled Project Management system as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

	Nrushy	
Naras	mha Murthy G K,	
Assist	ant professor,	

Acharya Institute of Graduate Studies

Signature of Internal Guide

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Prof. Vivek K HOD Department of MCA Acharya Institute of Graduate Studies Signature of External Guide

Prabhanjan Shrinivas Puranik, Software developer, Scontinent Technologies Pvt Ltd

Signature of Principal

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Principal

Acharya Institute of Graduate Studies

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CERTIFICATE

This is to certify that L Bhargav Sai -P18AJ22S126113 has completed the final project work entitled
"PASSENGER FLOW PREDICTION IN METRO SYSTEM "as a partial fulfilment of the award of
a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision. Signature of Exter Mr. Vinoth E Prof. Nagaraju M L Chief Technical Officer Assistant professor Acharya Institute of Graduate Studies Edu Tantr Pvt Ltd Achasignature of Principality Studios Signature of THOD Signature of Computer Applicating Solds, Gurunath Rac Valdya Prot Wielk Kol Graduce Study Principal HOD Department of MCA Acharya Institute of Graduate Studies Acharya Institute of Graduate Studies Department of Computer Applications

Examiner 1:

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Examiner 2:

Examiner 2:



CERTIFICATE

This is to certify that DIKSHIT RAJ – P18AJ22S126090 has completed the final project work entitled ONLINE LEARNING PORTAL as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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CERTIFICATE

This is to certify that GAGAN B C - P18AJ22S126027 has completed the final project work entitled BREWMASTER - PERFECTING EVERY BREW as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Dr. Deepti A R

Professor, Dept of MCA

Acharya Institute of Graduate Studies

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GPS Global Technologies

nputer Application Graduate Studies Prof. Vivel Kgstote - 560 090

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Sign of Examiner 2

Department of Computer Application Sign of Exam



CERTIFICATE

This is to certify that RACHAMALLA HAREESH KUMAR REDDY - P18AJ22S126081 has completed the final project work entitled CONTENT AND QUESTION GENERATION FROM BOOK USING LLM, LANG CHAIN, FAISS as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Prof. Nagaraju M L

Assistant Professor

Acharya Institute of Graduate Studies

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Prof. Viveladie - 560 Ct.

HoD, Department of MCA

Sign of Examiner -1:

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Department of Computer Applications

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Ms.Aishwarya M S

Software Developer

Scontitent Technologies of Pvt.Ltd

Acherya Institute of Graduate Studies Pengaluru Principal

Acharya Institute of Graduate Studies

Sign of Examiner -2:



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CERTIFICATE

This is to certify that HARSHITHA V C - P18AJ22S126026 has completed the final project work entitled FINDING WEIGHTED FREQUENT PATTERNS IN TRANSACTIONAL DATABASES USING WFIM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. A R Deepti

Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Signature of Computer Applications
Department of Graduute Studies
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Bargarage - 560 094

HoD, Department of MCA

Acharya Institute of Graduate Studies

Signature of External State
Vinoth E

Chief Technical Officer

Ede Tantr Pvt.Ltd

Signature of Principal

Dr. Gurunath Rao Vaidya

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Sign of Examiner - 2:

Sign of Examiner - 1: VALUED

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CERTIFICATE

This is to certify that JAYASIMHA R ARKACHARI has completed the final project work entitled EXAM HALL VERIFICATION USING QR CODE as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

DR.BALAMURUGAN M Associate Professor

Signature of Internal Guide

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Au Multidimensional Solutions Pvt. ltd

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Acharya PREGERUNATH RAO VAIDYA

Acharya Institute of Graduate Studies

Department of Computer Applications VALUED Sign of Examiner-1:



CERTIFICATE

This is to certify that MANJUSHA KUMARI (USN-P18AJ22S126089) has completed the final project work entitled MULTIPLE FACE RECOGNITION SYSTEM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. FARZEEN BASITH

Professor, Department of MCA

Acharya Institute of Graduate Studies

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Signature of External Guide

Mr. Sunil Kumar

Technical Manager

RCS Technology

Acha De Gurwiath Rao Vaidya

Sologevanshall, Hesaranhar Principal

Acharya Institute of Graduate Studies

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Acharya Institute of Graduate Studies

Department of Computer Applications

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Sign of Examiner 1
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CERTIFICATE

This is to certify that Manoj kumar R - P18AJ22S126O68 has completed the final project work entitled MOBILE SHOP MANAGEMENT as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our provision.

Signature of Internal Guide

Dr. Balamurugan M

Associate Professor

Acharya Institute of Graduate Studies

Romesh

Software Developer

Technofly Solutions

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HOD, Department of MCA

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Acharya Institute of Graduate Studies

Signature of Principal Dr. Gurunath Rao Vaidya

Principal Bengalere

Acharya Institute of Graduate Studies

Department of Computer Applications Sign of Examiner 2 Sign of Examiner



CERTIFICATE

This is to certify that Megha K - P18AJ22S126023 has completed the final project work entitled GEOSPATIAL VISUALIZATION OF POLLUTION DATA USING GEOPANDAS, PLOTLY, AND FOLIUM as a partial fulfillment of the award of a Master of Computer Applications degree, during

the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. NAGARAJU M L

Assistant Professor, Dept. MCA

Institute of Graduate Studies

Signature of Ext

Mr VINOTH E

Chief Technical Officer Acharya

Edn Tantr Pvt. Ltd

Prof. Vivel Mate of Godnar Smort

HOD, Department of MCA

Acharya Institute of Graduate Studies

Signature of Principal

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CERTIFICATE

This is to certify that MIDHUN THOMAS MAMEN - P18AJ22S126074 has completed the final project work entitled CD Impute: Critical Difference Analysis of Imputation Techniques as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Rajesh Rao K Assistant Professor, Dept. MCA Acharya Institute of Graduate Studies Signature of External Guid

Vinoth E

Chief Technical Offer

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HOD Department of MCA

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CERTIFICATE

This is to certify that MUHAMMED AMJAD M - P18AJ22S126115 has completed the final project work entitled Event Management System as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

NHUNGHAY Internal Guide

Narasimha Murthy G K Assistant Professor, Dept. MCA Acharya Institute of Graduate Studies

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Mr. Prabhanjan Chief technical officer Scontinent Technology Pvt Ltd

Signature of Principal tudies acharya kantuta of Statutana Road,

Dr. Gurunally Rac Maidya HOD

Principal

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Acharya Institute of Graduate Studies

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CERTIFICATE

This is to certify that PENUJURI NAGA PRANITHA – P18AJ22S126087 has completed the final project work entitled MOCK INTERVIEW SYSTEM UGING AI/ML AND IMAGE PROCESSING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Dept. of MCA

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Prof. Viver Ratore - 560 09.

HoD, Department of MCA

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Examiner 2.....

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Ms.Aishwarya M S

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Signature of Principal

Dr. Gurunath Rao Vaidya

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CERTIFICATE

This is to certify that Rakhi Kumari- P18AJ22S126086 has completed the final project work entitled MEDIHUB MERN-STACK HEALTH BRIDGE as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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Signature of External Guide

SUNIL KUMAR Trainer RCS Technology

Signature of Principal Shuffles Acharya Institute of Graduase Shuffles

Solo Dr. GURUNATH VAIDYA

Principal

Acharya Institute of Graduate Studies

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CERTIFICATE

This is to certify that Sameer Ahmed H F - P18AJ22S126106 has completed the final project work entitled CLOUD BASED RECRUITMENT APPLICATION as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Rajesh Rao K

Assistant Professor

Acharya Institute of Graduate Studies

N9. 444. 14101 aver Signature of External Guide

Yogamanikanda Raja S N

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Principal

Acharya Institute of Graduate Studies

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Examiner-2:



ACHARYA INSTITUTE OF GRADUATE STUDIES DEPARTMENT OF MCA

CERTIFICATE

Computer Applications degree, during the academic year 2023-2024 under our supervision entitled Gamified Language Leaming as a partial fulfillment of the award of a Master of This is to certify that Saurabh kapasia - P18AJ22S126083 has completed the final project work

Mr. Vivek K Signature of Internal Guide

Signature of External Guide

Acharya Institute of Graduate Studies Assistant Professor

Scontinent Technologies Pvt. Ltd Software Developer Mr. Prabhanjan

Dr. Gurunath Rao Vaidys Signature of Principal

Acharya Institute of Graduate Studies Principal

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Achieva Institute of Graduate Studies

Acharya Instituto of Graduste Studies Solpdevariabelli, Houaraghana Road Bengaturu - Spirito? PRINCIPAL

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CERTIFICATE

This is to certify that SHRIVATSA U SIRDESHPANDE - P18AJ22S126038 has completed the final project work entitled DYNAMIC PRICING STRATEGY USING MACHINE LEARNING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

NARASIMHA MURTHY G K

Assistant Professor

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Signature of External Guide HARISH KUMAR YERAGOLLA AI Engineer EDU TANTR PVT LTD

Signature of HOD ter Applicance.
Acharya institute of Graduute Studies.

Prof. Vivelottore - 560 list
HOD Department of MCA

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Dr. Gurunath Rao Vaidya

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CERTIFICATE

his is to certify that Sindhu H -P18AJ22S126117 has completed the final project work entitled Meeting scheduler and reminder as a partial fulfillment of the award of a Master of Computer Applications tegree, during the academic year 2023-2024 under our supervision.

Internal Guide

Prof. FARZEEN BASITH

Assistant Professor

Acharya Institute of Graduate Studies

Technofly Solution

HAREESH

Technical Manager

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Department of Computer Applications

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Signature of Principal

Acharya InstitutaTH RAO VAIDYA

Principal

Acharya Institute of Graduate Studies



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CERTIFICATE

This is to certify that SNEHA VV - P18AJ22S126067 has completed the final project work entitled FREQUENT SEQUENTIAL PATTERN IN SEQUENCE DATABASE USING SPADE as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Nagaraju M L Assistant Professor, Department of MCA Acharya Institute of Graduate Studies

Pior Vivelence of Graduate Square HOD, Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

MR. Vinoth E Chief technical Officer Edu Tantr Pvt Ltd

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Principal 4 - 580 107

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CERTIFICATE

This is to certify that SREERAG K – P18AJ22S126078 has completed the final project work entitled SIGN LANGUAGE RECOGNITION as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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Assistant Professor, Dept of MCA

Acharya Institute of Graduate Studies

Signature

Mr. Vinoth E

Chief Technical Officer

Edu Tantra Pvt Lmt

Signature of HOD

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Principal

Acharya Institute of Graduate Studies

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This is to certify that Srikant Pandey - P18AJ22S126088 has completed the final project work entitled NAMMA HAAT E-Commerce as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof Vivek K HOD Department of MCA Acharya Institute of Graduate Studies

Signature enter Obmputer Application Acharya Institute of Graduate Studies Bangalore - 560 090

Prof. Vivek K HOD Department of MCA Acharya Institute of Graduate Studies

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Examiner 2...

Signature of External Guide

Sunil Kumar Trainer

Res Technology

Signature of Principal

Dr. Gurunath Rao Vaidya Principal

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Acharya Institute of Graduate Studies Soladevananatii, Hesareghatta Roac Bengaluru - 560107

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CERTIFICATE

This is to certify that SUBHASH H S - P18AJ22S126082 has completed the final project work entitled CLOUD BASED RECRUITMENT APPLICATION as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Dept. of MCA

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Signature of External Guide
Yogamanikanda Raja S N
Salesforce Tech Lead
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Acharya Institute of Graduate Studies
Soladevanahatil, Hecaraghatta Road
Bengaluru - 560107

Sign of Examiner-1:
Examinar 2



CERTIFICATE

This is to certify that SUMIT KUMAR SHARMA (USN-P18AJ22S126112) has completed the final project work entitled MULTIPLE FACE AI ATTENDANCE TRACKER as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K

Professor, Department of MCA

Acharya Institute of Graduate Studies

Signature of Holomputer Application

Mr. Vivek psingeore - 560 094

HoD Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

Mr. Sunil Kumar

Technical Manager

RCS Technology

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies PRINCIPAL

Acharya institute of Graduute Studies Soladovanahatti, Hesaraghatta Road

Bengsluru - 560107

Sign of Examiner 2

Department of Computer Applications Sign of Examiner



CERTIFICATE

This is to certify that UPPARA SAI VAMSI – PI8AJ22S126080 has completed the final project work entitled TRIP EXPENSES TRACKER as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our Sepervision.

Signature of Internal Guide

Dr. Balamurugan M Associate professor Acharya Institute of Graduate Studies

Department of Compoter Application-Segund regret HOP our Sauris Eargolog - 560 0%

Prof. Vivek K. HOD Department of MCA Acharya Institute of Graduate Studies

Department of Computer Anglications

Examiner 1:

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Signature of External Guide

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Signature of Principal
Principal
Acharya Institute of Graduate Studies
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Principal

Acharya Institute of Graduate Studies

Examiner 2:



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Signature of Internal Guide

Dr.Deepti A R

Professor, Dept. of MCA Acharya Institute of Graduate Studies

Signature of HoD Department of Computer Application Profitative deligate of Graduute Studies HoD, Department of Maria

Acharya Institute of Graduate Studies

Sign of Examiner-1VALUED

Examinar 1......

Arun Milua

Signature of External Guide

Mr.Arun Mishra Chief IT Department Tata Steel UISL

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies
PRINCIPAL

Acherya Institute of Graduata Studi Soladevanahelli, Hesaraghatta Roed Bengaluru - 560107



CERTIFICATE

This is to certify that ZAIN AL FAISAL – P18AJ22S126098 has completed the final project work entitled Employee Attendance and Time off Management System as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

> Ntulthy Internal Guide

Narasimha Murthy G K Assistant Professor, Dept. MCA Acharya Institute of Graduate Studies

Department of Computer Applicance
Acharya Institute of Graduato SecuriProfablisherikis.

Department of MCA Acharya Institute of Graduate Studies

External Guide

Mr. Prabhanjan Chief technical officer Scontinent Technology Pvt Ltd

/)

Signature of Principal

Acharya Institute of Graduate Studios

Sopr Gurunath Ray Vaidya HOD Bengaluru - 560 107 Principal

Acharya Institute of Graduate Studies

Sign of Examiner - 1:	Sign of Examiner - 2:
- go or committee	Department of Computer Applications
	VALUED 12/12/1024

Examinar 2



CERTIFICATE

This is to certify that A Welfred Prajwal - P18AJ22S126007 has completed the final project work entitled Finding Frequent Sequential Patterns in Sequence Databases Using PrefixSpan Algorithm as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K
Assistant Professor, Dept of MCA
Acharva Institute of Graduate Studies

Acharya Institute of Graduule Succession Mr. Vivok K

Assistant Professor, Dept of MCA Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examiner 1
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Examinat 2.....

Signature of Externion

Vinoth E
Chief Technical Officer
Edu Tantr Pvt Lmt

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies PRINCIPAL

Acharya Institute of Graduate Studie Soladevanahalli, Hesaraghatta Rosa Bengaluru - 560107



CERTIFICATE

This is to certify that Adireddy Sathwik Reddy – P18AJ22S126079 has completed the final project work entitled Dominant Color Extraction as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Ms. Farzeen Basith Assistant professor Acharya Institute of Graduate Studies

Signature of Charles Application Acharya Institute of Graduate Studies Basigatore - 560 090

Prof. Vivek K HOD Department of MCA Acharya Institute of Graduate Studies Keshava Trainer JSpyders Solutions

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Signature of External Guide

Dr. Gurunath Rao Valdya

Principal

Acharya Institute of Graduate Studies

	Department of Computer Applications
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Examiner 2:



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CERTIFICATE

This is to certify that AKSHAY AP — P18AJ22S126076 has completed the final project work entitled ENHANCING HYBRID NEURALNETWORK FOR DETECTING AI GENERATED TEXT USING LINGUISTIC PATTERN as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide
Dr. Deepti A R
Professor, Dept. of MCA
Acharya Institute of Graduate Studies

Signature of HoD

Prof. Vivek k

HoD, Department of MCA

Acharya Institute of Graduate Studies

Sign of Examiner-1:

Mr. Vinod E
Chief technical Officer
Edu Tantr Pyt Ltd

Signature of Principal Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies
PRINCIPAL

Acharya Institute of Graduate Studies Soladevanahatti, Hesaraghatta Road Bengaturu - 580107



Department Of MCA

Acharya Institute of Graduate Studies

CERTIFICATE

This is to certify that Anusha Jagod - P181J22S126010 has completed the final project work entitled EXPLORING ASSOCIATION RULES IN PATTERN MINING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Graduate Studies

Prof. Vivek K

HoD, Department of MCA

Acharya Institute of Graduate Studies

Department of Computer Applications

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Examinar 2.....

Signature of External

Vinoth E

Chief Technical Officer

Edu Tantr Ventures Pvt. Ltd

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies PRINCIPAL

Acharya Institute of Graduate Studies Soladevanahalli, Hezaraghatta Road Bengaluru - 560107



CERTIFICATE

This is to certify that BAVTIS BASTYANV DIAS – P18AJ22S126004 has completed the final project work entitled Performance Evaluation of PAMI Algorithms as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. NAGARAJU M L

Asst. Professor, Dept. MCA

Acharya Institute of Graduate Studies

Signature of External

Mr. VINOTH E Chief Technical Officer Edu Tantr Pvt. Ltd

Signature of Thomas Application Department of Camputer Application Professional States

HOD Department of MCA

Acharya Institute of Graduate Studies

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Soled Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

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Examinar 1.....

Examinar 2.



CERTIFICATE

This is to certify that DEVARASI RAMI REDDY-P18AJ22S126001 has completed the final project work entitled CROP RECOMMENDATION SYSTEM UASING MACHINE LEARING TECHNIQUES as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Narasimha Murthy GK
Assistant | professor
Acharya Institute of Graduate Studies

Signature of HOD

Department of Computer Applicate
Acharya Institute of Graduute Studies
Profesyayark K560 090

HOD Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

Romesh Trainer

Techno Fly solutions

Date:

Signature of Principal

Acharya Institute of Graduate Studies Soladevenehalti, Hesereghetta Rossi

Br. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

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Department of Computer Applications VALUED A COMPUTED A C

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CERTIFICATE

This is to certify that DHANUSH C (USN-P18AJ22S126014) has completed the final project work entitled A Fog Centric Cloud Secure Scheme as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Department of MCA

Acharya Institute of Graduate Studies

Signature of Hob bepartment of Computer Applications Michaela International Studies Estigatore - 560 090

HoD, Department of MCA

Acharya Institute of Graduate Studies

Department of Computer Applications

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Signature of External Guide

Ms. Josna. F

Cloud Engineer

Webblitz Softwares

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal.

Acharya Institute of Graduate Studies
PRINCIPAL

Acherya Institute of Graduate Studies Soladevanahalli, Hesaraghatia Road Bengaluru - 560107



CERTIFICATE

This is to certify that GIRISH H R (P18AJ22S126025) has completed the final project work entitled PHISHCATCHER: CLIENT-SIDE DEFENSE AGAINST WEB SPOOFING ATTACKS USING MACHINE LEARNING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Prof. Nagaraju M L Assistant Professor Acharya Institute of Graduate Studies Signature of External Guide

Rakshitha, Python Developer, webblitz Software.

Signature Col. HOD Application. Acharya Institute of Graduate Studies Mr. Visiglade, 560 090

 HOD Department of MCA, Acharya Institute of Graduate Studies.

Graduate Studie: Acharya haballi, Hesincipat la Road charya mahalii. He 560 107 Sol Dr. Garunath Rao Vaidya,

Principal

Acharya Institute of Graduate.

Department of Computer Applications



CERTIFICATE

This is to certify that Gopika T P18AJ22S126073 has completed the final project work entitled "VENDOR RECOMMENDATION SYSTEM" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Farzeen Basith Assistant Professor Acharya Institute of Graduate Studies

Signature of HOD

Prof. Vivek HOD Department of MCA Acharya Institute of Graduate Studies Studies Signature of External Guide

Kritasaka

Mr. sivasankar Data Analytics L&T constructions

Signature of Principal

Dr. Gurunath Rao Vaidya Principal Acharya Institute of Graduate

Acharya Institute of Graduate Studies Soledovanahalli, Hosaraghatta Road Bengaluru - 560107

Sign of Examiner - 1:

Sign of Examiner - 2:



CERTIFICATE

This is to certify that Gopika T P18AJ22S126073 has completed the final project work entitled "VENDOR RECOMMENDATION SYSTEM" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Farzeen Basith Assistant Professor Acharya Institute of Graduate Studies

Signature of HOD

Prof. Vivek HOD Department of MCA Acharya Institute of Graduate Studies Studies Signature of External Guide

Mr. sivasankar Data Analytics L&T constructions

Signature of Principal

Dr. Gurunath Rao Vaidya Principal Acharya Institute of Graduate PRINCIPAL

Acharya Institute of Graduate Studies Soledovanahelik Hesaraghatta Road Bengaluru - 560107

Sign of Examiner - 1:

Sign of Examiner - 2:

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CERTIFICATE

This is to certify that **Hemanth Girimath - P18AJ22S126059** has completed the final project work entitled **Text to Sql** as partial fulfillment of the award of a Master of Computer Applications degree, during the year 2023-2024 under our supervision.

Signature of Internal Guide
Narasimha Murthy
Assistant Professor
Acharya Institute of Graduate Studies

Signature of HOD

Proper Vivia Institute of Graduate Studies

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Acharya Institute of Graduate Studies

Signature of External Guide Indranial De Sarkar Al Engineer Ardent

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Signature of Examiner -2:_____



CERTIFICATE

This is to certify that JAYASIMHA R ARKACHARI has completed the final project work entitled EXAM HALL VERIFICATION USING QR CODE as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

DR.BALAMURUGAN M Associate Professor

Signature of Internal Guide

Acharya Institute of Graduate Studies

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Au Multidimensional Solutions Pvt. ltd

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HOD Department of MCA

Acharya Institute of Graduate Studies

Acharya PREGERUNATH RAO VAIDYA

Acharya Institute of Graduate Studies

Department of Computer Applications VALUED Sign of Examiner-1:



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ACHARYA INSTITUTE OF GRADUATE STUDIES

CERTIFICATE

This is to certify that KARTHIK J B (P18AJ22S126017) has completed the final project work entitled "A VERIFIABLE AND FAIR ATTRIBUTE-BASED PROXY RE-ENCRYPTION SCHEME FOR DATA SHARING IN CLOUDS" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Nagaraju M L

Assistant Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

Josna

Software Developer

WebBlitz Software Pvt Ltd

Signature of HOD

Department of Computer Application.
Littly Whithle of Graduate Studies

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Acharya Institute of Graduate Studies

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Soludevanahalit. See 197
Dr. Horundih Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Sign of Examiner - 2:



CERTIFICATE

This istocertifythatKeerthanaTV-P18AJ22S126020has completedthefinalprojectworkentitled REAL TIME CHAT APPLICATION WITH NEWS AND WEATHER FORECASTING as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of InternalGuide

Mr. Vivek K

Assistant Professor

Acharya Institute of Graduate Studies

Signature of HOD

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Acharya Institute of Graduate S.... Prof. Viergladre - 560 090

HOD Department of MCA

Acharya Institute of Graduate Studies

Examiner-1:

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Signature of ExternalGuide

Mrs. N Sowjanya latha
Organizational Manager
Au Multidimensional Solutions

SignatureofPrincipal

Dr.GurunathRaoVaidya

Principal

Acharya Institute of Graduate Studies
PRINCIPAL

Acharya Institute of Graduate Studies
Soladevanahalli, Hesaraghatta Road
Bengaluru - 550107

Examiner- 2:



CERTIFICATE

This is to certify that Keerthi.G - P18AJ22S126015 has completed the final project work entitled "Discovering Knee Osteoarthritis Using CNN Enhanced With Alex Net" as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide
Prof. Rajesh Rao K
Assistant Professor

Acharya Institute of Graduate Studies

Signature HOD

Department of Computer Application

Acharya Institute of Graduate Studies

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Acharya Institute of Graduate Studies

Signature of Principal

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Au Multidimensional Solutions

Mrs. Sowjanya Latha

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Acharya Institute of Graduate Studies

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CERTIFICATE

This is to certify that LAILA R - P18AJ22S126019 has completed the final project work entitled HSE-INCIDENT MANAGEMENT SYSTEM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

DR.BALAMURUGAN.M Acharya Institute of Graduate Studies

Acharya Institute of Graduute State

Bangalore - 500 09-

Prof. Vivek K HOD Department of MCA

Acharya Institute of Graduate Studies

Department of Computer Applications

S. S. LIVE

Signature of External Guide

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Soledevanehelli, Hesaraghetta Rus.
Bengaluru - 560 107
Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies



CERTIFICATE

This is to certify that LAILA R - P18AJ22S126019 has completed the final project work entitled HSE-INCIDENT MANAGEMENT SYSTEM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

DR.BALAMURUGAN.M Acharya Institute of Graduate Studies

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Prof. Vivek K

HOD Department of MCA

Acharya Institute of Graduate Studies

Department of Computer Applications

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Soledevanahalli, Hesaraghatta ho

Sengaluru - 560 107 Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies



DEPARTMENT OF MCA

ACHARYA INSTITUTE OF GRADUATE STUDIES

CERTIFICATE

This is to certify that MADAN B ONKAR - P18AJ22S126021 has completed the final project work entitled FAKE PRODUCT IDENTIFICATION BY QR CODE USING BLOCK CHAIN as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Ms. Farzeen Basith
Assistant Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Signature of Berliputer Application
Achseya Institute of Graduute Studies
Bangalore - 560 090

Prof. Vivek K

HOD Department of MCA

Acharya Institute of Graduate Studies

Acharya Institute of Cincipale Studies Soladevanahalli, Hesaraghalta R Bengaluru - 560 107

Signature of External Guide

Dr. Gurunath Rao Vaidya

Principal

Keerthana

Trainer

Acharya Institute of Graduate Studies

TechCiti Software Consulting Pvt.Ltd

Sign of Examiner - 2: _____



CERTIFICATE

This is to certify that MOHAMMED ADHIL M (USN-P18AJ22S126058) has completed the final project work entitled EMO TALE: SHAPING NARRATIVE TRAJECTORIES WITH READER'S AFFECTIVE STATES as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

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Signature o	of Internal Gui	de

Mr. Vivek K

Assistant Professor, Dept of MCA Acharya Institute of Graduate Studies

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Signature of Mr. Vinoth E.

Chief Technical Officer Edu Tantra Pvt Lmt

Signature of HOD

Acharya Institute of Graditude ... Mr. Vivek K

Assistant Professor, Dept of MCA Acharya Institute of Graduate Studies

Department of Computer Application.
Sign of Examiner 1

Examinar 1.

Examinar 2

Principal

Signature of Principal, Studies Acharya Institute of Gr Soladevanahalli, Hesaraghalt-Dr. Gurunath Rao Vaidya

Acharya Institute of Graduate Studies



CERTIFICATE

This is to certify that NAGAMANI H J (USN-P18AJ22S126029) has completed the final project work entitled MULTIPLE OBJECT DETECTION USING YOLO V3 ALGORITHM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Internal Guide

Prof. Nagaraju M L

Asst. Professor, Department of MCA Acharya Institute of Graduate Studies

Signature of Holl-

Product of Computer April

HoD, Department of MCA

Acharya Institute of Graduate Studies

External Gnide

Mrs. N Sowjanya Latha

Organizational Manager

Au Multidimensional Solutions

Signature of Principal des
Acharya De Gurunath Rao Vaidya
Soladevanatalia - 560 10

Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examiner

Examinar 2

10/12/12/12



CERTIFICATE

This is to certify that Nikhil S - P181J22S126030 has completed the final project work entitled EVALUATION OF APRIORI ALGORITHM PERFORMANCE IN PAMI, MLXTEND, AND EFFICIENT-APRIORI LIBRARIES as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Signature of External

Mr. Vinoth E

Chief Technical Officer

Edu Tantr Ventures Pvt. Ltd.

Stepanmental Code oter Application Acharya Institute of Graduate Station Prof. Vive spater - 580 090

HoD, Department of MCA

Acharya Institute of Graduate Studies

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies
PRINCIPAL

Acharya Institute of Greduate Studies Soledevanahalli, Hesaraghatta Road Bengaluru - 580107





CERTIFICATE

This is to certify that NUTHAN B C (USN-P18AJ22S126031) has completed the final project work entitled SECURE CLOUD DATA DEDUPLICATION WITH EFFICIENT RE-ENCRYPTION as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Department of MCA Acharya Institute of Graduate Studies

Mr. Charge Inglitute of Graduate Station,
HoD, Department of MCA

Acharya Institute of Graduate Studies

Department of Computer Applications

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Examiner 1

Examiner 1

Examiner 2

Signature of External Guide

Ms. Josna Fernandes

Cloud Engineer

Webblitz Softwares

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

PRINCIPAL

Acherya Institute of Graduate Studies Soledevanahalii, Hesaraghatta Road Bengaluru - 560197



CERTIFICATE

This is to certify that POOJA M V - P18AJ22S126042 has completed the final project work entitled FRONESIS: EARLY DETECTION OF ONGOING CYBER-ATTACKSUSING DIGITAL FORENSICS as a partial fulfillment of the award of a Master Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. A R Deepti

Professor, Dept. of MCA

Acharya Institute of Graduate Studies

stitute of Graduate Studes

Acharya Institute of Graduate Studies

ore - 560 090

HoD, Department of MCA

Department of Computer Applications

Sign of Examiner 1

Signature of Principal

Dr. Gurunath Rao Vaidya

Signature of External Guide

Principal

Rakshitha

Software developer

Web Blitz software

Acharya Institute of Graduate Studies

PRINCIPAL

Acharya Institute of Graduate Studies Soladevariahatti, Hesaraghatta Road Bengaluru - 560107



CERTIFICATE

This is to certify that POOLA MEGHANA- P18AJ22S126092 has completed the final project work entitled GOODNESS GIFT as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of	Internal	Guide
D- DAT ARE	TIDYIC A	N M

NP

Associate Professor

Acharya Institute of Graduate Studies

Prof. Vicence 560 094

HOD, Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide
Mr. Keshava

Trainer JSPIDERS

Acharya institute of in Release Bondal Principal Principal Principal Solade Dr. Gurupath Researaghetta Road.
Principal - 560 107

Acharya Institute of Graduate Studies

Sign of Examiner -2:_____



CERTIFICATE

This is to certify that SWEKSHA TRIPATHI - P18AJ22S126104 has completed the final project work entitled Data Driven Decision Making IT Platform as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

CO -A I	
Prof. Nagaraju M L	
Assistant Professor, Dept. MCA	
Acharya Institute of Graduate Studies	1

Signature of Internal Guide

beparture HOP plicatest Acharya Institute of Graduate Studies Rangalore - 560 096

Prof. Vivek K

HOD Department of MCA

Acharya Institute of Graduate Studies

Signature of Extergal Guide

Gajendra Singh

Python Web Developer

For The Next Generation

Signature of Principal Studies Acharya Institute of Gradi Soladevanahalli, Hesaraghatta Road.

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

	Department of Computer Applications	
-	Examiner 1. VALUED	
	Examinar 1.	
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Examiner 2.....

CERTIFICATE



INTERNSHIP CERTIFICATE



THIS IS TO CERTIFY THAT

Akshay AP

Successfully completed a 3 Months of Artificial Intelligence / Data Science internship program at EDU TANTR from July 2024 to October 2024

VINOTH Education Coordinator

#startupindia











VDT EDU TANTR VENTURES PRIVATE LIMITED





CERTIFICATE

This is to certify that ANANDI K – P181J22S126002 has completed the final project work entitled Finding Top K Frequent Subgraphs In Graph Database Using TKG as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Nagaraju M L

Assistant Professor

Acharya Institute of Graduate Studies

Vinoth E

Chief Technical Officer

Signature of Exter

Edu Tantr Ventures Pvt Ltd

Signature of House Applicanol.
Departure of House Studies
Acharya Institute of Graduate Studies
Eargalore - 560 090

Prof. Vivek K

HOD Department of MCA

Acharya Institute of Graduate Studies

Signature of Principal

Principal
Acharya Institute of Graduate Studies
Sola Charling Studies
Bengaluru - 560 107

Principal

Acharya Institute of Graduate Studies

Sign of Examiner.—1: Soft Tolling

Sign of Examiner - 2:_____



CERTIFICATE

This is to certify that Bharatraj D Naik – P18AJ22S126009 has completed the final project work entitled FAST DATA: A Fair, Secure and Trusted Decentralized IIoT Data Marketplace enabled by Blockchain as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide	Signature of External Guide
Prof. Rajesh Rao K	Joshna
rroi. Kajesh Kao K	Joshna
Assistant Professor, Dept. MCA	Software Developer

Signature of HOD

Lapanment of Computer Application
Acharya Institute of Graduate Studies
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Signature of Palincipal Acharya Institute of Graduate Studie Hesaraghatta Road	
Dr. Gurunath Rao Vaidya	

Web Blitz Software

M. Rus

Principal

Acharya Institute of Graduate Studies

1	Department of Computer Applications
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Examiner 2.....



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ACHARYA INSTITUTE OF GRADUATE STUDIES

CERTIFICATE

This is to certify that BINDURANI H R (P18AJ22S126006) has completed the final project work entitled "NEWS SENTIMENT ANALYSIS" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. FARZEEN BASITH

Assistant Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

SHILPA R

Associate Architect

Encora Innovation Labs

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HOD Department of MCA

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Principal

Achary Din Girtmath Raoa Vaidyales Soladevanahalli, Hesaraghatta Road

Principaliru - 560 107

Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examine

Examiner 1.....



CERTIFICATE

This is to certify that DEEVANKUMAR J has completed the final project work entitled MULTIPLE DISEASES PREDICTION USING MACHINE LEARNING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

DR. BALAMURUGAN M
Associate Professor
Acharya Institute of Graduate Studies

Signature of diffolder Application Acharya Institute of Graduite Studies VIVE Englishore 560 090

HOD Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

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Au Multidimensional Solutions Pvt. ltd

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SODR. GURUNATH RAO VAIDYA

Principal

Acharya Institute of Graduate Studies

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Sign of Examiner-2:_____



DEPARTMENT OF MCA

ACHARYA INSTITUTE OF GRADUATE STUDIES

CERTIFICATE

This is to certify that GAGAN B C - P18AJ22S126027 has completed the final project work entitled BREWMASTER - PERFECTING EVERY BREW as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Internal Guide

Dr. Deepti A R

Professor, Dept of MCA

Acharya Institute of Graduate Studies

External Guid

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Flutter Developer 05

GPS Global Technologies

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Isperiation of the dust Studies Acharya Institute of the dust Studies Prof. Vavalloge - 560 090

HoD, Department of MCA

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Acharya Institute of Graduate Studies

Department of Computer Anciestisms

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Acharya Institute of Graduate Studie Soladevanahalli, Hesaraghatta Rose Bengaluru - 560107



CERTIFICATE

This is to certify that GOPI K N P18AJ22S126119 has completed the final project work entitled "EFFICIENT ML ALGORITHM FOR FUTURE GOLD PRICE PREDICTION" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Prof. Nagaraju M L Assistant Professor Acharya Institute of Graduate Studies

Silvepartmentoff H.O.Duter Applications Acharya Institute of Graduate Studies
Prof. Vivestigatore - 560 096.
HOD Department of MCA Acharya Institute of Graduate Studies Software Developer

Techciti Software Consulting

Signature of Principal Studies Acharya institute of Graduate Solutionally Race Valdya Principahgaluru - 560

Acharya Institute of Graduate Studies

Department of Computer Application Sign of Examiner - 1: Examinar 2.....

Sign of Examiner - 2:___



CERTIFICATE

This is to certify that JENCY LANET (USN-P18AJ22S126013) has completed the final project work entitled EFFICIENT PRIVACY PRESERVING CREDIT CARD SCORE as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Internal Guide

Prof. Nagaraju M L

Asst. Professor, Department of MCA Acharya Institute of Graduate Studies

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Prof. Active Not better addition of the Day of the Studies

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External Guides

Mrs. N Sowjanya latha

Organizational Manager

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Acharya Institute of Graduate Studies

Solade Recognitive 560 107

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examiner 1.....

Examinar 1.....



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ACHARYA INSTITUTE OF GRADUATE STUDIES

CERTIFICATE

This is to certify that KAVYA MATHAD (P18AJ22S126018) has completed the final project work entitled "DEDICATED SUPPLIER PORTAL PORTLET FOR SUPPLIER REQUEST FOR QUOTATION (RFQ)" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Prof. Nagaraju M L

Assistant Professor, Dept. of MCA Acharya Institute of Graduate Studies Signature of External G

Vinitha

Project Manager

Pepperl+Fuchs India Pvt Limited

Daguard re Con HODApplication Acharya Institute of Graduute Studies
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HOD Department of MCA

Acharya Institute of Graduate Studies

SoDreGurunath Rad Bengaluru Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examiner

Examinar 1....



CERTIFICATE

This is to certify that PAVAN AV – P18AJ22S126034 has completed the final project work entitled Improving Cardiovascular Disease Prediction: Machine Learning and Cross-Fold Validation as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

NYWWHAY
Signature of Internal Guide

Narasimha Murthy G K
Assistant Professor, Dept of MCA
Acharya Institute of Graduate Studies

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Acharya Institute - 560 090

HOD Department of MCA

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MR. Vinoth

Chief Technical Officer

Edu Tantr Pvt Ltd

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Acharya Institute of Graduate Studies

Sign of Examiner -VALUED

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Sign of Examiner -2:_____



CERTIFICATE

This is to certify that Prathwish U Naik- P18AJ22S126032 has completed the final project work entitled CLIENT TURNOVER ANTICIPATION as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Rajesh Rao K

Assistant Professor, Dept. MCA Acharya Institute of Graduate Studies

Signature ef Acharya Institute of Graduute Studies Bangalore - 560 090

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HOD Department of MCA

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HR

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Principal

Acharya Institute of Graduate Studies

Spaintent of Computer Applications

Examiner 2.....



CERTIFICATE

This is to certify that PURUSHOTHAMA - P18AJ22S126035 has completed the final project work entitled FAKE CURRENCY DETECTION USING MACHINE LEARNING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

NMULTHY Signature of Internal Guide

Narasimha Murthy G K Assistant Professor, Dept. of MCA Acharya Institute of Graduate Studies

Signature of Hopper Application
Vivek K Bangalore - 560 096
HOD, Department of MCA
Acharya Institute of Graduate Studies

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Dr. Gurunath Rao Vaidya Principal

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Acharya Institute of Graduate Studies
Soladevanahalli, Hesaraghatta Road
Bengaluru - 560107

Sign of Examiner – 2: _____



CERTIFICATE

This is to certify that REVANTH V (USN-P18AJ22S126053) has completed the final project work entitled PRIVACY PRESERVING DATA ENCRYPTION STRATEGY FOR BIG DATA IN MOBILE CLOUD COMPUTING as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Balamurugan M

Associate Professor, Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

Ms. Josna Fernandes

Cloud Engineer

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Prof. By Grack K560 096

HoD, Department of MCA

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Signature of Principal

Acharya Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

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Sign of Examiner 1
Examinar 1....

Examinar 2....



CERTIFICATE

This is to certify that Rupa Das - P18AJ22S126057 has completed the final project work entitled E-COMMERCE WEBSITE-USING-MERN-STACK as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Farzeen Basith
Assistant Professor, Dept of MCA
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Acharya Institute of Graduate Studies
Bangalore - 560 090

Prof. Vivek K

HOD Department of MCA
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Signature of External Guide

Sunil Kumar

Software Developer

RCS Technology PVT LTD

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Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

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Examinar 2....



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CERTIFICATE

This is to certify that Samuel Emmanuel Kaunda – P18AJ22S126072 has completed the final project work entitled AI-Enhanced Agricultural System as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Farzeen Basith

Associate Professor

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Signature of 1900 Department of Computer Application

Problem Formation Studies

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Signature of External Guide

Romesh K

Python Developer

Technofly Solutions

Signature of Principal to Studies Acharya Malinal Hasaraghatta Road, Sol Die Gurhall Ragovajdya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

VALUED

Signature of Examiner 1:

Examinar 2.....

Signature of Examiner 2:



CERTIFICATE

This is to certify that Shafir P K - P18AJ22S126050 has completed the final project work entitled TRANSLOOM: SEAMLESS MULTILINGUAL TRANSLATION FOR YOUR WEBSITE as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. BALAMURUGAN M Associate Professor, Dept. MCA Acharya Institute of Graduate Studies Mr. MANSOOR AHMED Founder & CEO Marvix Solutions Pvt. Ltd

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Acharya Institute of Graduate Studies

SolDtevGrahalla Hegarachatta Poad Bengaluru - Seg Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

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CERTIFICATE

This is to certify that SIRISHA M - USN-P18AJ22S126052 has completed the final project work entitled Optimized Proactive Recovery in Erasure-Coded Cloud Storage Systems as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Internal Guide

Prof. Nagaraju M L

Assistant. Professor, Department of MCA

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Prof. Vivek K

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External Guide

Ms. Josna Fernandes

Cloud Engineer

Webblitz Softwares

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Principal

Acharya Institute of Graduate Studies

Sign of Examiner 1



CERTIFICATE

This is to certify that VEERESH B N (USN-P18AJ22S126043) has completed the final project work entitled MUSIC GENERATION USING LSTM NETWORKS as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Internal Guide

Prof. Farzeen Basith

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Computer Application Prof. Va Vetitute of Graduate Studies HoD, Department of MCA

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Mrs. N Sowjanya Latha

Organizational Manager

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of Principal Studies bevanahalli, Hesaraghatta A Dr. Gurunath6Rao yaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

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Examiner 1.....

Examinar 2...



CERTIFICATE

This is to certify that VIPIN VISWANATH – P18AJ22S126070 has completed the final project work entitled TicketSure as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Balamurugan Associate Professor, Dept. MCA Acharya Institute of Graduate Studies Signature of External Guide

Vishnu
Chief Technical Officer
Technindz Pvt. Ltd

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Soladevalahalii, Hesaraghan

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examiner 1

Examinar 1.....

Examinar 2.....



CERTIFICATE

This is to certify that YAMINI K (USN-P18AJ22S126054) has completed the final project work entitled DEEP LEARNING APPROACHES TO PM2.5 DATA: FROM FORCASTING TO INSIGHTS as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide
Dr. BALAMURUGAN M

Associate Professor, Department of MCA

Acharya Institute of Graduate Studies

Signature of HODier Application.
Signature of Graduate Signature,

Prof. Vivel Ke - 560 090

HOD Department of MCA

Acharya Institute of Graduate Studies

Signature of Externa

Mr. HAREESH

AI Engineer

Edu tantr pvt limited

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Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

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CERTIFICATE

This is to certify that ANIK DASGUPTA – P18AJ22S126060 has completed the final project workentitled "Customer Segmentation and Recommendation System for Optimal Sales" as a partial fulfillment of the award of a Master of ComputerApplications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K Head Of the Department Acharya Institute of Graduate Studies

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Mr. Indranil De Sarkar

AI Engineer Ardent Computech Pvt. Ltd.

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Dr. Gurunath Rao Vaidya

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Department of Computer Applications

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Examinar 1

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CERTIFICATE

This is to certify that ANIK DASGUPTA – P18AJ22S126060 has completed the final project workentitled "Customer Segmentation and Recommendation System for Optimal Sales" as a partial fulfillment of the award of a Master of ComputerApplications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K Head Of the Department Acharya Institute of Graduate Studies

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Signature of External Guide
Mr. Indranil De Sarkar

AI Engineer Ardent Computech Pvt. Ltd.

Signature of Principal

Dr. Gurunath Rao Vaidya

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Department of Computer Applications

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CERTIFICATE

This is to certify that APOORVA SM -P18AJ22S126008 has completed the final project work entitled GEMINI AI-POWERED CHATBOT WITH FLASK as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Internal Guide

Prof. FARZEEN BASITH

Assistant Professor

Acharya Institute of Graduate Studies

External Guide

RAVI G

Technical Manager

Bytemate Private Ltd

Prof. VIVEK K

HOD Department of MCA

Acharya Institute of Graduate Studies

Acharya Institute of Graduate Studies

Department of Computer Application



CERTIFICATE

This is to certify that **DARSHAN M MALYA –P18AJ22S126024** has completed the final project work entitled as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K Assistant Professor Acharya Institute of Graduate Studies

Department of Graduate Studies
Acharya Institute of Graduate Studies

Estigatore - 560 CVI;

Mr. Vivek K

HOD Department of MCA

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Department of Computer Application

Examiner 1:_

Examinar 1...

Examinar 2.....

Signature of External Guide

Rakshitha Software developer Web Blitz software

Signature of Principal

Dr. Gurunath Rao Vaidya

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Acharya Institute of Graduate Studies

Acharya Institute of Graduate Studies Soladevanahalli, Hesaraghatta Road Bengaluru - 560107

Examiner 2:



CERTIFICATE

This is to certify that **THARUN - P18AJ22S126044** has completed the final project work entitled **PREDICTING TAXI AND UBER DEMAND IN CITIES** as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K Assistant Professor, Dept. of MCA Acharya Institute of Graduate Studies

Mr. Vivek Bangalore - 560 090.
HOD, Department of MCA

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Signature of Principal
Acharya Institute of Graduate Studies
Solad Pra Culture of Graduate Studies
Principal Solad Principal S

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Techciti Software Consulting

Ms. Keerthana S

Software Developer

Acharya Institute of Graduate Studies

Department of Computer Applications

VALUED

Sign of Examiner – 1:

Examinar 2

Sign of Examiner - 2:



CERTIFICATE

This is to certify that **Deepu G-P181J22S126016** has completed the final project work entitled Finding High Utility Spatial Patterns In Utility Database using HDSHUIM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Rajesh Rao K

Assistant Professor

Acharya Institute of Graduate Studies

Acharya Institute of Graduute Studies

Prof. Vivgelork. 560 090

HOD Department of MCA *

Acharya Institute of Graduate Studies

Signature of

Vinoth E

Chief Technical Officer

Edu Tantr Ventures Pvt Ltd

chaira institute of Graduate Studias

Soladevanahajii Li Rae Vaidya
Dr. Gurunah See Vaidya

Principal

Acharya Institute of Graduate Studies

Department of Computer Applications

VALUED

Signature of Examiner 1

Examinar 2.

Signature of Examiner 2:



CERTIFICATE

This is to certify that Lingesh C-P18AJ22S126063 has completed the final project work Fitness racking dashboard as a partial fulfilment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signatur	e of Inter	nal Guide
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Vivek k,

Assistant professor,

Acharya Institute of Graduate Studies

Signature of HOD

Prof. Vivek K

Examiner-1

HOD Department of MCA

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Dr. Gurunath Rao Vaidya

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Signature of External Guide

Prabhanjan Shrinivas Puranik,

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Software developer,

Signature of Principal

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Examiner-2:



DEPARTMENT OF MCA

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CERTIFICATE

This is to certify that MONISHA S – P18AJ22S126065 has completed the final project work entitled "MA CMP MANAGEMENT TOOL" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Narasimha Murthy G K

Assistant Professor

Acharya Institute of Graduate Studies

Signature of Hoter Application.
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HOD Department of MCA

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Examinar 1......

Examinar 2...

Signature of External Guide

Shravan Shetty

Senior UI Designer

MResult Pvt Ltd

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Dr. Gurunath Rao Vaidya

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PRINCIPAL

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Examiner-2:



CERTIFICATE

This is to certify that NEELAM PUJARI – P18AJ22S126028 has completed the final project work entitled FINDING RECURRING PATTERNS IN TEMPORAL DATABASES USING RPGROWTH as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide
Dr. Deepti A R
Professor, Dept. of MCA

Professor, Dept. of MCA Acharya Institute of Graduate Studies

Signature of HoD

Prof. Vivek k

HoD, Department of MCA

Acharya Institute of Graduate Studies

Sign of Examiner -1:

Signature of External Guide MR. Vinoth E

Chief Technical Officer Edu Tantr Pvt Ltd

Signature of Principal Dr. Gurunath Rao Vaidya

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Sign of Examiner -2:



CERTIFICATE

This is to certify that NILESH KUMAR SINGH (USN-P18AJ22S126105) has completed the final project work entitled Village Connect E-Commerce as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Department of MCA Acharya Institute of Graduate Studies

Mr. 44020 K 560 094

HoD Department of MCA

· Acharya Institute of Graduate Studies

Department of Computer Applications

ign of Examiner 1

Examinar 2.....

Signature of External Guide

Mr. Sunil Kumar

Technical Manager

RCS Technology

Signature of Principal

Dr. Gurunath Rao Vaidya

Principal

Acharya Institute of Graduate Studies PRINCIPAL

Acharya Institute of Graduate Studi . Soladevanahalli, Hesaraghatta Road Bengaluru - 560107



CERTIFICATE

This is to certify that PRADEEP - P18AJ22S126046 has completed the final project work entitled CAR RENTAL SYSTEM as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

MMWHhy Signature of Internal Guide

Narasimha Murthy G K
Assistant Professor, Dept. of MCA
Acharya Institute of Graduate Studie

Department of Computer Applicarms Signatury of Stillule of Graduate Studies, Bangalore - 560 090

Vivek K
HOD, Department of MCA
Acharya Institute of Graduate Studies

Signature of External Guide

HR
Au Multidimensional Solutions Pvt.Ltd

Signature of Principal

Dr. Gurunath Rao Vaidya
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Acharya Institute of Graduate Studies
PRINCIPAL

Acharya Institute of Graduate Studies Soladevanahalli, Hesaraghatta Road Bengaluru - 560107

Sign of Examiner – 2: _____

Sign of Examiner – 1: YELLED



CERTIFICATE

This is to certify that PRAMODH P has completed the final project work entitled FOODZONE.EXPOAPP as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Department of MCA

Acharya Institute of Graduate Studies

Signature of External Guide

Sowjanya

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Acharya Institute of Graduate Studies Soladevanahalli, Hesaraghatta Road Bengaluru - 560107

Sign of Examinar 2

Department of Computer Applications VALUED



CERTIFICATE

This is to certify that PRASAD U - P18AJ22S126045 has completed the final project work. Entitled NAVIGATING SUMMARIZED DOCUMENT USING PASSIVE AGGRESSIVE CLASSIFIER as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Rajesh Rao K

Professor, Dept. of MCA

Acharya Institute of Graduate Studies

Signature of External

Vinoth E

Chief Technical Officer

Edu Tantr Pvt.Ltd

Signature of HUD

Department of Computer Application,

Piching Institute of Graduate Studies

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HOD Department of MCA

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Signature of Principal e Studies
Achapya Institute of Graduale Studies
Achapya Cingingath Racyaidya
Soladevaningaluru - 560 107
Principal

Acharya Institute of Graduate Studies

Sign of Examiner -2:



CERTIFICATE

This is to certify that PREETHI K.R (USN-P18AJ22S126037) has completed the final project work entitled Cryptcloud+: Secure And Expressive Data Access Control For Cloud Storage as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K

Assistant Professor, MCA

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Signature of HOROD

Mr. beparement of Computer Application.
Acharya Institute of Graduate Studies

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Sign of Examiner 1

Examinar 2......

Signature of External Guide

Ms. Josna Fernandes

Cloud Engineer

Webblitz Softwares

Signature of Principal

Dr. Gurunath Rao Vaidya

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Acharya Institute of Graduate Studic Soladevanahalli, Hesaraghatta Road Bengaluru - 560107



CERTIFICATE

This is to certify that PRIYA JAGANNATH PATTAR – P18AJ22S126033 has completed the final project work entitled FREQUENT PATTERN DISCOVERY IN AIR QUALITY TIME SERIES as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Prof. Rajesh Rao K Assistant Professor, Dept. MCA Acharya Institute of Graduate Studies MR. VINOTH E Chief Technical Offer Edu Tantr Pvt. Ltd

Signature o

Signature of HOD

Propagation of Computer Application Acharya Institute of Graduate Studies

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Principal aluru - 550 107

Acharya Institute of Graduate Studies

Department of Computer Applications

Sign of Examiner LYED

Examinar 1.....

Evaminar 2



CERTIFICATE

This is to certify that RAKESH G S (USN-P18AJ22S126056) has completed the final project work entitled Dual Access Control for Cloud-Based Data Storage and Sharing as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Dr. Deepti A R

Professor, Department of MCA

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HoD, Department of MCA

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Dr. Gurunath Rao Vaidya

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Sign of Examiner 2

Department of Computer Applications Sign of Examiner 1 Examinar 1.....



CERTIFICATE

This is to certify that SOMA VAIDEHI - P18AJ22S126047 has completed the final project work entitled RFM Analysis using Python as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

Mr. Vivek K
Assistant Professor
Department of MCA
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Hareesh Kumar
AI Engineer
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Examiner 2:_____



CERTIFICATE

This is to certify that Sujith M S P18AJ22S126061 has completed the final project work entitled "Optimized Aqi Classification in Indian cities using Genetic Algorithms and Smote" as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

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Mr. Akhil Jacob AI Engineer Edu Tantr Pvt Ltd

Acharya Principal Acharya Institute of Graduate Studies

	Department of Computer Applications
	VALUED
Sign o	Examiner 1.1:
	Examinar 2

Sign of Examiner – 2;



DEPARTMENT OF MCA

ACHARYA INSTITUTE OF GRADUATE STUDIES

CERTIFICATE

This is to certify that **Tanuja S V– P18AJ22S126041** has completed the final project work entitled Mitigating Software Integrity with Trusted Computing in a Time Distribution Network as a partial fulfillment of the award of a Master of Computer Applications degree, during the academic year 2023-2024 under our supervision.

Signature of Internal Guide

FARZEEN BASITH

Assistant Professor

Acharya Institute of Graduate Studies

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Java Developer

Techciti Software Solutions

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Signature of Examiner 2

Department of Computer Applications

Signature of Examiner 1

Examinar 1.....

Examinar 2....