



MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Affiliated to Periyar University, Salem.

Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956
Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu.

DEPARTMENT OF COMPUTER SCIENCE

Students Undertaking Field Projects / Internships / In-plant Training / Student Projects

Programme : B.Sc. CS

S.No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
1.	17BCS1003	BALAJI S				✓
2.	17BCS1022	JAGAN K				✓
3.	17BCS1031	LOKESH KUMAR P				✓
4.	17BCS1072	VIGNESH E				✓
5.	17BCS1113	PON DEV CHRISTY S				✓
6.	18BCS1001	ABI R				✓
7.	18BCS1002	ABUTHAHER A				✓
8.	18BCS1003	ARAVINDHAN J				✓
9.	18BCS1004	ARUTSELVAM C				✓
10.	18BCS1005	BALAKRISHNAN S				✓
11.	18BCS1006	BALASUBRAMANI S				✓
12.	18BCS1007	BARATH K				✓
13.	18BCS1008	BHARANIDHARAN M				✓
14.	18BCS1009	BHASKARAN P				✓
15.	18BCS1010	BOOPATHI C				✓
16.	18BCS1011	DEVAKUMAR S				✓
17.	18BCS1012	DHANAPAL N				✓


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S.No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
18.	18BCS1013	DHANISH KUMAR P				✓
19.	18BCS1014	DHINAKARAN P				✓
20.	18BCS1015	DINESH KANNAN S				✓
21.	18BCS1016	DINESHWARAN K				✓
22.	18BCS1017	FARIDULAKTHAR N				✓
23.	18BCS1018	GOKUL M				✓
24.	18BCS1019	GOKUL R				✓
25.	18BCS1020	GOKULNATH D				✓
26.	18BCS1021	GOKULNATH P				✓
27.	18BCS1022	GOVINDHARAJ S				✓
28.	18BCS1023	GURUMOORTHY A				✓
29.	18BCS1024	HARIHARAN M				✓
30.	18BCS1025	HARISHKUMAR R				✓
31.	18BCS1026	JANARTHANAN V				✓
32.	18BCS1027	JAYARAJ B				✓
33.	18BCS1028	JAYASURYA B				✓
34.	18BCS1029	KALANGIYAM J				✓
35.	18BCS1030	KALANITHI J				✓
36.	18BCS1031	KARTHIKEYAN T				✓
37.	18BCS1032	KAVIN S				✓
38.	18BCS1033	KISHOREVARMA R				✓
39.	18BCS1034	LIKHIT KUMAR S S				✓
40.	18BCS1036	MANIKANDAN T				✓
41.	18BCS1038	MANOJPRABAKAR P				✓

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S.No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
42.	18BCS1039	MOHANRAJ S				✓
43.	18BCS1040	MOULITAR N				✓
44.	18BCS1041	MUBARAK BASHA N				✓
45.	18BCS1042	MUKILAN S				✓
46.	18BCS1043	NANDHAKUMAR M				✓
47.	18BCS1044	PARVEZ AHMED A				✓
48.	18BCS1046	PINTUKUMAR S				✓
49.	18BCS1047	PRADAP M				✓
50.	18BCS1048	PRAGADESHWARAN R				✓
51.	18BCS1049	PRAKASH A				✓
52.	18BCS1050	PRASANNA SURYA R				✓
53.	18BCS1051	RAJA G				✓
54.	18BCS1053	RAJARAM R				✓
55.	18BCS1054	RATHINA KUMAR M				✓
56.	18BCS1055	RAVIRAJA S				✓
57.	18BCS1056	SAKTHIVEL R				✓
58.	18BCS1057	SANJAY R				✓
59.	18BCS1058	SANJAY S				✓
60.	18BCS1060	SEENIVASAN V				✓
61.	18BCS1061	SHABARI U S				✓
62.	18BCS1062	SHYAM SHANKAR M				✓
63.	18BCS1063	SOUNDHARYAN V				✓
64.	18BCS1064	SRIDHAR M				✓
65.	18BCS1065	SURENDARAN R				✓


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S.No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
66.	18BCS1066	SURIYA PRAKASH G				✓
67.	18BCS1067	SURYA M				✓
68.	18BCS1068	SURYA V				✓
69.	18BCS1069	TAMILARASAN M				✓
70.	18BCS1071	THANESHVARA P				✓
71.	18BCS1072	THIRUNAVUKKARASU J				✓
72.	18BCS1073	VIJAY P				✓
73.	18BCS1074	VIJAY R				✓
74.	18BCS1075	ABINAYA S E				✓
75.	18BCS1076	ABINAYA T				✓
76.	18BCS1077	BINCY S				✓
77.	18BCS1078	DEEPIKA J				✓
78.	18BCS1079	DHARSHINI V				✓
79.	18BCS1080	ELAMATHI S				✓
80.	18BCS1081	GOKILA PALANIMALAI				✓
81.	18BCS1084	KEERTHANA D				✓
82.	18BCS1085	KEERTHANA R				✓
83.	18BCS1086	LAVANYA N				✓
84.	18BCS1087	MANASA M				✓
85.	18BCS1088	MONIKA P				✓
86.	18BCS1089	NANDHINI M				✓
87.	18BCS1090	PRIYADHARSHINI D				✓
88.	18BCS1091	RUBIKA N R				✓
89.	18BCS1093	SARANYA M				✓


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S.No.	Reg. No.	Name	Field Projects	Internships	In-plant Training	Student Projects
90.	18BCS1094	SENTHAMILARASI C				✓
91.	18BCS1095	SHAKITHA K				✓
92.	18BCS1096	SHALINI S				✓
93.	18BCS1097	SNEHA S				✓
94.	18BCS1098	SRIHARINI K				✓
95.	18BCS1099	SUPPRIYA M				✓
96.	18BCS1101	SUSMITHA R				✓
97.	18BCS1102	SWETHA T				✓
98.	18BCS1103	THANGAMANI D				✓
99.	18BCS1104	VENNILA J				✓

M. Sumanth

Head of the Department

**Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501**

[Signature]
Principal

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Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu.

DEPARTMENT OF COMPUTER SCIENCE

List of students projects - 2020 - 2021

Programme : B.Sc Computer Science

S.No.	Register No.	Name of the Student	Title of the Project
1.	17BCS1003	BALAJI S	Reduce Power Consumption in UASN using Relay Node Placement and Flow Allocation Algorithm
2.	17BCS1022	JAGAN K	Sentiment Analysis of Amazon Reviews and Perception of Product Features
3.	17BCS1031	LOKESH KUMAR P	Travel Bill Tracking System
4.	17BCS1072	VIGNESH E	EMYNOS Next Generation
5.	17BCS1113	PON DEV CHRISTY S	Intelligent Cars
6.	18BCS1001	ABI R	Sentiment Analysis of Amazon Reviews and Perception of Product Features
7.	18BCS1002	ABUTHAHER A	Application for Online Examination
8.	18BCS1003	ARAVINDHAN J	Computer Cloud Security System
9.	18BCS1004	ARUTSELVAM C	PHP Application for Food Wastage Reduction
10.	18BCS1005	BALAKRISHNAN S	Mobile Phone Tracking
11.	18BCS1006	BALASUBRAMANI S	Crime Investigation System
12.	18BCS1007	BARATH K	Build a Mobile Application with the KIVY Python Framework
13.	18BCS1008	BHARANIDHARAN M	Medical Billing System in Java
14.	18BCS1009	BHASKARAN P	Virtual Class Room
15.	18BCS1010	BOOPATHI C	Network Traffic Analysis with Multiple Path Sources Routing
16.	18BCS1011	DEVAKUMAR S	Eye Test Website using PHP
17.	18BCS1012	DHANAPAL N	Blood Tumor Prediction
18.	18BCS1013	DHANISH KUMAR P	E-Placement Management
19.	18BCS1014	DHINAKARAN P	Cake Shop Billing System
20.	18BCS1015	DINESH KANNAN S	Restaurant Processing System
21.	18BCS1016	DINESHWARAN K	Online Auction System
22.	18BCS1017	FARIDULAKTHAR N	Next Generation Emergency Communication
23.	18BCS1018	GOKUL M	Data Analytics Services Framework for Mobile Advertising & Marketing
24.	18BCS1019	GOKUL R	Crime Rate Prediction using Data Mining
25.	18BCS1020	GOKULNATH D	Dynamic Heterogeneous Grid Computing Using Java
26.	18BCS1021	GOKULNATH T	Web Based Application Rules and Schemes
27.	18BCS1022	GOVINDHARAJ S	Online Cost-efficient Customer Recognition System for Retail Analytics
28.	18BCS1023	GURUMOORTHY A	Customer Grocery Sale's Management

S.No.	Register No.	Name of the Student	Title of the Project
29.	18BCS1024	HARIHARAN M	Student Database Management System
30.	18BCS1025	HARISHKUMAR R	Understanding Short Texts Through Semantic Enrichment and Hashing
31.	18BCS1026	JANARTHANAN V	Digital Steganography
32.	18BCS1027	JAYARAJ B	Hypertension using Datamining and Warehouse
33.	18BCS1028	JAYASURYA B	Study Point using .NET
34.	18BCS1029	KALANGIYAM J	Error Control System in Network Environment
35.	18BCS1030	KALANITHI J	Data Mining a Segmentation Analysis of Grocery Shoppers
36.	18BCS1031	KARTHIKEYAN T	Country and Cargo Express Courier Service
37.	18BCS1032	KAVIN S	Online Shopping Management System
38.	18BCS1033	KISHOREVARMA R	Automated Motor Vehicle Driving System
39.	18BCS1034	LIKHIT KUMAR S S	Two Tales in Online Social Networking Privacy
40.	18BCS1036	MANIKANDAN T	Cab Service Management
41.	18BCS1038	MANOJPRABAKAR P	Detecting Rumors on Online Social Networks using Multilayer Auto Encoder
42.	18BCS1039	MOHANRAJ S	Automatic Salt Segmentation with UNET in Python using Deep Learning
43.	18BCS1040	MOULITAR N	Price Comparison Website for Online Shopping
44.	18BCS1041	MUBARAK BASHA N	Student Screen Unlock System
45.	18BCS1042	MUKILAN S	Efficient Maintenance of Patient Details with Cryptography
46.	18BCS1043	NANDHAKUMAR M	Cloud Based Attendance System
47.	18BCS1044	PARVEZ AHMED A	Voice Based Automatic Transport Enquiry System
48.	18BCS1046	PINTUKUMAR S	Email Mailbox Alert System via SMS
49.	18BCS1047	PRADAP M	Vehicle Tracking System using GPS and GSM
50.	18BCS1048	PRAGADESHWARAN R	Digital Library System
51.	18BCS1049	PRAKASH A	Online Crime Reporting Management System
52.	18BCS1050	PRASANNA SURYA R	Medical Shop Stock Maintenance using ASP.net Applications
53.	18BCS1051	RAJA G	Flight Ticket Price Prediction using Python
54.	18BCS1053	RAJARAM R	Image Encryption
55.	18BCS1054	RATHINA KUMAR M	Finding a Course and Allocation Management System
56.	18BCS1055	RAVIRAJA S	Online Organic Health Food Store
57.	18BCS1056	SAKTHIVEL R	Blogger Next Generation Image Gallery in PHP
58.	18BCS1057	SANJAY R	Analyzing Methods to Remove Bad Comments in Facebook
59.	18BCS1058	SANJAY S	Global Communication Media using Java
60.	18BCS1060	SEENIVASAN V	Government Exam Notification System
61.	18BCS1061	SHABARI U S	Digital Steganography
62.	18BCS1062	SHYAM SHANKAR M	Quality Assured Disassembly of Electronic Components for Reuse


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S.No.	Register No.	Name of the Student	Title of the Project
63.	18BCS1063	SOUNDHARYAN V	Virtual Brain using Cloud Computing
64.	18BCS1064	SRIDHAR M	Credit Card Fraud Detection with Machine Learning in Python
65.	18BCS1065	SURENDARAN R	Airline Reservation System
66.	18BCS1066	SURIYA PRAKASH G	Secure Image Data Transferring using Steganography
67.	18BCS1067	SURYA M	Multilevel Security for User Identity Verification using Internet Services
68.	18BCS1068	SURYA V	Android Mobile Application for Metro Rail
69.	18BCS1069	TAMILARASAN M	Women's Safety App using Android
70.	18BCS1071	THANESHVARA P	Mobile Services and Management
71.	18BCS1072	THIRUNAVUKKARASU J	Courier Tracking System
72.	18BCS1073	VIJAY P	Data Duplication Removal using File Checksum with Python
73.	18BCS1074	VIJAY R	Smart ATM Pin Recovery and Smart ATM Transaction Based on Fingerprint Identification
74.	18BCS1075	ABINAYA S E	News Aggregator Web Application
75.	18BCS1076	ABINAYA T	Data Mining for Automated Personality Classification
76.	18BCS1077	BINCY S	Secure Text Transfer using Diffie Hellman Key Exchange Based on Cloud
77.	18BCS1078	DEEPIKA J	Symbol Recognition in Python
78.	18BCS1079	DHARSHINI V	Visual Cryptography using Color Palettes
79.	18BCS1080	ELAMATHI S	Twitter Data Analysis using Hadoop
80.	18BCS1081	GOKILA PALANIMALAI	Air Pollution Monitoring System
81.	18BCS1084	KEERTHANA D	Citizen Card System
82.	18BCS1085	KEERTHANA R	Travel and Tourism Analysis Booking System
83.	18BCS1086	LAVANYA N	Dynamic Routing with Security Consideration using PHP
84.	18BCS1087	MANASA M	Military Data Link Architecture Integration of Intelligent Unmanned Air Vehicle (VAC) with Navy Unit's
85.	18BCS1088	MONIKA P	Group Chat Applications
86.	18BCS1089	NANDHINI M	E-Tendering
87.	18BCS1090	PRIYADHARSHINI D	Anonymous and Traceable Group Data Sharing in Cloud Computing
88.	18BCS1091	RUBIKA N R	Face Identification in Java
89.	18BCS1093	SARANYA M	File Upload, Store and Download using PHP
90.	18BCS1094	SENTHAMILARASI C	Exercise Rehabilitation for Smartphone Addiction
91.	18BCS1095	SHAKITHA K	Medical Sale Predictions
92.	18BCS1096	SHALINI S	Graphical Password Authentication System
93.	18BCS1097	SNEHA S	Heart Disease Prediction using Machine Learning
94.	18BCS1098	SRIHARINI K	Logistics Management System
95.	18BCS1099	SUPPRIYA M	Ration Shop Automation System
96.	18BCS1101	SUSMITHA R (Autonomous)	Farmer's Buddy
97.	18BCS1102	SWETHA T	Encryption Algorithm in Java


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S.No.	Register No.	Name of the Student	Title of the Project
98.	18BCS1103	THANGAMANI D	Data Mining Model Performance of Sales Predictive Algorithm Based on RapidMiner Workflows
99.	18BCS1104	VENNILA J	Education System Online

M. Sreelatha

Head of the Department
Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501

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[Signature]
Principal
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 Kalippatti (PO) - 637 501, Namakkal (DT)

REDUCE POWER CONSUMPTION IN UASN USING RELAY
NODE PLACEMENT AND FLOW ALLOCATION
ALGORITHM

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

S. BALAJI
(17BCS1003)

Under the Guidance of

M rs. M.SUMATHI, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Accredited with Grade 'A' by NAAC & Affiliated to Periyar University

Kalippatti (Po) 637501, Namakkal (Dt)

April / May— 2021

M. Sumathi

Head of the Department,
Department of Computer Science,
Mahendra Arts & Science College,
Kalippatti (PO.) Pin-637 501.

S. Balaji

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MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled " REDUCE POWER CONSUMPTION IN UASN USING RELAY NODE PLACEMENT AND FLOW ALLOCATION ALGORITHM "submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by S. BALAJI (17BCS1003) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

M. Sumathi
22/7/21

Signature of the guide

Mrs. M. Sumathi., M.Sc., M.Phil.,

Assistant Professor

Dept. of Computer Science & Applications,

Mahendra Arts & Science College (Autonomous),

Kalippatti

M. Sumathi
22/7/21

Signature of the HOD

Mrs. M. Sumathi., M.Sc., M.Phil.,

Assistant Professor

Dept. of Computer Science & Applications,

Mahendra Arts & Science College (Autonomous),

Kalippatti

Submitted for VIVA-VOCE examination held on 26-07-2021

M. Sumathi
26/7/21

Internal Examiner

External Examiner

gj

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MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)

M. Sumathi
26/7/21

Head of the Department,

Department of Computer Science

Mahendra Arts & Science College

Kalippatti (PO) Pin 637

SENTIMENT ANALYSIS OF AMAZON REVIEWS AND PERCEPTION OF
PRODUCT FEATURES

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the Mahendra
Arts & Science College (Autonomous)

By

K.JAHAN

(17BCS1022)

Under the Guidance of

Mrs. S. MOHANAPRIYA, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May - 2021

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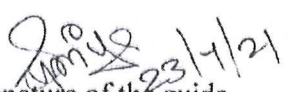
Kalippatti (PO) - 637 501, Namakkal (DT)

M. G. Sumath

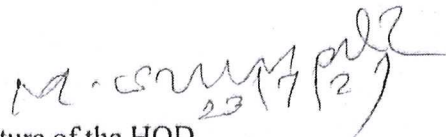
Head of the Department,
Department of Computer Science,
Mahendra Arts & Science College,
Kalippatti (PO.) Pin-637 501.

CERTIFICATE

This is to certified that the project report entitled " SENTIMENT ANALYSIS OF AMAZON REVIEWS AND PERCEPTION OF PRODUCT FEATURES" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by K.JAHAN (17BCS1022) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

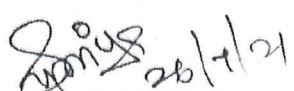

Signature of the guide

Mrs. S.Mohanapriya., M.Sc., M.Phil.,
Assistant Professor
Dept. of Computer Science & Applications,
Mahendra Arts & Science College (Autonomous),
Kalippatti


Signature of the HOD

Mrs. M. Sumathi., M.Sc., M.Phil.,
Assistant Professor
Dept. of Computer Science & Applications,
Mahendra Arts & Science College (Autonomous),
Kalippatti

Submitted for VIVA-VOCE examination held on 26-07-2021

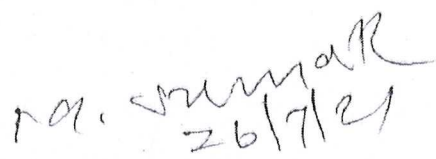

Internal Examiner

External Examiner


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Kalippatti (PO) - 637 501, Namakkal (DT)


Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO) Ptn 637 501

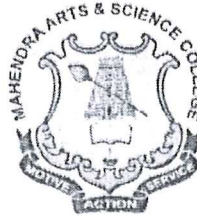
TRAVEL BILL TRACKING SYSTEM

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

LOGESHKUMAR.P
(17BCS1031)

Under the Guidance of
Dr.R.INDHUMATHI,MCA.,M.phil.,Ph.D.



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May - 2021

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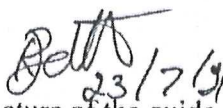
MAHENDRA ARTS & SCIENCE COLLEGE
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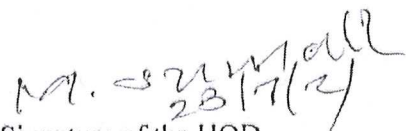
Kalippatti (PO) - 637 501, Namakkal (DT)

Head of the Department,
Department of Computer Science,
Mahendra Arts & Science College,
Kalippatti (PO.) Pin-637 501

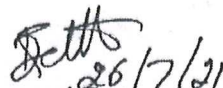
CERTIFICATE

This is to certified that the project report entitled " TRAVEL BILL TRACKING SYSTEM" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **LOGESHKUMAR.P (17BCS1031)** under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


Signature of the guide
Mrs. Dr. R. Indhumathi., MCA., M.Phil., Ph.D.
Assistant Professor
Dept. of Computer Science & Applications,
Mahendra Arts & Science College (Autonomous),
Kalippatti

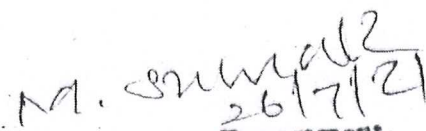

Signature of the HOD
Mrs. M. Sumathi., M.Sc., M.Phil.,
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Kalippatti

Submitted for VIVA-VOCE examination held on 26-07-2021


Internal Examiner

External Examiner


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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)


Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO) Pin 637501

EMYNOS: NEXT GENERATION EMERGENCY COMMUNICATION

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

VIGNESH. E
(17BCS1072)

Under the Guidance of

Mr. G. SATHEESH. M.Sc.,M.Phil.,MA(YHE),,MBA.,MA(HR),,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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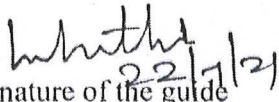
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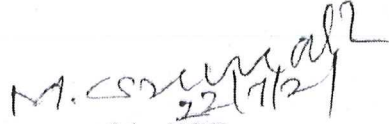
Head of the Department,
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Kalippatti (PO.) Pin-637 501.

CERTIFICATE

This is to certified that the project report entitled " EMYNOS: NEXT GENERATION EMERGENCY COMMUNICATION " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by VIGNESH.E (17BCS1072) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

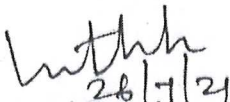

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Mr.G.Satheesh M.Sc.,M.Phil.,MA(YHE),,MA(HR)
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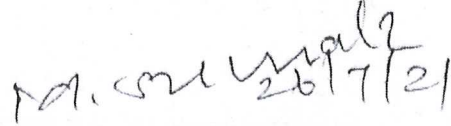
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External Examiner


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Head of the Department,
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Kalippatti (PO.) Pin-637 501

INTELLIGENT CARS

A project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Computer Science to

the

Mahendra Arts & Science College (Autonomous)

By

S. PON DEVA CHRISTY

(Reg.No.17BCS1113)

Under the Guidance of

Mr.N.SURESH,M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE APPLICATIONS

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**Head of the Department,
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Mahendra Arts & Science College,
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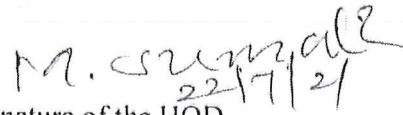
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22/7/21

Signature of the guide
Mr.N.Suresh M.Sc., M.Phil.,
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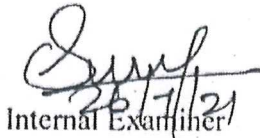
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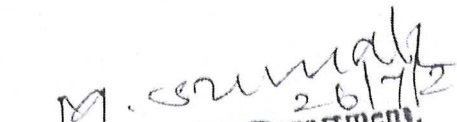
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26/7/21
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**MILITARY DATA LINK ARCHITECTURE INTEGRATION
OF INTELLIGENT UNMANNED AIR VEHICLES(UAV) WITH NAVY UNITS**
A Project submitted in partial fulfillment of the requirements for the degree of
**Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)**

By

R.ABI
(18BCS1001)

Under the Guidance of
M. NAMASIVAYAM MCA., M.Phil.,SET



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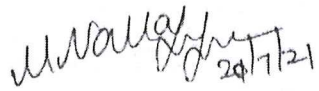
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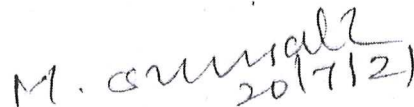
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Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501.


CERTIFICATE

This is to certified that the project report entitled " **Sentiment Analysis of Amazon Reviews and Perception of Product Features**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **ABI R (18BCS1001)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


Signature of the guide
Mr.M.Namasivayam., MCA.,M.Phil.,SET.,
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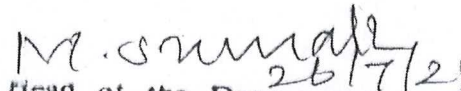

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External Examiner


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ONLINE EXAMINATION

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

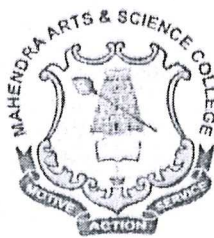
By

A.ABUTHAHER

(Reg.no.18BCS1002)

Under the Guidance of

Mrs.R.UMAMAHESWARI M.SC.,M.phil.,




DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

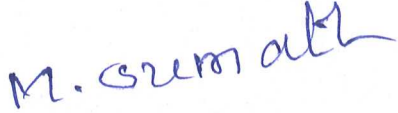
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This is to certified that the project report entitled " **Application for Online Examination** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **ABUTHAHER A (18BCS1002)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

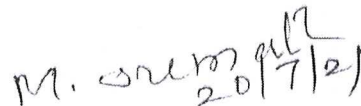

20/7/21

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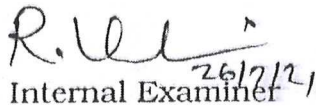
Signature of the HOD

Mrs. M. Sumathi., M.Sc., M.Phil.,

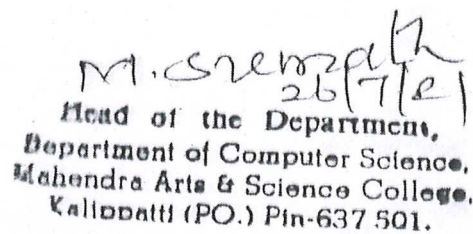
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ONLINE TAXI BOOKING SYSTEM
A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

ARAVINTH J
(Reg.No.18BCS1003)

Under the Guidance of
Mrs. M. GOMATHI. M.Sc., M.Phil.,



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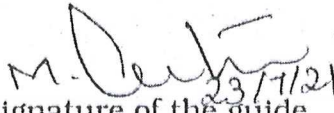
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M. G. Gomathi

Head of the Department
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501.

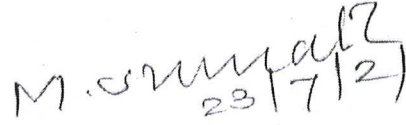
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Signature of the guide

Mrs. M. GOMATHI. M.Sc., M.Phil.

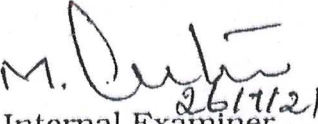
Assistant Professor
Dept. of Computer Science & Applications,
Mahendra Arts & Science College (Autonomous),
Kalippatti


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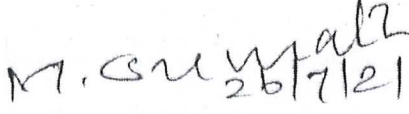
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Submitted for VIVA –VOCE examination held on 26-07-2021.


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Kalippatti (PO) - 637 501, Namakkal (DT)

A PHP APPLICATION FOR FOOD WASTAGE REDUCTION

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

C.ARUTSELVAM (
Reg.No.18BCS1004)

Under the Guidance of
Mrs.M.KARTHIKA,M.Sc., M.Phil.,



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MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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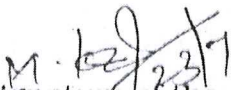
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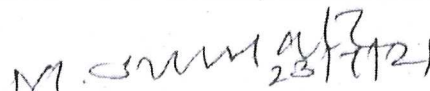
Head of the Department,
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Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501.

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Signature of the guide
Mrs..Karthika,Msc.,M.phil.,B.Ed.,

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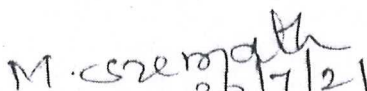

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Submitted for VIVA –VOCE examination held on 26-07-2021.


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MOBILE PHONE TRACKING

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor of
Science in Computer Science to the
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By

S. BALAKRISHNAN

18BCS1005

Under the Guidance of

Dr. E.ELAYARAJA M.Sc.,M.Phil.,Ph D.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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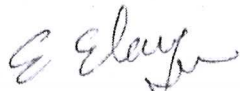
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M. Sreemath
Head of the Department,
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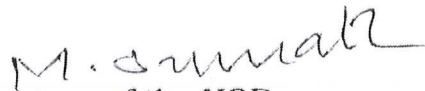
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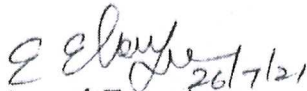


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Mrs. M. Sumathi., M.Sc., M.Phil.,

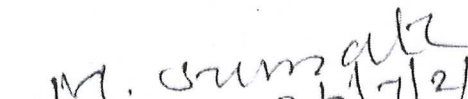
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CRIME INVESTIGATION SYSTEM

A Project submitted in partial fulfillment of the requirements for the degree of
**Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)**

By

**S.BALASUBRAMANI
(Reg. No. 18BCS1006)**

**Under the Guidance of
Mrs. G. VIDHYA M.Sc. M.Phil.,**



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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Kalippatti (Po) - 637501, Namakkal (Dt)

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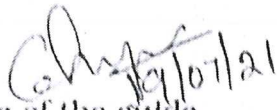
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M. Arumath

Head of the Department
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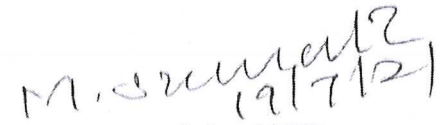
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19/7/21

Signature of the guide

Mrs. G. VIDHYA M.Sc. M.Phil.,

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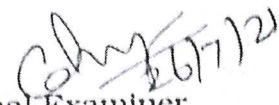

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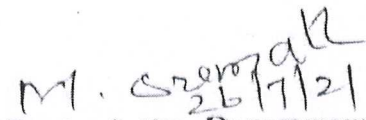
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Submitted for VIVA –VOCE examination held on 26-07-2021.


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External Examiner


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MAHENDRA ARTS & SCIENCE COLLEGE
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Kalippatti (PO) - 637 501, Namakkal (DT)

BUILD A MOBILE APPLICATION WITH THE KIVY PYTHON FRAMEWORK

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor of
Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

BY

BARATH.K
(Reg.No.18BCS1007)

Under the Guidance of
Mr.S.SRINIVASAN MCA.,M.Phil.,



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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May- 2021

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M. Sreemath

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CERTIFICATE

This is to certified that the project report entitled "**Build a Mobile Application with the KIVY Python Framework**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **BARATH K (18BCS1007)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

S. Srinivasan
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MEDICAL BILLING SYSTEM IN JAVA

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
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By

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This is to certified that the project report entitled "**Medical Billing System in Java**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **BHARANIDHARAN M (18BCS1008)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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VIRTUAL CLASSROOM

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
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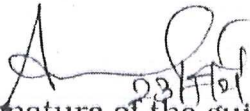
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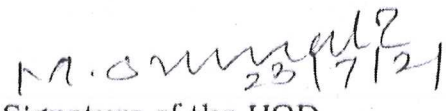
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This is to certified that the project report entitled "Virtual Class Room" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **BHASKARAN P (18BCS1009)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



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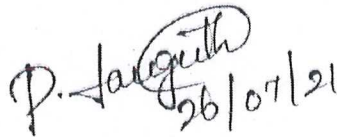
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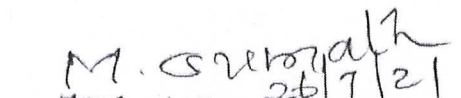
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NETWORK TRAFFIC ANALYSIS WITH MULTIPLE PATH SOURCE ROUTING

A Projectn submitted in partial fulfillment of the requirements for
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By
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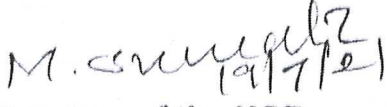
CERTIFICATE

This is to certified that the project report entitled "**Network Traffic Analysis with Multiple Path Sources Routing**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **BOOPATHI C (18BCS1010)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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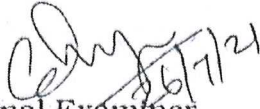
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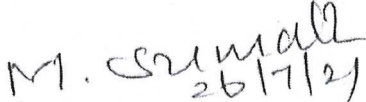

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EYE TEST WEBSITE USING PHP

A Project submitted in partial fulfillment of the requirements for the
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By

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R (18BCS1011)

Under the Guidance of
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This is to certified that the project report entitled "**Eye Test Website using PHP**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **DEVAKUMAR S (18BCS1011)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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BLOOD TUMOR PREDICTION

A Project submitted in partial fulfillment of the requirements for
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By

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(18BCS1012)

UNDER THE GAIDANCE OF

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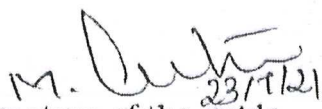
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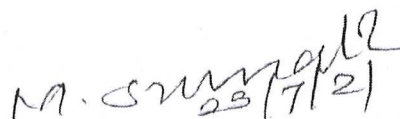
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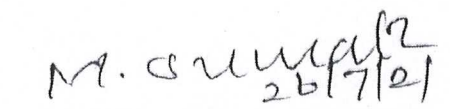
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E-Placement Management

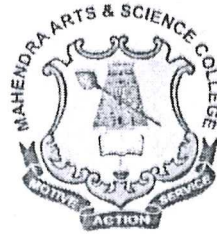
A Project submitted in partial fulfillment of the requirements for the award the degree of
Bachelor of Science in Computer Science Application to the Mahendra Arts & Science
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By

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Under the Guidance of

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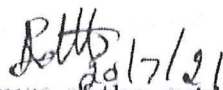
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M. sumath

Head of the Department,
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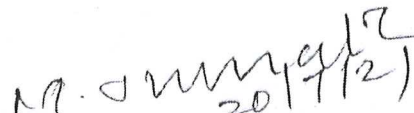
CERTIFICATE

This is to certified that the project report entitled "**E-Placement Management**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **DHANISH KUMAR P (18BCS1013)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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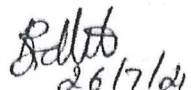
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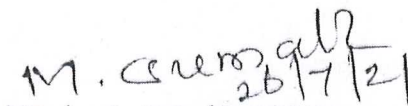
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Cake Shop Billing System

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By
P.DHINAKARAN
(18BCS1014)

Under the Guidance of
Mr .G.SATHEESH.M.Sc.,M.PHIL.,MA(YHIE),MBA.,MA(HR)



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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This is to certified that the project report entitled "**Cake Shop Billing System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **DHINAKARAN P (18BCS1014)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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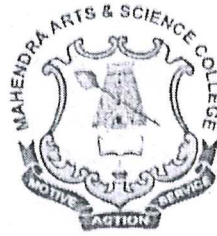
RESTAURANT PROCESSING SYSTEM

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

DINESH KANNAN.S (18BCS1015)

Under the Guidance of
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M. Sumath

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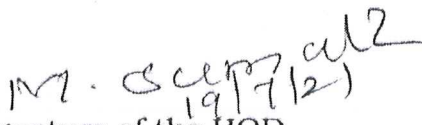
CERTIFICATE

This is to certified that the project report entitled "**Restaurant Processing System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **DINESH KANNAN S (18BCS1015)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


Signature of the guide

Mr. N.SURESH MSc.,M.Phil.,

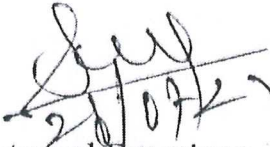
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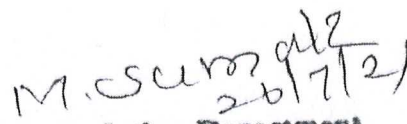
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CRIME RATE PREDICTION

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By
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K 18BCS1016

Under the Guidance of
M. NAMASIVAYAM MCA., M.Phil.,SET



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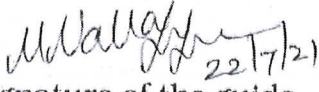
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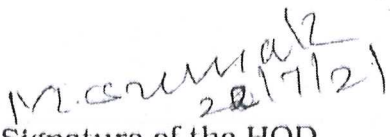
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CERTIFICATE

This is to certified that the project report entitled "**Online Auction System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **DINESHWARAN K (18BCS1016)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

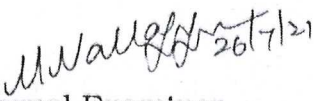

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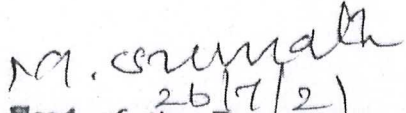

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Submitted for VIVA –VOCE examination held on 26-07-2021.


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PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

NEXT GENERATION EMERGENCY
COMMUNICATION

A Project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Computer Science to
the Mahendra Arts & Science College (Autonomous)

By

FARITHUL AKTHAR.N
(18BCS1017)

Under the Guidance of
Mrs. R.Umamaheswari,M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Accredited with Grade 'A' by NAAC & Affiliated to Periyar University

Kalippatti (Po) - 637501, Namakkal (Dt)

April / May— 2021

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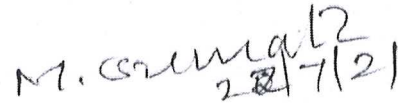
This is to certified that the project report entitled "**Next Generation Emergency Communication**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **FARIDULAKTHAR N (18BCS1017)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



Signature of the guide

Mrs.R.UMAMAHESWARI M.Sc.,M.phil.

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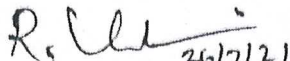


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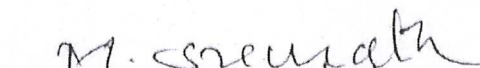
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PRINCIPAL
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DATA ANALYTICS SERVICE FRAMEWORK FOR MOBILE ADVERTISING AND MARKETING

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the Mahendra
Arts & Science College (Autonomous)

By

M.GOKUL

(Reg. No. 18BCS1018)

Under the Guidance of

Mrs.M.GOMATHI, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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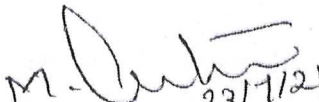
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M. G. G. G. G. G.
**Head of the Department,
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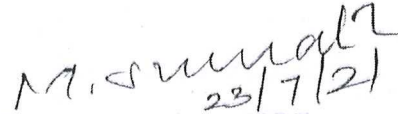
CERTIFICATE

This is to certified that the project report entitled "**Data Analytics Services Framework for Mobile Advertising & Marketing**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **GOKUL M (18BCS1018)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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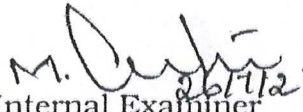
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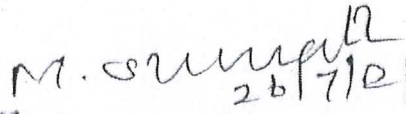
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CRIME RATE AND PREDICTION USING DATA MINING

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

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Under the Guidance Of

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CERTIFICATE

This is to certified that the project report entitled "**Crime Rate Prediction using Data Mining**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **GOKUL R (18BCS1019)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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DYNAMIC HETEROGENEOUS GRID COMPUTING

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor of
Science in Computer Science to the
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By

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Under the Guidance of
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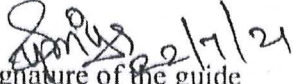
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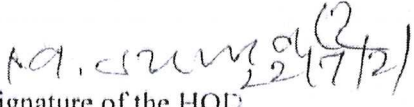
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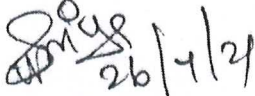
CERTIFICATE

This is to certified that the project report entitled " DYNAMIC HETEROGENEOUS GRID COMPUTING " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by GOKULNATH.D (18BCS1020) under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title and that the dissertation represent independent work on the part of the candidate.


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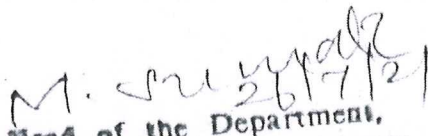

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Internal Examiner

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POOR PEOPLE UPLIFTMENT

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

P.GOKULNATH

(18BCS1021)

Under the Guidance of

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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April / May- 2021

Head of the Department,
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This is to certified that the project report entitled "**Web Based Application Rules and Schemes**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **GOKULNATH P (18BCS1021)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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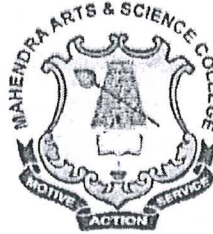
ONLINE COST EFFICIENT CUSTOMER REGONITION SYSTEM FOR RETAIL ANALYTICS

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

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(18BCS1022)

Under the Guidance of
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This is to certified that the project report entitled "**Online Cost-efficient Customer Recognition System for Retail Analytics**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **GOVINDHARAJ S (18BCS1022)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Srinivasan
21/07/2021
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CUSTOMER GROCERY SALES MANAGEMENT SYSTEM

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

A.GURUMOORTHY

(18BCS1023)

Under the Guidance of

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Head of the Department,
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This is to certified that the project report entitled "**Customer Grocery Sale's Management**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **GURUMOORTHY A (18BCS1023)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

P. Sangeetha
20/7/2021

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STUDENT REPORT CARD SYSTEM

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor
of Science in Computer Science to the
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By

M.HARIHARAN
(18BCS1024)

Under the Guidance of
Mrs.T.AMBIKA., M.Sc., M.phil.,



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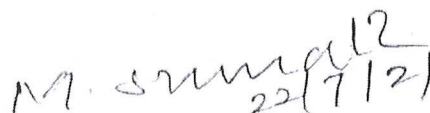
CERTIFICATE

This is to certified that the project report entitled "**Student Database Management System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **HARIHARAN M (18BCS1024)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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M. Sumathi., M.Sc., M.Phil.,

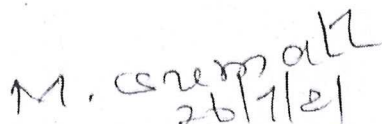
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Submitted for VIVA –VOCE examination held on 26-07-2021.


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UNDERSTANDING SHORTS TEXTS THROUGH SEMANTIC
ENRICHMENT AND HASING

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

R.HARISHKUMAR

(18BCS1025)

Under the Guidance of

Mrs.S.MOHANAPRIYA M.Sc., M.Phil.,



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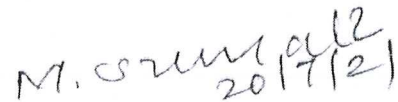
CERTIFICATE

This is to certified that the project report entitled "**Understanding Short Texts Through Semantic Enrichment and Hashing**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **HARISHKUMAR R (18BCS1025)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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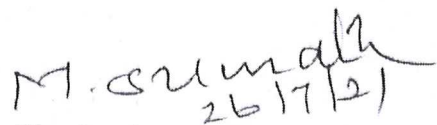
M. Sumathi., M.Sc., M.Phil.,

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Submitted for VIVA –VOCE examination held on 26-07-2021.


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RESTAURANT MANAGEMENT SYSTEM

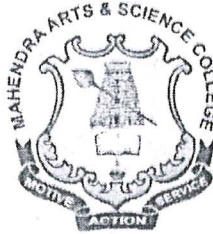
A Project submitted in partial fulfillment of the requirements for the
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(18BCS1026)

Under the Guidance of
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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May- 2021

M. Sumathi

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CERTIFICATE

This is to certified that the project report entitled "RESTAURANT MANAGEMENT SYSTEM" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by JANARTHANAN V (18BCS1026), under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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MAHENDRA ARTS & SCIENCE COLLEGE
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HYPERTENSION USING DATAMINING AND WAREHOUSE

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

B.JAYARAJ

(18bes1027)

Under the Guidance of

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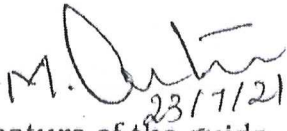
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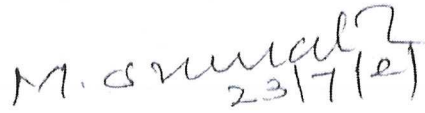
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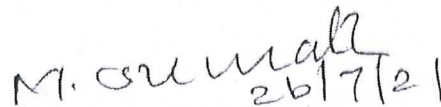
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STUDY POINT USING .NET

A Project submitted in partial fulfillment of the requirements for the degree of
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By

B.JAYASURYA

(18BCS1028)

Under the Guidance of

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DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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This is to certified that the project report entitled "**Study Point using .NET**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **JAYASURYA B (18BCS1028)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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ERROR CONTROL SYSTEM IN NETWORK ENVIRONMENT

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
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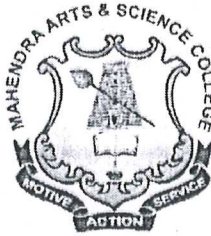
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DATA MINING A SEGMENTATION ANALYSIS OF GROCERY SHOPPERS

A project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Computer Science to

the

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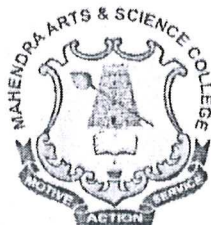
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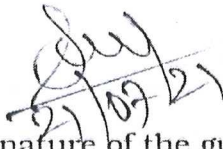
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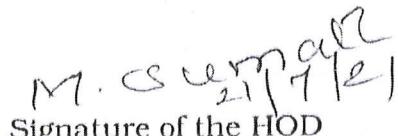
This is to certified that the project report entitled "**Data Mining a Segmentation Analysis of Grocery Shoppers**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **KALANITHI J (18BCS1030)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



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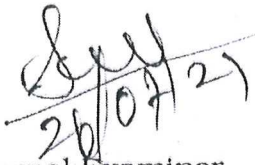


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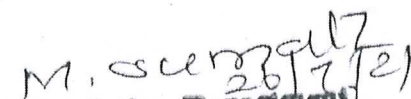
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COUNTRY AND CARGO EXPRESS COURIER SERVICE

A Project submitted in partial fulfillment of the requirements for the
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By

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Under the Guidance of

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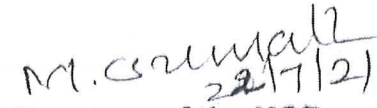
CERTIFICATE

This is to certified that the project report entitled "**Country and Cargo Express Courier Service**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **KARTHIKEYAN T (18BCS1031)**, under my guidance and supervision and It has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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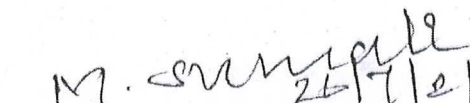
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ONLINE JEWELLERY MANAGEMENT SYSTEM

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
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By

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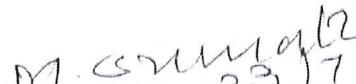
This is to certified that the project report entitled "**Online Shopping Management System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **KAVIN S (18BCS1032)**, under my guidance and supervision and It has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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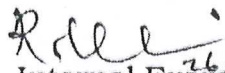

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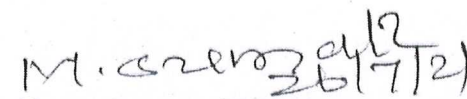
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Automated motor vehicle driving system

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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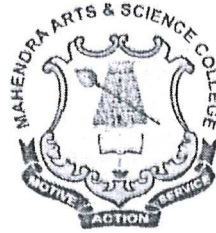
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R.kishorevarma

(REGISTER NUMBER :18BCS1033)

Under the Guidance of

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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May– 2021

M. Sumanth


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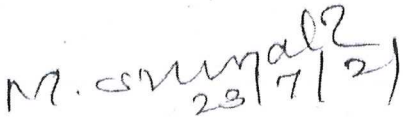
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This is to certified that the project report entitled "**Automated Motor Vehicle Driving System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **KISHOREVARMA R (18BCS1033)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

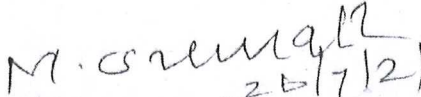

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TWO TALES IN ONLINE SOCIAL NETWORKING PRIVACY

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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R (18BCS1034)

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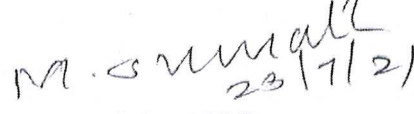
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This is to certified that the project report entitled "**Two Tales in Online Social Networking Privacy**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **LIKHIT KUMAR S S (18BCS1034)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

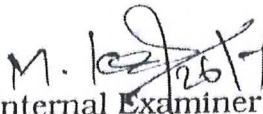

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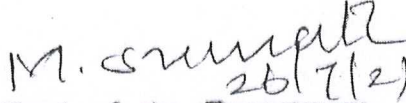

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CAB SERVICE SYSTEM

A Project submitted in partial fulfillment of the requirements for
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By

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(Reg. No. 18BCS1036)

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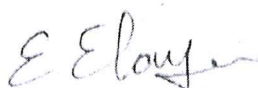
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CERTIFICATE

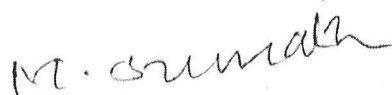
This is to certified that the project report entitled "**Cab Service Management**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MANIKANDAN T (18BCS1036)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



Signature of the guide

Dr. E.ELAYARAJA M.Sc.,M.Phil.,Ph.D.,

Assistant Professor
Dept. of Computer Science & Applications,
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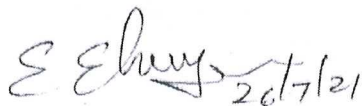


Signature of the HOD

M. Sumathi., M.Sc., M.Phil.,

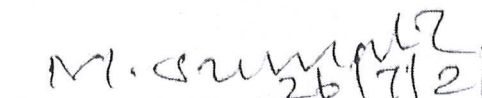
Assistant Professor
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Submitted for VIVA –VOCE examination held on 26-07-2021.



Internal Examiner

External Examiner



Head of the Department
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Kalippatti (PO.) Pin-637 501.



PRINCIPAL
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DETECTING RUMORS ON ONLINE SOCIAL NETWORKS USING MULTILAYER AUTO ENCODER

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science to the Mahendra Arts & Science College (Autonomous)

by

P.MANOJPRABAKAR

(Reg. No. 18BCS1038)

Under the Guidance of

Mrs. G.Vidhya,M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS
MAHENDRA ARTS & SCIENCE COLLEGE (AUTONOMOUS)

Accredited with Grade 'A' by NAAC & Affiliated to Periyar University

KALIPPATTI - 637501.

APRIL / MAY - 2021

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MAHENDRA ARTS & SCIENCE COLLEGE

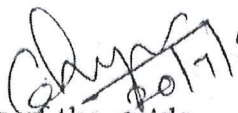
(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)

M. Srinivasan
Head of the Department,
Department of Computer Science
Mahendra Arts & Science College,
Kalippatti (PO.) Pin-637 501.

CERTIFICATE

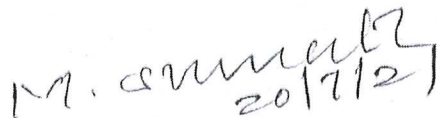
This is to certified that the project report entitled "**Detecting Rumors on Online Social Networks using Multilayer Auto Encoder**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MANOJPRABAKAR P (18BCS1038)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


20/7/21

Signature of the guide

Mrs. G. VIDHYA M.Sc. M.Phil.,

Assistant Professor
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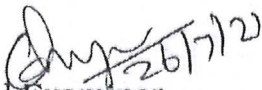

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Signature of the HOD

M. Sumathi., M.Sc., M.Phil.,

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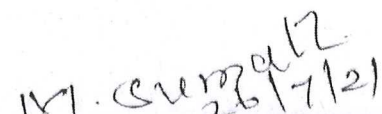
Submitted for VIVA –VOCE examination held on 26-07-2021.


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Internal Examiner

External Examiner




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TELEPHONE DIRECTORY IN JAVA

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science to the Mahendra Arts & Science College (Autonomous)

By

MOHANRAJ.
S (18BCS1039)

Under the Guidance of

Mr.S.SRINIVASAN.,M.C.A.,M.Phil.,



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M. Srinivasan

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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled "**Automatic Salt Segmentation with UNET in Python using Deep Learning**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MOHANRAJ S (18BCS1039)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

S. Srinivasan
20/07/2021
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Submitted for VIVA –VOCE examination held on 26-07-2021.

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PRICE COMPARISON WEBSITE FOR ONLINE SHOPPING

A project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Computer Science to

the

Mahendra Arts & Science College (Autonomous)

By

N.MOULITAR

(Reg.No.18BCS1040)

Under the Guidance of

Mrs. P. SANGEETHA, M.Sc., M.Phil.,



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April / May - 2021

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Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled "**Price Comparison Website for Online Shopping**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MOULITAR N (18BCS1040)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

P. Sangeetha
19/7/2021

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Kalippatti (PO) - 637 501, Namakkal (DT)

STUDENT SCREEN UNLOCK SYSTEM

A Project submitted in partial fulfillment of the requirements for the degree of Bachelor of
Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

MUBARAK BASHA N
(18BCS1041)

Under the Guidance of
Mrs. T . Ambika M.Sc.,M.Phil



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M. Arumath

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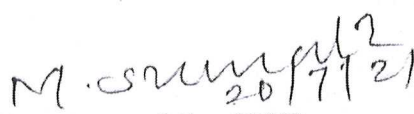
CERTIFICATE

This is to certified that the project report entitled "**Student Screen Unlock System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MUBARAK BASHA N (18BCS1041)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


Signature of the guide

Mrs. T.Ambika.,M.Sc., M.phil.,

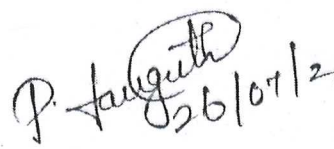
Assistant Professor
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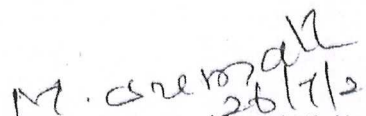
M. Sumathi., M.Sc., M.Phil.,

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EFFICIENT AND SECURE DATA ON MEDICAL PRESERVATIVE

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
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By

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(Reg.No.18BCS1042)

Under the Guidance of
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This is to certify that the project report entitled " **Efficient Maintenance of Patient Details with Cryptography**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MUKILAN S(18BCS1042)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title and that the dissertation represent independent work on the part of the candidate.

S. Mohanapriya
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Kalippatti (PO.) Pin-637 501.

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(Autonomous)

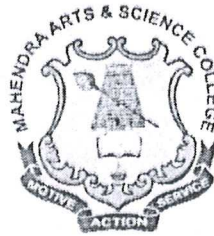
MULTILEVEL SECURITY FOR USER IDENTIFY
VERIFICATION USING INTERNET SERVICE

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

NANDHA KUMAR.M
(18BSC1043)

Under the Guidance of
Mrs.M.SUMATHI,M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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CERTIFICATE

This is to certify that the project report entitled " **Cloud Based Attendance System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **NANDHAKUMAR M(18BCS1043)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associateship and Fellowship or any other similar title and that the dissertation represent independent work on the part of the candidate.

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VOICE BASED AUTOMATIC TRANSPORT ENQUIRY SYSTEM

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the

Mahendra Arts & Science College (Autonomous)

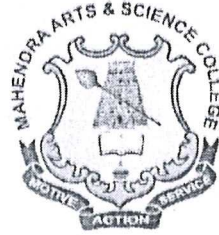
By

PARVEZ AHMED. A

(18BCS1044)

Under the Guidance of

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April / May - 2021

sej

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CERTIFICATE

This is to certified that the project report entitled " **Voice Based Automatic Transport Enquiry System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PARVEZ AHMED A (18BCS1044)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

S. Mohanapriya
23/7/21

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Submitted for VIVA –VOCE examination held on 26-07-2021.

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26/7/21

Internal Examiner

External Examiner

M. Sumathi

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AUTOMATED BUG REPORTING SYSTEM

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Computer Applications to the
Mahendra Arts & Science College (Autonomous)

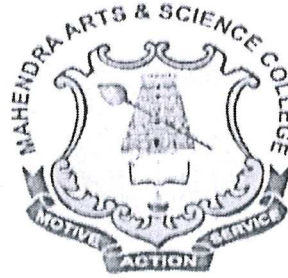
By

PINTU KUMAR S

(18BCS1046)

Under the Guidance of

Dr.R.INDHUMATHI,M.C.A.,M.phil.,Phd.,



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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May- 2021

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M. Indhumathi
Head of the Department,
Department of Computer Science,
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501.

CERTIFICATE

This is to certified that the project report entitled " **Email Mailbox Alert System via SMS**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PINTUKUMAR S(18BCS1046)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Rdtt
20/7/21
Signature of the guide

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Submitted for VIVA –VOCE examination held on 26-07-2021.

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Internal Examiner

External Examiner

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VEHICLE TRACKING SYSTEM USING GPS AND GSM

A Project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Computer Science to the
Mahendra Arts & Science College(Autonomous)

By

PRADAP M

(18BSC1047)

Under the Guidance of

Mr. G. SATHEESH M.Sc., M.Phil.,MA(YHE),,MBA.,M.A(HR),,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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April / May- 2021

M. Annath
**Head of the Department,
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Kalippatti (PO.) Pin-637 501**

[Signature]
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Kalippatti (PO) - 637 501, Namakkal (Dt)**

CERTIFICATE

This is to certified that the project report entitled " **Vehicle Tracking System using GPS and GSM**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PRADAP M (18BCS1047)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

G. Satheesh
22/7/21

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Mr. G. SATHEESH. M.Sc.,M.Phil.,
MA(YHE),MBA.,MA(HR).,
Assistant Professor
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M. Sumathi
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Submitted for VIVA –VOCE examination held on 26-07-2021.

M. Vallabhan
26/7/21

Internal Examiner

External Examiner

M. Sumathi
26/7/21
Head of the Department,
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Kalippatti (PO.) Pin-637 501

[Signature]

PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

TRAVEL BILL TRACKING SYSTEM

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

PRAGADESHWARAN.R
(18BCS1048)

Under the Guidance of
Mr.N.SURESH,M.Sc.,M.phil.,



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Accredited with Grade 'A' by NAAC & Affiliated to Periyar University

Kalippatti (Po) - 637501, Namakkal (Dt)

April / May- 2021

M. Suresh

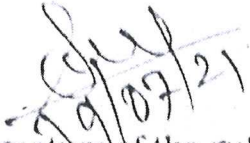
Head of the Department,
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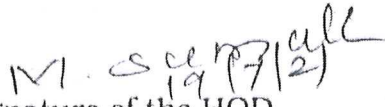
[Signature]

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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

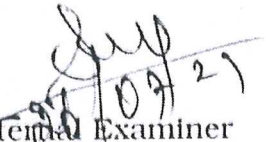
CERTIFICATE

This is to certify that the project report entitled " **Digital Library System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PRAGADESHWARAN R (18BCS1048)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associateship and Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

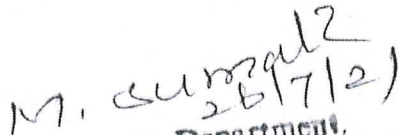

Signature of the guide
Mr. N. SURESH MSc., M.Phil.,
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Signature of the HOD
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Submitted for VIVA –VOCE examination held on 26-07-2021.


Internal Examiner

External Examiner


Head of the Department,
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Kalippatti (PO.) Pin-637 501.


PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

ONLINE CRIME REPORTING MANAGEMENT SYSTEM

A Project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

A.prakash

(REGISTER NUMBER :18BCS1049)

Under the Guidance of

Mr. M. NAMASIVAYAM MCA., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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M. Srinath

Head of the Department,
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April / May- 2021

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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled " **Online Crime Reporting Management System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PRAKASH A (18BCS1049)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

M. Namasivayam
20/7/21

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Submitted for VIVA –VOCE examination held on 26-07-2021.

M. Namasivayam
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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

MEDICAL SHOP STOCK MAINTENANCE USING ASP.NET APPLICATION

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

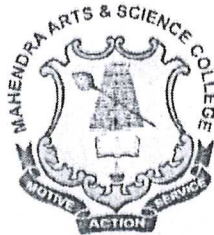
By

R.PRASANNA SURYA

(18BCS1050)

Under the Guidance of

Mrs. R.Umamaheswari M.Sc.,M.Phil.,



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Kalippatti (Po) - 637501, Namakkal (Dt)

April / May - 2021


M. Srinivasan
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2

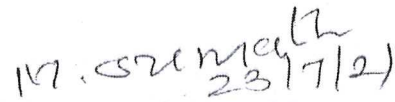
gof
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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled " **Medical Shop Stock Maintenance using ASP.net Applications** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PRASANNA SURYA R (18BCS1050)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

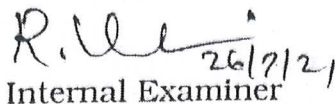

23/7/2021

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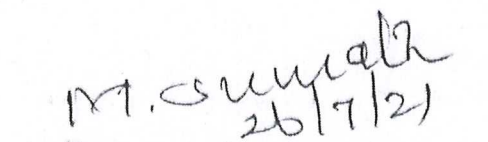

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FLIGHT TICKET PRICE PREDICTION

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

RAJA.G
(18BCS1051)

Under the Guidance of

Mrs. M.Gomathi, M.Sc(IT), M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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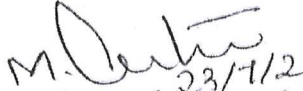
April / May - 2021

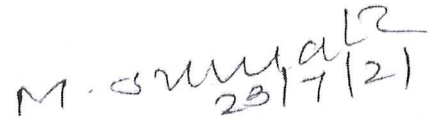
M. Gomathi
Head of the Department,
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Kalippatti (PO.) Pin-637 501.

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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled " **Flight Ticket Price Prediction using Python** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **RAJA G (18BCS1051)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

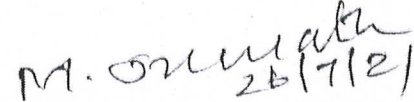

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Kalippatti (PO.) Pin-637 501


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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

IMAGE ENCRYPTION

A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

RAJARAM. R

(18BCS1053)

Under the Guidance of

Mrs. M.Karthika, M.Sc., M.Phil., B.Ed.,



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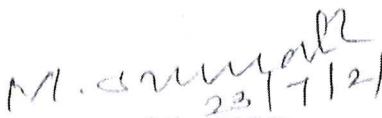
Kalippatti (PO) - 637 501, Namakkal (DT)

Head of the Department,
Department of Computer Science,
Mahendra Arts & Science College,
Kalippatti (PO.) Pin-637 501.


CERTIFICATE

This is to certified that the project report entitled " **Image Encryption** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **RAJARAM R (18BCS1053)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associateship and Fellowship or any other similar title and that the dissertation represent independent work on the part of the candidate.

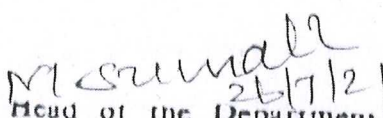

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Kalippatti (PO) - 637 501, Namakkal (DT)

FINDING A COURSE AND ALLOCATION MANAGEMENT SYSTEM

**A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)**

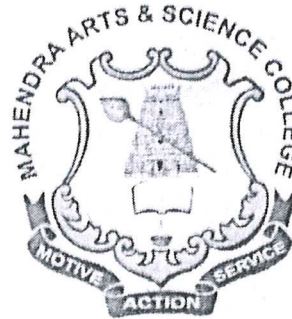
By

M. RATHINA KUMAR

(Reg. No. 18BCS1054)

Under the Guidance of

Dr. E. Elayaraja M.Sc.,M.Phil.,Ph.D.,



**DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS
MAHENDRA ARTS & SCIENCE COLLEGE
(AUTONOMOUS)**

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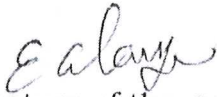
APRIL / MAY - 2021

M. Arunath
**Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501.**

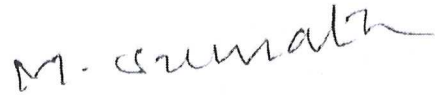
[Signature]
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MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

CERTIFICATE

This is to certified that the project report entitled " **Finding a Course and Allocation Management System** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **RATHINA KUMAR M (18BCS1054)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



Signature of the guide
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Mahendra Arts & Science College (Autonomous),
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Mrs. M. Sumathi., M.Sc., M.Phil.,
Assistant Professor
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Mahendra Arts & Science College (Autonomous),
Kalippatti

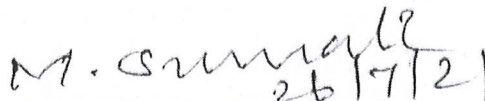
Submitted for VIVA –VOCE examination held on 26-07-2021.



Internal Examiner

External Examiner




Head of the Department,
Department of Computer Science
Mahendra Arts & Science College
Kalippatti (PO.) Pin-637 501

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Kalippatti (PO) - 637 501, Namakkal (DT)

ONLINE ORGANIC HEALTH FOOD STORE

**A Project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)**

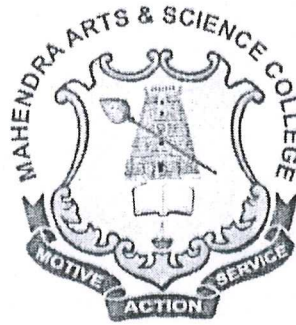
By

S. RAVIRAJA

(Reg. No. 18BCS1055)

Under the Guidance of

Mrs. G. M.Sc.,M.Phil.,



**DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS
MAHENDRA ARTS & SCIENCE COLLEGE
(AUTONOMOUS)**

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University Recognized Under 2(f) & 12(B) of UGC Act, 1956**

KALIPPATTI - 637501.

APRIL / MAY - 2021

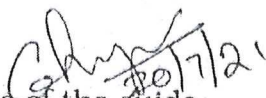
M. S. Ravi
**Head of the Department,
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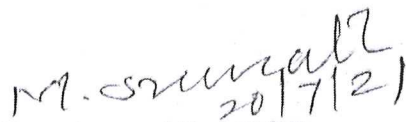
3

[Signature]
**PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501. Namakkal (DT)**

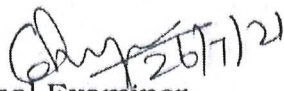
CERTIFICATE

This is to certified that the project report entitled " **Online Organic Health Food Store** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **RAVIRAJA S (18BCS1055)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

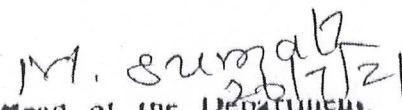

Signature of the guide
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Submitted for VIVA –VOCE examination held on 26-07-2021.


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External Examiner


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PLOGGER NEXT GENERATION PHOTO GALLERY IN PHP

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

R.SAKTHIVEL

(18BCS1056)

Under the Guidance of

Mr. S.SRINIVASAN, MCA.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

Accredited with Grade 'A' by NAAC & Affiliated to Periyar University

Kalippatti (Po) - 637501, Namakkal (Dt)

M. Srinivasan

Head of the Department,
Department of Computer Science
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April / May- 2021

[Signature]

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MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

CERTIFICATE

This is to certified that the project report entitled " **Blogger Next Generation Image Gallery in PHP**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SAKTHIVEL R (18BCS1056)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Srinivasan
23/07/2021
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Internal Examiner

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(Autonomous)
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FACEBOOK REMOVE BAD COMMENTS

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

BY

R.SANJAY

(Reg. No.18BCS1057)

Under the Guidance of

Mrs. P.SANGEETHA, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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Kalippatti (Po) - 637501, Namakkal (Dt)

M. S. Sanjay

Head of the Department,
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April / May- 2021

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(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled " **Analyzing Methods to Remove Bad Comments in Facebook**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SANJAY R (18BCS1057)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

P. Sangeetha
21/7/2021

Signature of the guide

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P. Sangeetha
26/7/21

Internal Examiner

External Examiner

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26/7/21
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Kalippatti (PO) Pin 637 501

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Kalippatti (PO) - 637 501, Namakkal (DT)

GLOBAL COMMUNICATION MEDIA

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

BY

SANJAY.S
(18BCS1058)

Under the Guidance of
Mrs. T.Ambika, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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April / May– 2021

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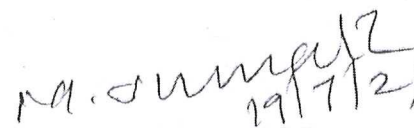
[Signature]
PRINCIPAL
MAHENDRA ARTS & SCIENCE COLLEGE
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CERTIFICATE

This is to certified that the project report entitled " **Global Communication Media using Java**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SANJAY S (18BCS1058)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

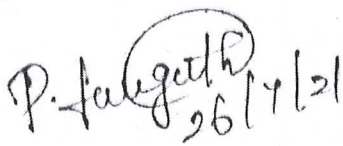

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Dept. of Computer Science & Applications,
Mahendra Arts & Science College (Autonomous),
Kalippatti

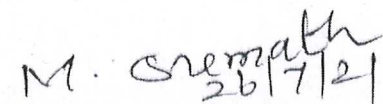

Signature of the HOD
Mrs. M. Sumathi., M.Sc., M.Phil.,

Assistant Professor
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Submitted for VIVA –VOCE examination held on 26-07-2021.


Internal Examiner

External Examiner


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Kalippatti (PO) - 637 501, Namakkal (DT)

GOVERNMENT EXAM NOTIFICATION SYSTEM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

BY

V. SEENIVASAN
(Reg.No.18BCS1060)

Under the Guidance of
Mrs.S.MOHANAPRIYA M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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April / May - 2021

M. Arumath
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CERTIFICATE

This is to certified that the project report entitled " **Government Exam Notification System using PHP**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SEENIVASAN V (18BCS1060)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

S. Mohanapriya
19/7/21

Signature of the guide

Mrs. S.MOHANAPRIYA M.Sc., M.Phil.,

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Dept. of Computer Science & Applications,
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M. Sumathi
19/7/21

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Submitted for VIVA –VOCE examination held on 26-07-2021.

S. Jayaraman
26/7/21

Internal Examiner

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26/7/21
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S. Jayaraman
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DIGITAL STAGANOGRAPHY

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

U.S.SHABARI
(18BCS1061)

Under the Guidance of

Mrs. M. SUMATHI, M.Sc., M.Phil.,



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Head of the Department,
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Kalippatti (PO.) Pin-637 501.

CERTIFICATE

This is to certified that the project report entitled " **Digital Steganography**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SHABARI U S (18BCS1061)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

M. Sumathi
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Submitted for VIVA –VOCE examination held on 26-07-2021.

M. Sumathi
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Internal Examiner

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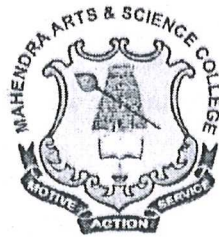
QUALITY ASSURED DISASSEMBLY OF ELECTRONIC COMPONENTS
FOR REUSE

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

M. SHYAM SHANKAR
(18BCS1062)

Under the Guidance of
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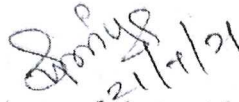
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6

Head of the Department,
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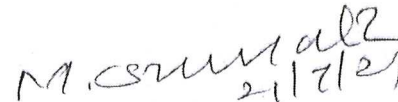
CERTIFICATE

This is to certified that the project report entitled " **Quality Assured Disassembly of Electronic Components for Reuse**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SHYAM SHANKAR M (18BCS1062)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


Signature of the guide

Mrs. S.MOHANAPRIYA M.Sc., M.Phil.,

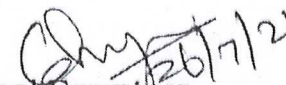
Assistant Professor
Dept. of Computer Science & Applications,
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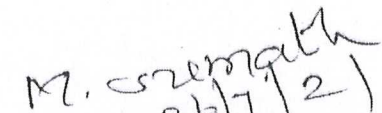
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VIRTUAL BRAIN USING CLOUD COMPUTING

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

V.SOUNDHARYAN
(Reg.No.18BCS1063)

Under the Guidance of

Dr.R.INDHUMATHI, MCA., M. Phil., Ph.D



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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This is to certified that the project report entitled " **Virtual Brain using Cloud Computing**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SOUNDHARYAN V (18BCS1063)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Retha
21/7/21

Signature of the guide

Mrs. Dr. R.Indhumathi.,M.C.A.M.Phil,Ph.D.

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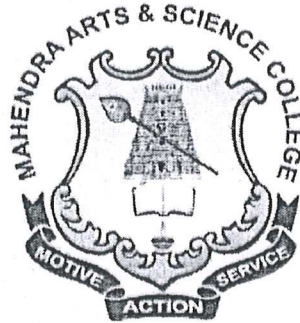
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CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING IN PYTHON

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

by
M.SRIDHAR
(Reg. No. 18BCS1064)

Under the Guidance of
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This is to certified that the project report entitled " **Credit Card Fraud Detection with Machine Learning in Python**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SRIDHAR M (18BCS1064)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Hthh
20/7/21

Signature of the guide

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Assistant Professor
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AIRLINE RESERVATIONS SYSTEM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

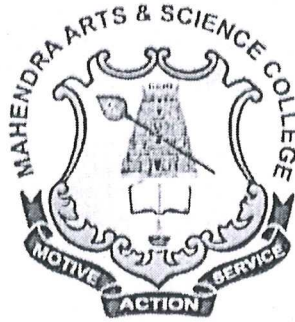
by

SURENDARAN.R

(Reg. No. 18BCS1065)

Under the Guidance of

Mr. N. SURESH, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)

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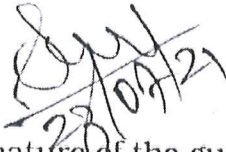
April / May- 2021

M. Suresh
Head of the Department,
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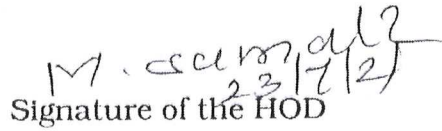
This is to certified that the project report entitled " **Airline Reservations System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SURENDARAN R (18BCS1065)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


28/07/21

Signature of the guide

Mr. N.SURESH MSc.,M.Phil.,

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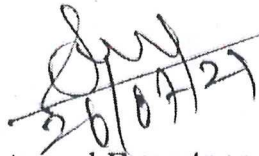

23/7/21

Signature of the HOD

Mrs. M. Sumathi., M.Sc., M.Phil.,

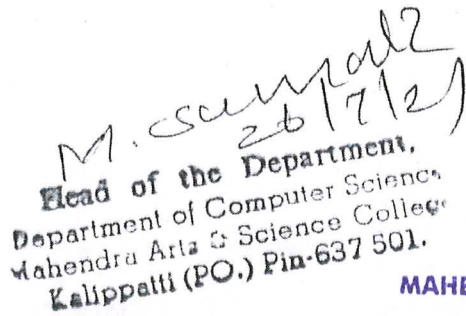
Assistant Professor
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Submitted for VIVA –VOCE examination held on 26-07-2021.


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SECURE IMAGE DATA TRANSFERING USING STEGNOGRAPHY

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

G. SURIYA PRAKASH
(18BCS1066)

Under the Guidance of
Mr. M. NAMASIVAYAM, MCA., M. Phil., SET



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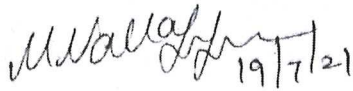
M. Sumath
Head of the Department,
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April / May- 2021

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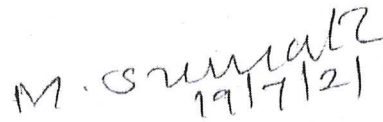
This is to certified that the project report entitled " **Secure Image Data Transferring using Steganography**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SURIYA PRAKASH G (18BCS1066)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


19/7/21

Signature of the guide

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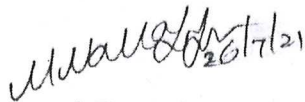

19/7/21

Signature of the HOD

Mrs. M. Sumathi., M.Sc., M.Phil.,

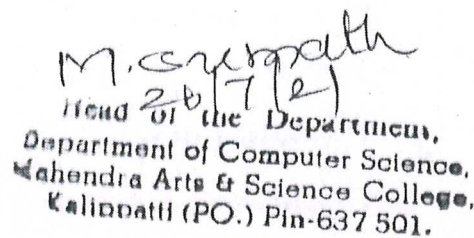
Assistant Professor
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Submitted for VIVA –VOCE examination held on 26-07-2021.


26/7/21

Internal Examiner

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Kalippatti (PO) - 637 501, Namakkal (DT)

MULTI LEVEL SECURITY FOR USER IDENTITY VERIFICATION USING INTERNET SERVICES

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By
M.SURYA
(18BCS1067)

Under the Guidance of
Mrs.R.UMAMAHESWARI M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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Accredited with Grade 'A' by NAAC & Affiliated to Periyar University
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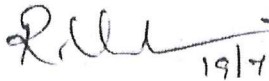
MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)

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M. surya
**Head of the Department,
Department of Computer Science
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CERTIFICATE

This is to certified that the project report entitled " **Multilevel Security for User Identity Verification using Internet Services** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SURYA M (18BCS1067)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



19/7/2021

Signature of the guide
Mrs.R.UMAMAHESWARI M.Sc.,M.phil.,
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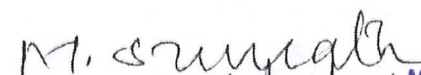

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Android Mobile Application For MetroTrain

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

V.SURYA(1
8BCS1068)

Under the Guidance of

Mrs.M.GOMATHI M.Sc.,M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE APPLICATIONS

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(Autonomous)
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CERTIFICATE

This is to certified that the project report entitled " **Android Mobile Application for Metro Rail**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SURYA V (18BCS1068)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

M. G. G. G.
23/7/21

Signature of the guide

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M. Sumathi
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M. G. G. G.
26/7/21

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External Examiner

M. Sumathi
26/7/21

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Kalippatti (PO) - 637 501. Namakkal (DT)

Women's Safety App Using Android

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

M. TAMILARASAN
(18BCS1069)

Under the Guidance of
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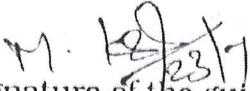
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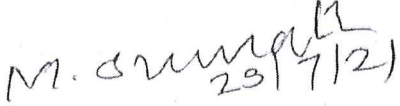
Kalippatti (PO) - 637 501, Namakkal (Dt)

Head of the Department,
Department of Computer Science
Mahendra Arts & Science College,
Kalippatti (PO.) Pin-637 501.

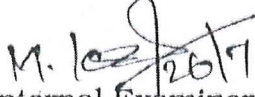
CERTIFICATE

This is to certified that the project report entitled " **Women's Safety App using Android** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **TAMILARASAN M (18BCS1069)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

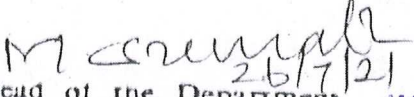

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Submitted for VIVA –VOCE examination held on 26-07-2021.


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MOBILE SERVICES AND MANAGERMENTS

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

THANESHVARA P

18BCS1071

Under the Guidance of

Dr. E.ELAYARAJA M.Sc., M.Phil., Ph.D.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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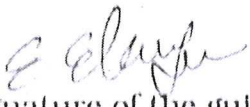
April / May– 2021


M. Sumanth
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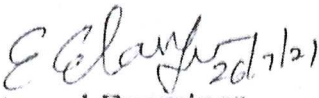
CERTIFICATE

This is to certify that the project report entitled " **Mobile Services and Management**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **THANESHVARA P (18BCS1071)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associateship and Fellowship or any other similar title and that the dissertation represents independent work on the part of the candidate.

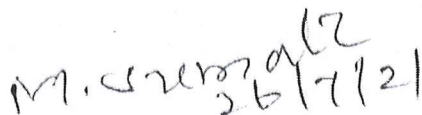

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COURIER TRACKINGSYSTEM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to
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by

J.THIRUNAVUKKARASU

(Reg. No. 18BCS1072)

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M. Arumath


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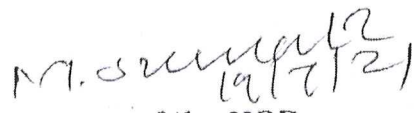
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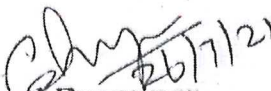
CERTIFICATE

This is to certified that the project report entitled " **Courier Tracking System** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **THIRUNAVUKKARASU J (18BCS1072)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

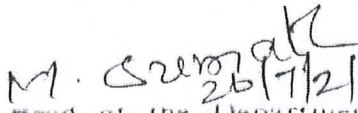

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DATA DUPLICATION REMOVAL USING FILE CHECKSUM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By
VIJAY. P
(18BCS1073)

Under the Guidance of
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CERTIFICATE

This is to certify that the project report entitled " **Data Duplication Removal using File Checksum with Python** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **VIJAY P (18BCS1073)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title and that the dissertation represent independent work on the part of the candidate.

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SMART ATM PIN RECOVERY AND SECURE ATM
TRANSCATIONS BASED ON FINGERPRINT
IDENTIFICATION

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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by

R.VIJAY

(Reg. No. 18BCS1074)

Under the Guidance of

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This is to certified that the project report entitled " **Smart ATM Pin Recovery and Smart ATM Transaction Based on Fingerprint Identification** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **VIJAY R (18BCS1074)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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NEWS AGGREGATOR WEB APPLICATION

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

S. E.ABINAYA

(Reg.No.18BCS1075)

Under the Guidance of

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April / May- 2021

M. Sumanth

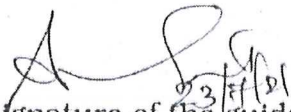
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Kalippatti (PO.) Pin-637 501.

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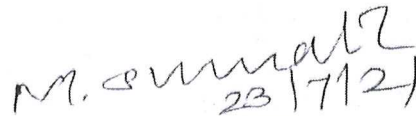
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(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (DT)

CERTIFICATE

This is to certified that the project report entitled " **News Aggregator Web Application** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **ABINAYA S E (18BCS1075)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



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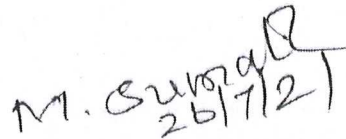
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Submitted for VIVA –VOCE examination held on 26-07-2021.



Internal Examiner

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Kalippatti (PO) - 637 501, Namakkal (DT)

Automated Personality Classification Using Data Mining
Techniques

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By
ABINAYA.T
(18BCS1076)

Under the Guidance of
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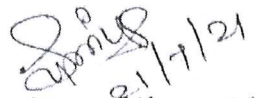
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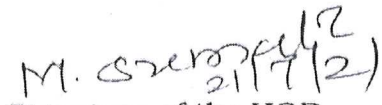
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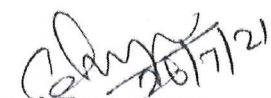
CERTIFICATE

This is to certified that the project report entitled " **News Data Mining for Automated Personality Classification** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **ABINAYA T (18BCS1076)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

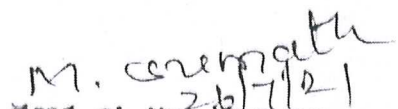

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Secure Text Transfer Using Diffie-Hellman Key Exchange Based on Cloud

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

S.BINCY

(18BCS1077)

Under the Guidance of

Mrs, M.SUMATHI, M.Sc., M.Phil.,



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April / May - 2021

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CERTIFICATE

This is to certified that the project report entitled " **Secure Text Transfer using Diffie Hellman Key Exchange Based on Cloud**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **BINCY S (18BCS1077)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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SYMBOL RECOGNITION

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

DEEPIKA J
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Under the Guidance of
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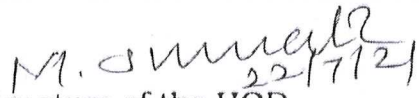
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MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)
Kalippatti (PO) - 637 501, Namakkal (Dt)

CERTIFICATE

This is to certified that the project report entitled " **Symbol Recognition in Python**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **DEEPIKA J (18BCS1078)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



Signature of the guide
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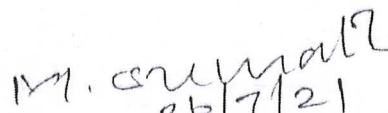
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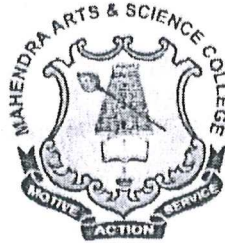
**FINAL VISUAL CRYPHOTOGRAPHY USING COLOUR
PALETTES**

**A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)**

By

**DHARSHINI. V
(18BCS1079)**

**Under the Guidance of
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April / May- 2021

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This is to certified that the project report entitled " **Visual Cryptography using Color Palettes** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by DHARSHNI V (18BCS1079), under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Ratth
20/7/21

Signature of the guide

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M. Sumathi
26/7/21

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(Autonomous)

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TWITTER DATA ANALYSIS USING HADOOP

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By
S.ELAMATHI
(18BCS1080)

Under the Guidance of
Mr. G.SATHEESH, M.Sc., M.Phil., M.A(YHE), M.B.A, M.A(HR)



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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CERTIFICATE

This is to certified that the project report entitled " **Twitter Data Analysis using Hadoo**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **ELAMATHI S (18BCS1080)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

G. Satheesh
19/7/21

Signature of the guide

Mr. G. SATHEESH. M.Sc.,M.Phil.,MA(YHE)., MBA.,MA(HR).,

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AIR POLLUTION MONITORING SYSTEM
USING IOT

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

GOKILA PALANIMALAI

(18BCS1081)

Under the guidance of

N. SURESH, M.Sc., M.Phil.,



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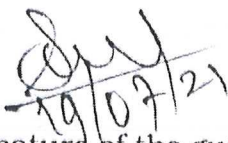
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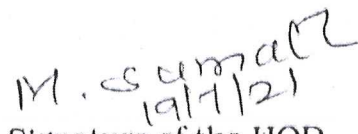
This is to certified that the project report entitled " **Air Pollution Monitoring System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **GOKILA PALANIMALAI (18BCS1081)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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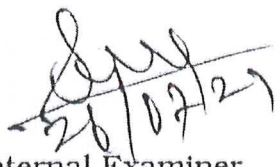

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Signature of the HOD

Mrs. M. Sumathi., M.Sc., M.Phil.,
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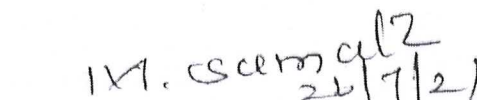
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CITIZEN CARD SYSTEM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

D.KEERTHANA

(Reg.No.18BCS1084)

Under the Guidance of

Mr.M.NAMASIVAYAM,M.C.A.,M.Phil.,SET



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This is to certified that the project report entitled " **Citizen Card System** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **KEERTHANA D (18BCS1084)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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Travel and Tourism Analysis Booking System

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By
R.KEERTHANA
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Under the Guidance of
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M. G. Kumaran

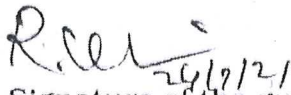
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This is to certified that the project report entitled " **News Travel and Tourism Analysis Booking System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **KEERTHANA R (18BCS1085)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



Signature of the guide

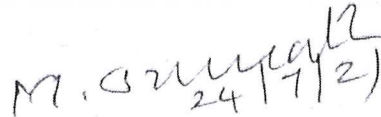
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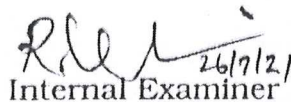
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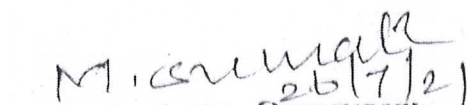
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**DYNAMIC ROUTING WITH SECURITY
CONSIDERATIONS USING PHP**

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

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(18BCS1086)

Under the Guidance of
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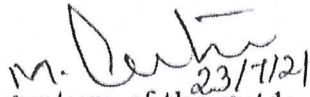
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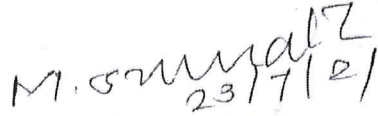
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This is to certified that the project report entitled " **Dynamic Routing with Security Consideration using PHP**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **LAVANYA N (18BCS1086)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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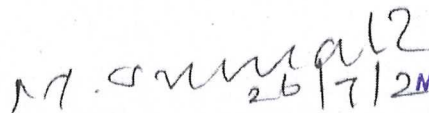

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MILITARY DATA LINK ARCHITECTURE
INTEGRATION
OF INTELLIGENT UNMANNED AIR VEHICLES(UAV) WITH NAVY
UNITS

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

MANASA M
(18BCS1087)

Under the Guidance of
M.KARTHIKA M.Sc. M.Phil.



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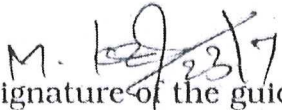
M. Suman
Department of Computer Science
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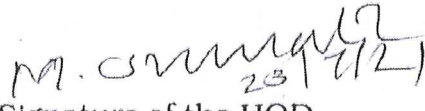
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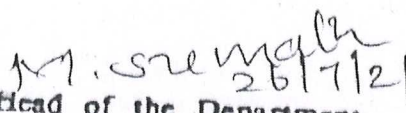
This is to certified that the project report entitled " **Military Data Link Architecture Integration of Intelligent Unmanned Air Vehicle (VAC) with Navy Unit's**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MANASA M (18BCS1087)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


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CHAT APPLICATION USING JAVA

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

P.MONIKA
18BCS1088

Under the Guidance of
Dr. E.ELAYARAJA M.Sc., M.Phil., Ph D.,



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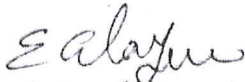
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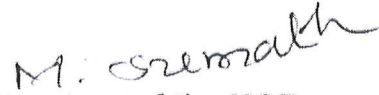
M. Suman
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This is to certified that the project report entitled " **Group Chat Applications**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **MONIKA P (18BCS1088)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

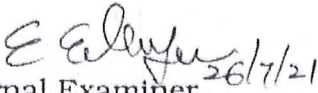


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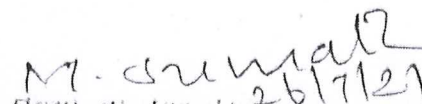
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A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

M.NANDHINI

(18BCS1089)

Under the Guidance of

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Head of the Department,

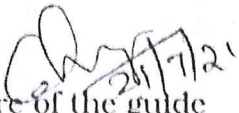
Department of Computer Science

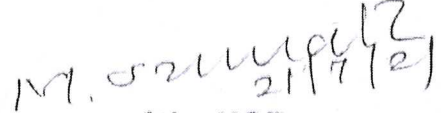
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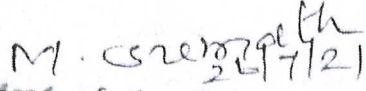
This is to certified that the project report entitled " **E-Tendering**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partfal fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **NANDHINI M (18BCS1089)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.


Signature of the guide
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ANONYMOUS AND TRACEABLE GROUP DATA SHARING IN CLOUD
COMPUTING

A Project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the Mahendra
Arts & Science College (Autonomous)

By

PRIYADHARSHINI.D

(18BCS1090)

Under the Guidance of

Mr. S. SRINIVASAN MCA., M.Phil.,



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This is to certified that the project report entitled " **Anonymous and Traceable Group Data Sharing in Cloud Computing**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **PRIYADHARSHINI D (18BCS1090)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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CRIMINAL FACE IDENTIFICATION SYSTEM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By

RUBIKA.N.R.
(18BCS1091)

Under the Guidance of

Mrs. P. SANGEETHA, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE (Autonomous)
Accredited with Grade 'A' by NAAC & Affiliated to Periyar University
Kalippatti (Po) - 637501, Namakkal (Dt)

M. S. Srinivasan
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April / May - 2021

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CERTIFICATE

This is to certified that the project report entitled " **Face Identification in Java**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **RUBIKA N R (18BCS1091)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

P. Sangeetha
21/7/2021

Signature of the guide
Mrs .P.SANGEETHA M.Sc.,M.Phil.,
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Submitted for VIVA –VOCE examination held on 26-07-2021.

P. Sangeetha
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FILE UPLOAD, STORE AND DOWNLOAD USING PHP

A project submitted in partial fulfillment of the requirements for
the degree of Bachelor of Science in Computer Science to the
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By

M.SARANYA
(18BCS1093)

Under the Guidance of
T.AMBIKA, M.Sc., M.Phil.,



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This is to certified that the project report entitled " **File Upload, Store and Download using PHP** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SARANYA M (18BCS1093)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associateship and Fellowship or any other similar title and that the dissertation represent independent work on the part of the candidate.



Signature of the guide

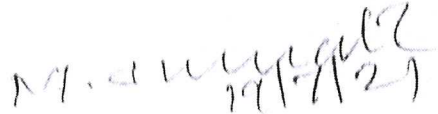
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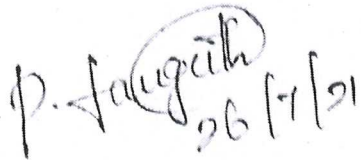
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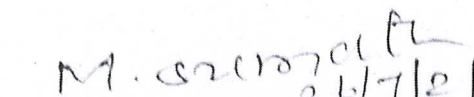
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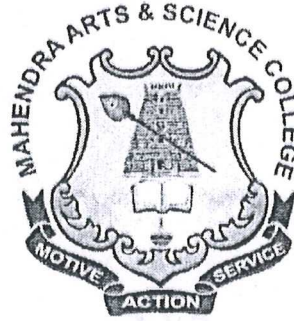
(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)

Smart phone Addiction Recover System and Verification
A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

By
C.SENTHAMILARASI
(Reg. No. 18BCS1094)

Under the Guidance of
Mrs. S.Mohanapriya, M.Sc., M.Phil.,



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This is to certified that the project report entitled " **Exercise Rehabilitation for Smartphone Addiction** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SENTHAMILARASI C (18BCS1094)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

S. Mohanapriya
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Submitted for VIVA –VOCE examination held on 26-07-2021.

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CRIMINAL FACE RECOGNITION SYSTEM USING VISUAL BASIC

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
Mahendra Arts & Science College (Autonomous)

by

SAKITHA.K

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Under the Guidance of
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This is to certified that the project report entitled " **Medical Sale Predictions** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SHAKITHA K (18BCS1095)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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GRAPHICAL PASSWORD AUTHENTICATION SYSTEM

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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by

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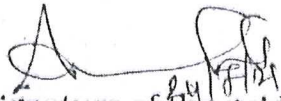
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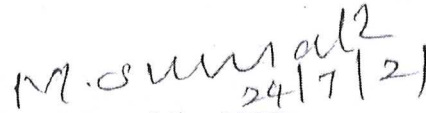
This is to certified that the project report entitled " **Graphical Password Authentication System** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SHALINI S (18BCS1096)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



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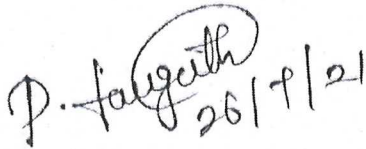


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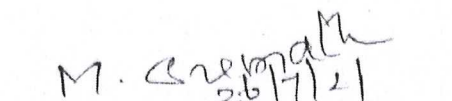
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Health Record of Heart Disease Prediction Using Naive Bayes
Algorithm

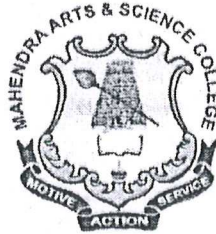
A project submitted in partial fulfillment of the requirements for the
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By

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(18BCS1097)

Under the Guidance of

DR.R.INDHUMATHI.,MCA.,M.Phil.,Ph.D.,



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This is to certified that the project report entitled " **Heart Disease Prediction using Machine Learning** " submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SNEHA S (18BCS1097)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

Retha
20/7/21

Signature of the guide
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Submitted for VIVA –VOCE examination held on 26-07-2021.

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Kalippatti (PO) - 637 501, Namakkal (DT)

FILE SHARING APPLICATION WITH OTP SERVICES

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

SRIHARINI.K
(18BCS1098)

Under the Guidance of

Mr. G.SATHEESH, M.Sc.,M.Phil., M.A(YHE)..M.B.A.,M.A(HR)..



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

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M. Srinath
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CERTIFICATE

This is to certified that the project report entitled " **Logistics Management System**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SRIHARINI K (18BCS1098)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

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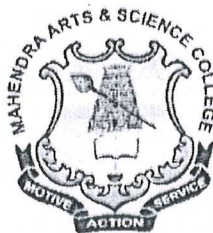
RATION SHOP AUTOMATION SYSTEM USING SMART CARD

A project submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science to the Mahendra Arts & Science College (Autonomous)

By

M.SUPPRIYA
(Reg.No.18BCS1099)

Under the Guidance of
Mr. N.SURESH,M.Sc.,M.Phil.,



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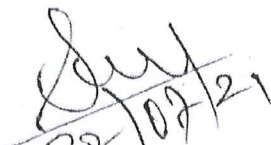
M. Suresh
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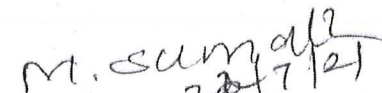
April / May- 2021

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Kalippatti (PO) - 637 501, Namakkal (DT)

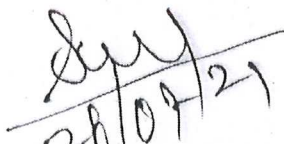
CERTIFICATE

This is to certified that the project report entitled "**RATION SHOP AUTOMATION SYSTEM**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SUPPRIYA M (18BCS1099)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

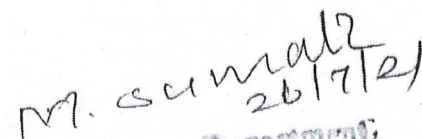

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FARMER BUDDY

A project submitted in partial fulfillment of the requirements for the
degree of Bachelor of Science in Computer Science to the
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By

SUSMITHA. R
(18BCS1101)

Under the Guidance of
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This is to certified that the project report entitled " **Farmer's Buddy**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SUSMITHA R (18BCS1101)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

M. Namasivayam
19/7/21

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Submitted for VIVA –VOCE examination held on 26-07-2021.

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26/7/21

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ENCRYPTION ALGORITHMAM USING JAVA

A project submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science to the
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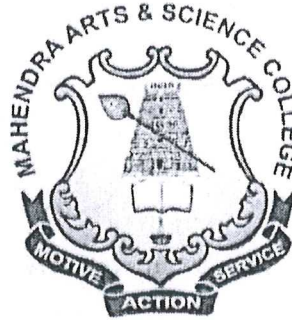
by

T.SWETHIA

(Reg. No. 18BCS1102)

Under the Guidance of

Mrs. R. UMAMAHESWARI, M,Sc.,M.Phil.,



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M. Sumath
Head of the Department,
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April / May- 2021

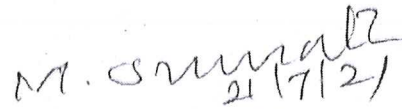
[Signature]
PRINCIPAL
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CERTIFICATE

This is to certified that the project report entitled " **Face Encryption Algorithm in Java**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **SWETHA T (18BCS1102)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

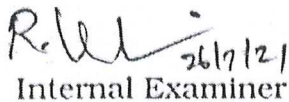
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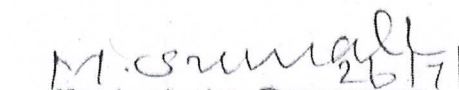
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Dept. of Computer Science & Applications,
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Kalippatti

Submitted for VIVA –VOCE examination held on 26-07-2021.

 26/7/21
Internal Examiner

External Examiner

 26/7/21
Head of the Department,
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Kalippatti (PO.) Pin-637 501


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(Autonomous)
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DATA MINING MODEL PERFORMANCE OF SALES
PREDICTIVE USING JAVA

A project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Computer Science to
the

Mahendra Arts & Science College (Autonomous)

By

THANGAMANI. D (18BCS1103)

Under the Guidance of

Mrs. M.GOMATHI, M.Sc., M.Phil.,



DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

MAHENDRA ARTS & SCIENCE COLLEGE

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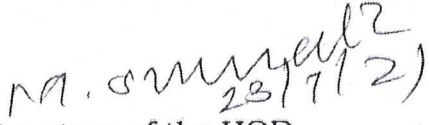
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M. G. G. G. G.
**Head of the Department,
Department of Computer Science,
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Kalippatti (PO.) Pin-637 501**

CERTIFICATE

This is to certified that the project report entitled " **Data Mining Model Performance of Sales Predictive Algorithm Based on RapidMiner Workflows**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **THANGAMANI D (18BCS1103)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.

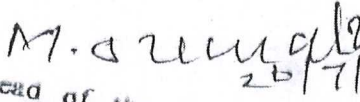

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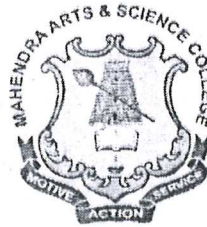
Education System online

A project submitted in partial fulfillment of the requirements
for the degree of Bachelor of Science in Computer Science to
the Mahendra Arts & Science College (Autonomous)

By

J.VENNILA
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Under the Guidance of
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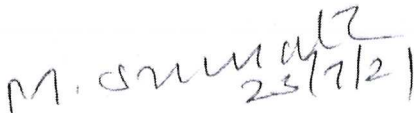
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CERTIFICATE

This is to certified that the project report entitled " **Education System Online**" submitted to the Mahendra Arts and Science College (Autonomous), Kalippatti-637501, in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Computer Science is bonafide project work carried out by **VENNILA J (18BCS1104)**, under my guidance and supervision and it has not formed the basis for the award of any Degree, Diploma, Associate ship and Fellowship or any other similar title ant that the dissertation represent independent work on the part of the candidate.



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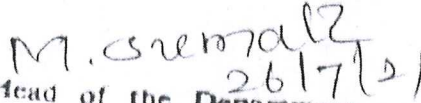

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