

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Final Year UG Projects 2022-2023

Lab Code : CSS811
 Class/Semester : IV CSE / VIII

Lab Name : Project Work

PROJECT LIST

S. No.	Batch No.	Roll Number	Register Number	Name of the Student	Title of the Project	Guide
1	A1	19UCSE028	920419104015	BAVITHRA. V	Safe Fireworks Assistance System	Ms. T. Rajashree
2		19UCSE040	920419104025	DIVYA SHREE. R R		
3	A2	19UCSE011	920419104024	DINESH. A N	KCET Vehicle Maintenance System	Dr. A. Meenakshi
4		19UCSE002	920419104064	PRAASANA KUMAR. N		
5		19UCSE009	920419104076	SANJAY. T	Plant Disease Prediction	Ms. G. Vijayalatha
6	A3	19UCSE015	920419104094	UMAMAHESHWARI. S		
7		19UCSE014	920419104021	DHANALAKSHMI. S		
8		19UCSE021	920419104046	KAVYA LAXMI. S	Placement Assistance Chatbot	Dr. R. Muthuselvi
9	A4	19UCSE057	920419104018	CHRISTY. S		
10		19UCSE080	920419104038	JEYASHREE. R		
11		19UCSE102	920419104035	JANASRI. V	Diabetes prediction using machine learning	Dr. R. Uma Maheshwari
12	A5	19UCSE005	920419104071	REVATHI. M		
13		19UCSE018	920419104045	KAVIYAPRIYA. R		
14	A6	19UCSE047	920419104033	HARITHAN. S	AI- powered State Analyzer for an Ideal Fruit Recognition System	Dr. R. Ramya
15		19UCSE076	920419104089	SURIYA PRAKASH. N P		
16		19UCSE027	920419104014	BARATHI MATTHEW. J A		

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17	A7	19UCSE078	920419104093	TORFEE RAAJ. A	Brainshare	Mrs.K. Leelarani
18		19UCSE060	920419104070	RAM PRASANTH. P		
19		19UCSE105	920419104010	ARUN. U		
20		19UCSE048	920419104036	JAVEED AHMAD RESHI		
21	A8	19UCSE029	920419104001	AATHAVAN. A M	An Efficient Inventory Management System with QR Code using Blockchain	Ms.S.Janani
22		19UCSE019	920419104105	YOGESWARAN. S		
23		19UCSE037	920419104056	NAGAPPAN. K		
24		19UCSE100	920419104054	MOHAN RAM		
25	A9	19UCSE012	920419104082	SOWMYA SHREE. S	Gate-Pass For KCET	Mr. V.Rajesh Kannan
26		19UCSE007	920419104055	MONISHA. M		
27	A10	19UCSE091	920419104052	MOHANA. C	Video Classification based on inappropriate Content Detection using Deep Learning	Dr.A.Anandh
28		19UCSE061	920419104049	LAXMI KAVINA. C		
29		19UCSE090	920419104050	LOGESHWARI		
30	A11	19UCSE052	920419104012	BALAJI. S	Threat detection using RF algorithm	Mrs. V. Sangeetha
31		19UCSE050	920419104013	BALAKRISHNAN. S		
32		19UCSE082	920419104028	HARIHARAN G.S		
33	A12	19UCSE053	920419104009	ARAVINTH. K	Automated Car Using IoT	Ms.T.Rajashree
34		19UCSE056	920419104065	PRASANNA KUMAR. S		
35		19UCSE013	920419104043	KARTHIK. M		
36	A13	19UCSE008	920419104004	AJAY KRISHNAN. B	Detection of forest fire using deep learning	Mrs.S.Athilakshmi
37		19UCSE055	920419104023	DHINESH KUMAR. K		
38		19UCSE089	920419104053	MOHANA KRISHNA. S		
39	A14	19UCSE084	920419104062	PIRDIEEP ROSHAN. K	Dynamic Surveillance	Mr.B.Muthukrishna Vinayagam
40		19UCSE092	920419104017	BIHUVANESHIWARA. N J		
41		19UCSE058	920419104080	SENIBAGARAJAPANDI. M		

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42	A15	19UCSE023	920419104084	STEPHEN. S	Short-term Cryptocurrency Price Fluctuation Prediction Framework Using Machine Learning	Dr.R.Ramya
43		19UCSE035	920419104078	SARAN KUMAR. S		
44		19UCSE036	920419104092	THOPPULINGAM. B		
45	A16	19UCSE068	920419104026	GANESHGURU. A	Anti-Counterfeit Medicine Tracking System Using Blockchain	Mrs.K.Leearani
46		19UCSE003	920419104059	NAVEEN. R		
47		19UCSE001	920419104096	VIGNESHKUMAR. S		
48	A17	19UCSE016	920419104100	VINOTHKUMAR. R	Prediction of stock market using deep learning	Dr.P.Praveen Kumar
49		19UCSE087	920419104069	RAMKUMAR. M		
50		19UCSE088	920419104072	RISHIDHARAN. P		
51	A18	19UCSE062	920419104095	UMA MAHESWARL. M	Breast cancer prediction and analysis using xception model	Dr.G.Mahalakshmi
52		19UCSE010	920419104040	KANAGA LAKSHMI. S		
53		19UCSE071	920419104086	SUBRADEEPA. T P		
54	B1	19UCSE069	920419104034	JAINUL MUFAFIKA. H	Credit Card Fraud Detection System using Machine learning	Dr.G.Nirmala
55		19UCSE093	920419104007	ANIMA. U		
56		19UCSE073	920419104091	THANGATAMILSELVI. S		
57	B2	19UCSE025	920419104063	PONMATHI. R	Patient health monitoring smart pillbox using IoT	Ms.J.Lavanya
58		19UCSE077	920419104058	NANTHINI. K		
59		19UCSE034	920419104030	HARINI. T		
60	B3	19UCSE095	920419104011	ASHIFA PARVEEN. A	A Smart Helmet for Coal Miners	Ms.S.Athiakshmi
61		19UCSE043	920419104068	PREETHIKA. V		
62		19UCSE004	920419104005	AJITHA. M		
63	B4	19UCSE103	920419104057	NANDHINI. T	Robust Stroke Disease Prediction System using Electronic Health Records	Ms.S.Janani
64		19UCSE074	920419104047	KHARTHI PRIYA. P		
65		19UCSE039	920419104074	SABITHA. K		

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66	B5	19UCSE022	920419104085	SUBHIKSHA M	An IOT enabled monitoring and controlling of cleaning process in the public toilets of the society	Ms.K.Indumathi
67		19UCSE101	920419104090	SUVEETHA LAKSHMI. K		
68		19UCSE094	920419104020	DEVA DHARSHINI. S		
69	B6	19UCSE020	920419104037	JERMIN MARIA. J	Design of vaccine storage and transportation system in remote areas.	Ms.P.Kavitha
70		19UCSE033	920419104066	PRAVIN RAJA. N		
71		19UCSE032	920419104083	SRIDHAR. J		
72	B7	19UCSE041	920419104101	VISHNU KUMAR. T R	Food Recognition System for Diabetic Patient	Dr.A.Meenakshi
73		19UCSE038	920419104102	VISHNUPRIYA. R		
74		19UCSE066	920419104077	SANJUNAA. R.R		
75	B8	19UCSE044	920419104006	ANGELINE REBECCA. S	DDOS Attack simulation and Detection using Machine Learning Algorithm	Ms.K.Muthulakshmi
76		19UCSE067	920419104016	BHARATHI MUTHU. M		
77		19UCSE104	920419104041	KARTHIK PRABHU. S		
78	B9	19UCSE097	920419104039	KAILASH. K	Online Groceries Ordering System	Mr.M.Rajasekaran
79		19UCSE065	920419104088	SUJITH GEO. B		
80		19UCSE085	920419104098	VIGNESHWARAN. M		
81	B10	19UCSE030	920419104073	ROOBAN. S	Online Order And Management System	Mrs.B.Santhi Priya
82		19UCSE063	920419104103	YOGA MANIKANDAN. P		
83		19UCSE054	920419104044	KATHIR MATHAVAN. L		
84	B11	19UCSE083	920419104048	KISHOREKUMAR. V	Attendance Management System based on Face Detection using Neural Network	Mrs.R.Induja
85		19UCSE072	920419104081	SOORIYA. R		
86		19UCSE059	920419104008	ARAVIND. S		
87	B12	19UCSE045	920419104027	GOKUL. K	Heart Attack Detection and Heart Rate Monitor by using IoT	Mr.B.Muthukrishna Vinayagam
88		19UCSE024	920419104031	JHAKIPRASAD. V		
89		19UCSE017	920419104067	PRAWIN KUMAR. C		
90		19UCSE051	920419104019	DANISHI RUBIHAN. S		

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91	B13	19UCSE026	920419104003	ADITHYAN. I	Wireless Greenhouse Monitoring System.	Ms. X. Ignatius Selvarani
92		19UCSE075	920419104087	SUJITH. R.M		
93	B14	19UCSE099	920419104051	MAHARAJAN. M	Online Order Management for Auto Spares	Dr.A.Anandh
94		19UCSE081	920419104079	SATHISH KUMAR. V		
95		19UCSE098	920419104104	YOGESH. K		
96	B15	19UCSE042	920419104061	NIXON JOSHWA. S	IOT Based Road accident prevention using helmets.	Ms. S. Priyaa
97		19UCSE006	920419104032	HARISH KUMAR. N		
98	B16	19UCSE049	920419104029	HARIHARAN. N T	SoC Estimation for Lithium Ferro Phosphate Battery using Neural Network	Dr.P.Praveen Kumar
99		19UCSE064	920419104075	SAKTHI GANESH. A		
100	B17	19UCSE031	920419104060	NITISHKUMAR..S	Fingerprint Voting System	Ms.S.Hemaswathi
101		19UCSE046	920419104099	VINOTH. J		
102	B18	19UCSE086	920419104002	ABOBACKER SIDDIQUE. S	Social Distance and Face Mask Detector using YOLO	Ms.K.Muthulakshmi
103		19UCSE079	920419104042	KARTHICKRAJA. P		
104	B19	19UCSE070	920419104022	DHARANIDHARAN. K	Drowsy eye detection system using IoT	Dr.R.Muthuselvi
105		19UCSE096	920419104097	VIGNESH KUMAR. K		

S. Jay
Project Coordinator(s)

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SAFE FIREWORKS ASSISTANCE SYSTEM

A PROJECT REPORT

Submitted by

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DIVYA SHREE R.R (920419104025)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



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APRIL 2023

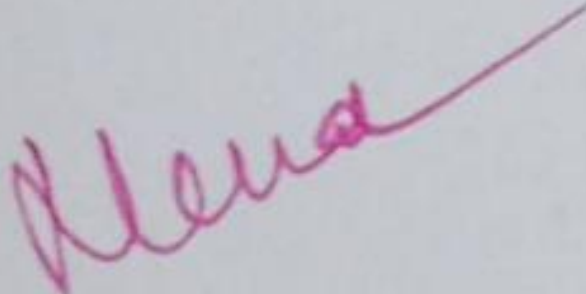
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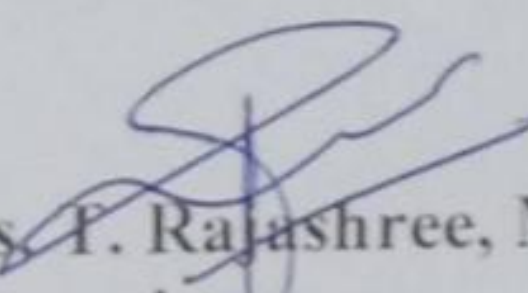
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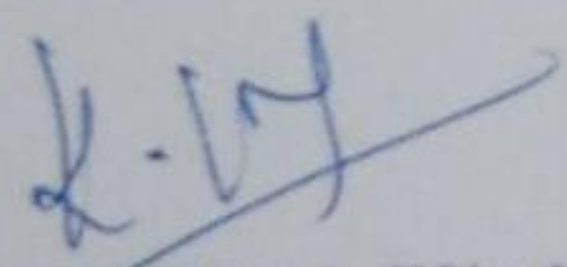
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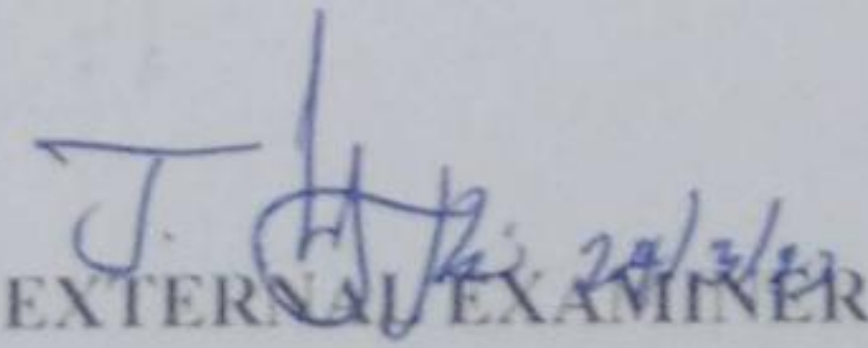
BONAFIDE CERTIFICATE

Certified that the project report "SAFE FIREWORKS ASSISTANCE SYSTEM" is the bonafide work of "BAVITHRA V (920419104015), DIVYA SHREE R.R (920419104025)" who carried out the project work under my supervision.


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INTERNAL EXAMINER


EXTERNAL EXAMINER

ABSTRACT

The use of Fireworks has become increasingly popular, so the manufacturer produces lots of supply. It becomes more dangerous when temperatures arise in that factory and there is possible for storing some supplies to communicate directly with end user. It is managed by firework assistance and management system using IOT devices. Temperature monitoring system is a system used to ensure that the ideal temperature, humidity, and other parameters are consistently within thresholds to maintain the good condition of stored items. The user can then view the complete specification of each product. Once the user placed the order the owner will check the details. The products are stored in the warehouse whenever the user place order the products are ready to ship. Temperature sensor is used to monitor the warehouse to avoid fire. User details are stored in database and also admin will monitor it. In order to avoid fire accident, the best way to use an alert message notification to admin. Admin will inform the information when there is any emergency. Thus, by using this temperature detector we can avoid fire accident and save the goods.

KCET VEHICLE MAINTENANCE SYSTEM

A PROJECT REPORT

Submitted by

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In partial fulfillment for the award of the degree of

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BONAFIDE CERTIFICATE

Certified that the project report "KCET VEHICLE MAINTENANCE SYSTEM" is the bonafide work of "N.PRASANA KUMAR(920419104064), A.N.DINESH(920419104024), T.SANJAY(920419104076)" who carried out the project work under my supervision.

ABSTRACT

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INTERNAL EXAMINER

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EXTERNAL EXAMINER

ABSTRACT

KCET Vehicle Maintenance System is a Web-based application. This system is user friendly and easy to handle. The current problem faced in our college transport department is the bus records are manually updated and maintained by the administrator. This leads to more time consumption also it is more difficult task to get reports whenever needed. This also, leads to inconsistency as some records are duplicated in more places. In order to overcome this issue, we need to automate the task of manual work. This application is developed with an objective of accessing and managing the records of transport department records like mileage details, maintenance details and RTO details which are issued by an administrator. The main objective is to automate the task of manual calculation of mileage and fuel cost for each bus in our college. This system replaces the existing method of writing in separated records for each bus. These kinds of systems are beneficial to increase efficiency by reducing the manual work. As reports are most important part of any system, this system has reports section to find records easily. Records can be filtered for each bus by weekly as well as monthly. Also, the admin can view the statistics of the bus based on the performance, so that we made a conclusion that which bus gives the best performance and which bus gives the least performance.

PLANT DISEASE PREDICTION USING DEEP LEARNING

A PROJECT REPORT

Submitted by

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Certified that the project report "PLANT DISEASE PREDICTION USING DEEP LEARNING" is the bonafide work of "S. UMAMAHESHWARI (920419104094), S. DHANALAKSHMI (920419104021) and S. KAVYALAXMI (920419104046) " who carried out the project work under my supervision.

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INTERNAL EXAMINER

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EXTERNAL EXAMINER

ABSTRACT

In day-to-day life, Agriculture is the most important sector. Agriculture plays a vital role in increasing the economic standards of every country. Today, farmers are facing many challenges in agricultural land. Diseases on plants placed a major constraint on the production and a major threat to food security. Hence, the accurate identification of plant diseases is important to ensure high quantity and best quality. Recent technology is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant. Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases. Detection and recognition of plant diseases using deep learning are very efficient in providing symptoms of identifying diseases at its earliest. The model can analyze the digital images using digital image processing for diagnosis of plant diseases. Application of image processing strategies simply assist farmers in all of the regions of agriculture. Generally, the plant diseases are caused by the abnormal physiological functionalities of plants. These different symptoms and diseases of leaves are predicted by different methods in image processing. These different methods include different fundamental processes like segmentation, feature extraction and classification and so on. The set of images are given as an input into the Image preprocessing unit. The image is being preprocessed. In preprocessing unit, the images are assigned for testing and training in certain ratio. Then the image is trained by using DL Algorithm. The image is carried out into the evaluation phase. Features are extracted by the model itself so as to classify the correct disease. The input image is given by the user to the model via UI. The model is try to identify the disease. Once the disease is identified, it is mapped with the correct remedy or to suggest the fertilizer which would be required to eradicate the disease and to fight off the disease in the future too. In the proposed work, the comparison of Convolutional Neural Network (CNN) in Deep learning and Support Vector Machine (SVM) in Machine learning is to be used. For massive datasets, SVM's accuracy of the prediction is comparatively less than CNN. VGG16 is one of the CNN architectures that is used for feature extraction and ResNet is also one of the CNN architectures that is used to solve vanishing gradient problem and it maintains low error rate. Recently, in many research works CNN is used and it has shown good results.

PLACEMENT ASSISTANCE CHATBOT

A PROJECT REPORT

Submitted by

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*In partial fulfillment for the award of the
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Certified that the project report "PLACEMENT ASSISTANCE
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EXTERNAL EXAMINER



ABSTRACT

Earlier, the students can get the placement related information only through the Training Development and Placement Cell (TDP) which is a time-consuming process. The placement assistance chatbot provides the placement details which reduces the response time for the queries sent to the TDP. It is user-friendly, highly interactive bot, respond quickly and accurately to multiple queries from students. The major findings of the project include the chatbot's high accuracy rate of 71%. In addition, response time of the chatbot is 0 seconds and 367 microseconds, which is significantly faster. In the proposed work, the students can ask the queries from anywhere and at anytime. The Placement Assistance Chatbot is an effective and useful for students seeking information regarding placements and reduces the time in answering very basic questions repeatedly to each and every student for TDP.

PREDICTION OF DIABETES USING MACHINE LEARNING

A PROJECT REPORT

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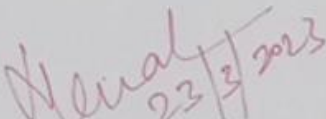
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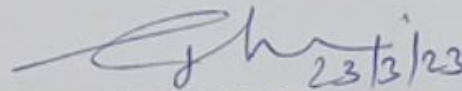
BONAFIDE CERTIFICATE

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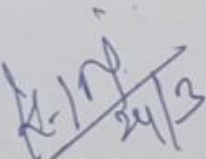
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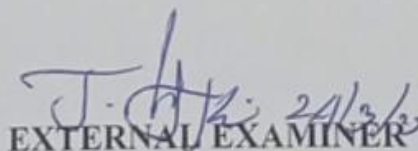

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24/3

INTERNAL EXAMINER


24/3/23

EXTERNAL EXAMINER

ABSTRACT

A major non-communicable disease known as diabetes mellitus is becoming an epidemic and a global public health crisis. Hypertension, often known as high blood pressure, is one of the many potentially fatal consequences of diabetes that is frequently misdiagnosed and mistreated until symptoms are severe. Early identification of those who are at risk can significantly minimise or perhaps eliminate diabetic complications. In Recent years, there is a widespread application of numerous machine learning classification algorithms for the diagnosis of diabetes, but very few studies have been done for the detection of hypertension in diabetic people. The existing rule-based models are unable to provide understandable rule sets in predicting the diabetes. To resolve this limitation, this paper aims to develop a Support Vector Machine (SVM) based approach for the diagnosis of diabetes by extracting rules. A feature selection process is presented for choosing characteristics from the dataset that are significantly connected with each other. The dataset used in this research has been obtained from Pima Indians diabetes, India comprising of 300 diabetic subjects with 108 hypertensives and 192 normotensives. The findings from the datasets are generalized using five publicly available diabetes-related datasets. The proposed approach is proved to be better than the existing machine learning classifiers with respect to the accuracy of prediction. The training and testing portions of the dataset employed in this study are split 70:30, respectively. The proposed approach outperforms the existing approaches with respect to the accuracy of prediction and hence the risk associated with patients can be successfully communicated to healthcare professionals to help them make decisions about prevention and intervention.

AI – POWERED STATE ANALYZER FOR AN IDEAL FRUIT RECOGNITION SYSTEM

A PROJECT REPORT

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ABSTRACT

The recognition of fruits is an important task in the food industry and agriculture. In recent years, the development of computer vision technology has enabled the automatic recognition of fruits using image processing techniques. In this paper, the dataset having different types of fruits along with various fruit states including whole, sliced, batons etc., is used. This experiment is done with most commonly used Convolutional Neural Network (CNN) architectures on three different recognition tasks like fruit name, nutrients and state of the fruit. The use of Residual Network architecture can improve the accuracy of the fruit recognition task. The system has potential applications in fruit sorting, grading, and quality control, which can help to improve the efficiency of fruit processing and reduce the cost of labour. The final experiment demonstrated that the features obtained from a Convolutional Neural Network (CNN) trained on our suggested dataset performs better.

BRAINSHARE – MOBILE APPLICATION

A PROJECT REPORT

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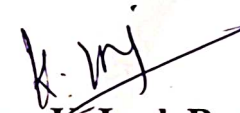
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ABSTRACT

As mobile usage continues to grow, there is a growing need for a mobile application that provides a user-friendly and engaging experience for users. In this project, the aim is to design and develop a mobile application called Brainshare that enhances the user experience and encourages greater engagement with the platform. Brainshare is a discussion platform , where users can post their queries and get the solutions from other users reply. Identify the highly active performing person for either recruitment or placement cell. In this application, Development of integrated community for a solution pool, which will increase accuracy of the solution. Brainshare Application is to clarify the various subject related doubts among students and reduce their tense to solving their errors with high accuracy of solution. Build Community through BrainShare to share their knowledge among them. Create solution pool for each and every domain for using this application. It is independent for all, anyone can post or answer for multiple domain. User's answer is based on up and down vote to identify the correct answer. The user's gain trust point based on their accurate answer. Trust point is used to identify the individual user performance and knowledge. This application will also keep them together (well balanced) which help them to get the answers quickly as possible.

AN EFFICIENT INVENTORY MANAGEMENT SYSTEM WITH QR CODE USING BLOCKCHAIN

A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

Vendor-managed inventory (VMI) is a commonly used collaborative inventory management policy. Several prerequisites are information sharing, trust, systems integration and long-term collaboration. However, nowadays supply chain networks are becoming more complex, highly disjointed and geographically spread. As a consequence, the implementation of a VMI strategy may be a difficult task. In this paper, we propose a new interaction mechanism between retailers and vendors, which aims to improve their supply chain strategy and inventory policies based on a trustless and distributed mechanism. In particular, we use an autonomous trustless framework based on smart contracts and blockchain technology for governing the relationship between multiple vendors and multiple retailers. Investing in a vendor managed inventory solution can be a win-win for both vendors and buyers. From reduced carrying costs to streamlined execution and efficient supply chain management, VMIs help customers collaborate and maintain strategic relationships with vendors. Over time, as the vendor can understand and predict customer demand through VMI, partnerships can improve between both parties. Product availability further boosts customer service quality and creates more returning buyers and even better sales in the future.

GATE PASS FOR KCET

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Gate pass management is a vital measure to keep records of people's entrance and exit of institution's premises. Technological improvement steered gate pass management from paper-based logbooks to web-based system that rely on the internet. Which provide easy task to the user. In this project, the authorized faculty is approving the user gate application if they want to allow student then gate pass system is pop-up on the guard system database. This system can be easily accessed by administrators, Faculties and students. The development of web applications introduces a better user experience and easy access to gate pass users. This system is a semi-automatic system which helps to manage the data's and records.

GATE PASS FOR KCET

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**VIDEO CLASSIFICATION BASED ON INAPPROPRIATE
CONTENT DETECTION USING DEEP LEARNING**

A PROJECT REPORT

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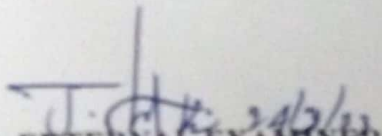
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INTERNAL EXAMINER


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ABSTRACT

Video Classification for Inappropriate Content Detection is the task of identifying and flagging videos that contain content that is deemed offensive or inappropriate. A novel deep end-to-end learning architecture for automatically identifying inappropriate content in videos using Convolutional Neural Network (CNN) is proposed in our project. The goal is to detect the violent scenes from a video which will help to distinguish safe videos from unsafe ones. The proposed method is evaluating on a dataset of videos with different types of inappropriate content, which includes too much blood or violence, sexual content, intense graphic violence, alcohol content or drug usage, nudity, and profanity. Two types of models trained, one using safe category videos and the other using unsafe category videos. After training, the model validated against a test data set to help distinguish between unsafe and safe category videos. Compared to the duration of the entire video, these inappropriate elements only appear for a short amount of period and are not found easily. This is then converted into multiple small video clips and the frames are extracted from and transformed into video frames of fixed size. These frames are fed to the CNN algorithm to get the feature vectors. It is made up of our dataset statistical properties which have been assessed for appropriateness and inappropriateness depend on the action. The proposed approach achieves high performance on all the datasets and surpasses state-of-the-art methods, showing great effectiveness for diverse video classification tasks.

THREAT DETECTION USING RF ALGORITHM

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EXTERNAL EXAMINER

ABSTRACT

ABSTRACT

Due to the advance of information and communication techniques, sharing information through online has been increased. As a result, various online services were created. However, as increasing connection points to the internet, the threats of cyber security have also been increasing. TDS have nowadays become a necessary component of almost every security infrastructure. Threat detection plays an important role in ensuring information security, and the key technology is to accurately identify various attacks in the network. Analyzing network flows, logs, and system events has been used for threat detection. Network flows, logs, and system events, etc. generate big data. Big Data analytics can correlate multiple information sources into a coherent view, identify anomalies and suspicious activities, and finally achieve effective and efficient threat detection.

In this project, we were developing a Threat Detection System(TDS) using Machine learning algorithms in Big Data Analytics. The threat detection system is based on Random Forest (RF) Algorithm. Random Forest (RF) is an ensemble classifier and performs well compared to other traditional classifiers for effective classification of attacks. To evaluate the performance of our model, we will conduct experiments on KDD99 data set.

AUTOMATED SELF DRIVING CAR USING IOT

A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

A Line Follower Robot is an autonomous robot which is able to follow either a black or white line that is drawn on the surface consisting of a contrasting colour. It is designed to move automatically and follow the made plot line. The path can be visible like a black line on a white surface or it can be invisible like a magnetic field. It will move in a particular direction Specified by the user and avoids the obstacle which is coming in the path. If the obstacles are detected in the path then the robot will wait for a few minutes and make a horn until the obstacle moves. Autonomous Intelligent Robots are robots that can perform desired tasks in unstructured environments without continuous human guidance. It is an integrated design from the knowledge of Mechanical, Electrical, and Computer Engineering. IR sensors based line follower robot which always directs along the black mark on the white surface. Therobot uses several sensors to identify the line thus assisting the bot to stay on the track. The robot is driven by DC motors to control the movements of the wheels. And it's mainly used for industries and Rural Areas.

DETECTION OF FOREST FIRE USING DEEP LEARNING

PROJECT REPORT

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ABSTRACT

ABSTRACT

Forest fire detection is a critical task in natural resource management and disaster response. Early detection of forest fires can help to minimize the damage caused by fires and protect human lives and the environment. The purpose of this system is to construct a model for early fire detection and damage area estimation for response systems based on deep learning. First, implement a faster R-CNN to detect objects which is a combination of Region Proposal Network (RPN) and Convolution Neural Network (CNN), and is considered as faster and more accurate. This model involves training a faster R-CNN network on a large dataset of images of forest fires, and then using the trained model to detect forest fires in new images. The faster R-CNN model takes an image as input and produces a set of bounding boxes around regions in the image that are likely to contain a forest fire. The trained model is evaluated on a separate dataset of images to determine its accuracy in detecting forest fires. So, the deployed faster R-CNN model is used to process new images and generate predictions of forest fires. These predictions can be used to trigger an alert or to provide information to firefighters and other stakeholders allowing them to respond quickly and effectively to the fire. Thus, the proposed model demonstrates their robustness and suitability for implementation in real-world systems.

Dynamic Surveillance

PROJECT REPORT

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ABSTRACT

Safety and security are major concerns in modern day era. People employ security mechanisms to safeguard their property be it home or a company. Present security systems involve the use of various sensors for motion detection and cameras for video surveillance. This project aims at providing one such idea to ensure safety and security of one's own property. In this project we are mainly stressing on the features of intelligent surveillance which are monitoring feature, noise detection, face identification and visitors in room Detection. This can be achieved by integrating camera with python computer vision algorithms. This system introduces intelligent analysis of single person activity to enhance the security system in home and also enriches the current video surveillance systems through an automatic identification of abnormal behavior of the person. The relevant data is recorded and alert is given to the user by sending mail. The user can view the particular video. This system maintains the security situation at home and this reduces the incidence of burglary cases and enhances social stability. Keywords: Computer Vision, Object Tracking, Computer Vision Algorithms, Face Identification.

**SHORT-TERM CRYPTOCURRENCY PRICE
FLUCTUATION PREDICTION FRAMEWORK USING
MACHINE LEARNING**

A PROJECT REPORT

Submitted by

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S. SARAN KUMAR (920419104078)

B.THOPPULINGAM (920419104092)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution - Affiliated to Anna University, Chennai)
K.VELLAKULAM, VIRUDHUNAGAR - 626 001**

APRIL 2023

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ABSTRACT

In recent years, the evolution of the cryptocurrency is very high in range. The number of people who are all investing their money in cryptocurrency is increasing in fast manner. Our aim is to predict the future price of the bitcoin using machine learning algorithms. In the modern world, cryptocurrency becomes more trendy and makes the youngsters to invest in the stock market and to generate some profitable trades. To invest their money in cryptocurrency, this work helps the people and organization to invest in the bitcoin and to make good profitable trades.

Initially, it utilizes the historical data to predict the future price of the bitcoin. Different machine learning algorithms are applied on the data set and the accuracy is compared to see which algorithm performed better. It also includes the performance metrics like precision, recall scores for evaluating the model. In cryptocurrency market, it contains 'n' number of coins. Among those coins, we can take any coin to predict the future price which will help the investors who are all investing their money in crypto currency market.

ANTI-COUNTERFEIT MEDICINE TRACKING SYSTEM USING BLOCKCHAIN

A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

A counterfeit drug is a medication which is produced and sold with the intent to deceptively represent its origin, authenticity, or effectiveness. A counterfeit drug may contain inappropriate quantities of active ingredients, or none, may be improperly processed within the body (e.g., absorption by the body), may contain ingredients that are not on the label (which may or may not be harmful), or may be supplied with inaccurate or fake packaging and labelling. Counterfeit drugs are related to pharm fraud. Drug manufacturers and distributors are increasingly investing in countermeasures, such as traceability and authentication technologies, try to minimise the impact of counterfeit drugs. Antibiotics with insufficient quantities of an active ingredient add to the problem of antibiotic resistance. Fake drugs are manufactured and packaged to look like legitimate brand-name medications but often contain little to none of the active ingredients listed on the label. In this project, present an Efficient Data Security System where smart contracts and WEB 3.0 play a major in securing the data. Also, a blockchain technology is used to secure the data at the backend. Thus, this system provides an end-to-end data security to detect the original drug for customer using smart contract and blockchain technologies.

PREDICTION OF STOCK MARKET USING DEEP LEARNING ALGORITHM

PROJECT REPORT

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PREDICTION OF STOCK MARKET USING DEEP LEARNING ALGORITHM

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EXTERNAL EXAMINER

ABSTRACT

Stock market prediction is a complex and challenging task due to many factors that can influence the market. These factors can include interest rates and inflation, industry-specific factors such as changes in regulations or technological advancements, company-specific factors such as earnings reports and management changes, market sentiment, and more. Developing an accurate stock prediction method can help investors in making profitable decisions by reducing the investment risks. Stock market has a profound impact in today's economy. A rise or fall in the share market price has an important role for determining the investor's gain. The successful prediction of a stock's future price yield significant profit.

In this project, we propose a scheme for the prediction of stock price using deep learning. The proposed work is to develop deep learning models to forecast the stock price using Long Short Term Memory (LSTM) model and 1D-Convolutional Neural Network (CNN) model. NASDAQ Apple dataset and NSE Adani ports dataset from yahoo financial website are used to evaluate the performance of the proposed models. The experimental results indicated that CNN model significantly performs accurately as compared to LSTM model.

BREAST CANCER PREDICTION AND ANALYSIS USING XCEPTION MODEL

A PROJECT REPORT

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ABSTRACT

One of the top causes of death in the globe is breast cancer (BC). Globally, breast cancer will claim the lives of about 10 million people in 2020. Breast cancer is a devastating condition that affects a lot of women worldwide. It comes up at number four among cancers that are fatal, including colorectal, cervical, and brain tumours. Furthermore, it is predicted that over the next 20 years, there will be a 70% increase in the number of new instances of breast cancer. As a result, improving the diagnosis and increasing patient survival from 30 to 50% depends greatly on early identification and accurate diagnosis of breast cancer. Deep learning plays a crucial role in handling and reviewing a large number of X-ray, MRI, and computed tomography (CT) images thanks to advancements in healthcare technology. This study's objective is to suggest a deep learning model for identifying and categorising breast tumours. Benign adenosis, benign fibroadenoma, benign phyllodes tumour, benign tubular adenoma, malignant ductal carcinoma, malignant lobular carcinoma, malignant mucinous carcinoma, and malignant papillary carcinoma are the eight kinds of cancer that make up breast cancer. The dataset was gathered from the Kaggle repository for the identification and categorization of breast cancer. F1-score, recall, precision, and accuracy are among the measurements that were taken into consideration when evaluating the proposed model. Using the preprocessed dataset, the suggested model was trained, verified, and tested.

CREDIT CARD FRAUD DETECTION SYSTEM USING MACHINE LEARNING

A PROJECT REPORT

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INTERNAL EXAMINER


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ABSTRACT

Machine learning is a branch of Artificial Intelligence(AI), which is broadly defined as the capability of a machine to imitate intelligent human behavior. Credit card fraud generally happens when the card was stolen for any of the unauthorized purposes or even when the fraudster uses the credit card information for use. The fraud detection in payment is a classification problem that aims to identify fraudulent transactions based individually on the information it contains and on the basis that a fraudster's behavior patterns differ significantly from that of the actual customer. It aims to focus mainly on machine learning algorithms Random Forest, Extreme Gradient Boost, Decision Tree, Support Vector Machine. The results of the Convolutional Neural Network, Extreme Gradient Boost, Random Forest and the Support Vector Machine algorithms are based on accuracy, precision, recall, and F1-score is considered as the best CNN algorithm that is used to detect the fraud.

**PATIENT HEALTH MONITORING
SMART PILL BOX USING IoT**

A PROJECT REPORT

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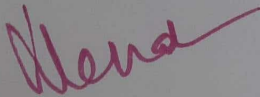
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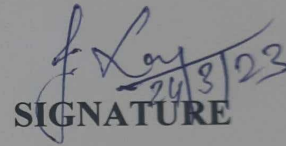


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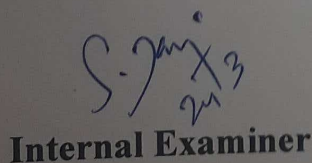
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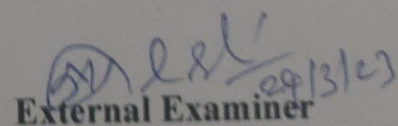
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ABSTRACT

Our project's main aim is to make a smart medicine box for those users who regularly take medicines and the prescription of their medicine is very long as it is hard to remember to patients and also for their care giver. Old age patients suffer from problems of forget to take pills on proper time which causes certain health issues for patients having permanent diseases like diabetes, blood pressure, breathing problem, heart problems etc. We saw these problems in hospitals & people around us who have such kind of diseases and based on these two problems we made smart medicine box which solve these problems by setting up time table of prescribed medicines through push buttons. Present time will be saved in RTC module and notification time will be saved in EEPROM. At the time of taking medicine system generate notification sound and display the bright light in certain pill boxes. So, patient can know the specific number of box from which he has to take out medicines. All pill boxes are pre-loaded in the system which patient needs to take at given time. System has quality that it can sense if the patient had taken out pills from the box or not. The Advantage of our system includes of sensing capability if the patient tries to postpone the time of taking medicine by suddenly opening or closing the medicine boxes to stop the sound. Thus, final result of our system provides fast curing of patient health by using our advantageous system.

A SMART HELMET FOR COAL MINERS

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Working in the underground of earth presents many different health dangers. Frequently the underground environment is unpleasant. The main goal of this system **“A SMART HELMET FOR COAL MINERS”** is to design safety helmets for coal miners. In the existing system, only toxic gases were detected in the underground. The proposed system involves the development of a wearable helmet equipped with various sensors like MAX30100, MQ-6, LM35, and ZigBee transceiver is a communication device that can transmit real-time data to miners and supervisors. The smart helmet can monitor various environmental parameters, such as temperature, oxygen level, heart rate, and toxic gas levels in the mine. It alerts the user if any parameter exceeds the safety threshold. A panic button is fixed in the miner's helmet which sends an alert to the control room whenever a worker needs medical attention. Moreover, the helmet has a communication system that enables miners to stay in constant contact with the others in the control room. We keep data in the cloud using ESP8266. ThingSpeak enables the cloud-based aggregation, visualization, and analysis of real data streams. The data uploaded by the sensors are visualized using ThingSpeak. This system improves safety and efficiency for the coal mining industry.

**ROBUST STROKE DISEASE PREDICTION SYSTEM
USING ELECTRONIC HEALTH RECORD**

A PROJECT REPORT

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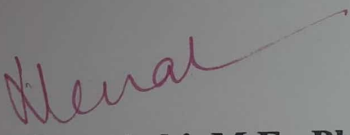
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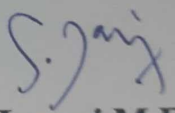
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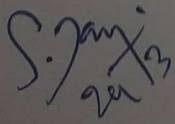
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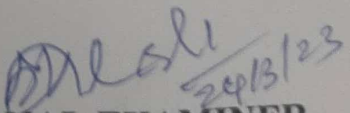
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ABSTRACT

A stroke is caused when blood flow to a part of the brain is stopped abruptly. Without the blood supply, the brain cells gradually die, and disability occurs depending on the area of the brain affected. This paper has taken various physiological factors and used machine learning algorithms like Logistic Regression, Decision Tree Classification, Random Forest Classification, K-Nearest Neighbors, Support Vector Machine and Naïve Bayes Classification to train five different models for accurate prediction. With an increased synergy between technology and medical diagnosis, caregivers create opportunities for better patient management by systematically mining and archiving the patients' medical records. Stroke is considered as medical urgent situation and can cause long-term neurological damage, complications and often death. With an increased synergy between technology and medical diagnosis, caregivers create opportunities for better patient management by systematically mining and archiving the patients' medical records. Therefore, it is vital to study the interdependency of these risk factors in patients' health records and understand their relative contribution to stroke prediction. With an increased synergy between technology and medical diagnosis, caregivers create opportunities for better patient management by systematically mining and archiving the patients' medical records

**AN IOT ENABLED MONITORING AND CONTROLLING OF
CLEANING PROCESS IN THE PUBLIC TOILETS OF THE SOCIETY**

A PROJECT REPORT

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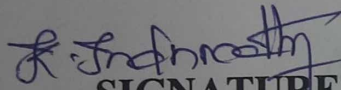
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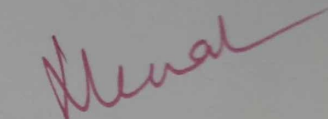
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Certified that the project report "AN IOT ENABLED MONITORING AND CONTROLLING PROCESS OF PUBLIC TOILETS IN THE SOCIETY" is the bonafide work of DEVA DHARSHINI.S(920419104020), JERMIN MARIA.J(920419104037),SUBHIKSHA.M(9204191014085),SUVETHA LAKSHMI.K(920419104090) who carried out the project work under my supervision.

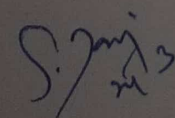

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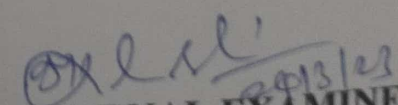
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INTERNAL EXAMINER


EXTERNAL EXAMINER

ABSTRACT

Our project's main aim is to implement the Swachh Bharath mission for toilet cleaning through our proposed work. In the cutting edge world ,the advances are definitely grown ,yet at the same time the cleanliness in our nation is under risk. In our country, people do not have enough knowledge of using toilets. This leads to several diseases such as malaria, hepatitis, flu, cholera, typhoid, etc. This work is proposed to deliver clean and hygiene toilets. All the public toilets should be cleaned periodically and maintain the hygiene. Thus a smart IoT based public toilet cleanliness monitoring system is required to maintain the cleanliness of public toilets. In this work, IR sensor allows you to sense motion, which is used to detect whether a human has moved in or out of the sensor range, it will take count of persons who are entering into the public toilets. P35 float level will be used to detect the level of water in the tank and to fill the tank by using the motor . MQ9 is one of those sensors to detect gases present in the toilets. The signals received from the sensor could be processed with the ESP8266 Bluetooth Module and interfaced with IoT cloud. The data are collected and stored in an IoT cloud platform. A Sms gateway is used. It will alert the nearby municipality office for cleaning. It allows for the effective administration of public toilets with high degree of hygiene. The system's implementation requires the installation of sensors, controllers, and cloud-based analytics tools. However, the cost of implementation is offset by the benefits of the system, which includes reducing the risk of diseases and infections from unclean public toilets. The proposed system can be implemented in public toilets in various locations, such as bus stand and hospitals

DESIGN OF VACCINE STORAGE AND TRANSPORTATION SYSTEM IN REMOTE AREAS

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Vaccination can not only effectively protect individuals from infectious diseases, but also effectively prevent the spread of infectious diseases. The storage and transportation of vaccines have very high requirements on the environment. This project designs an intelligent vaccine storage and transportation system. The system has the functions of process monitoring, storage and transportation traceability, temperature control and vaccine transfer. It combines software and hardware, and is suitable for remote areas. It aims to provide "last mile" service for children who need vaccination in remote areas. Vaccination is the assured way of gaining immunization against many life-threatening diseases. However, the vaccine outreaches in developing and undeveloped countries are very limited due to lack of proper management of the cold chain system. This paper presents a real-time data-centric cold chain monitoring system for the continuous monitoring of the vaccine distribution and transportation process. The proposed system provides the unique feature of creating and managing individual trips for vaccine transportation process along with the regular supervision of temperature and humidity of the carrier. Moreover, the hardware and software components for the system also track the location of the carrier. This proposed system can be particularly highly effective in increasing vaccine coverage in the remote regions. This is because the proposed system enables the remote monitoring of the entire process and ensure transparency in the distribution process.

FOOD RECOGNITION SYSTEM FOR DIABETIC PATIENTS

A PROJECT REPORT

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ABSTRACT

This real-time mobile application for diabetes patients' food recognition provides an approach for automatic food recognition that is based on web ontology. Diabetes is a chronic condition, but with ongoing, careful management, the build-up of sugars in the blood can be controlled. So, food intake and choices are significantly influenced by food recognition. This system for recognizing food, helps diabetic patients maintain their diets by making predictions based on the user's criteria (BMI, Diabetes Type, and Sugar Level), as well as the calories in the food they have already consumed. People therefore do not need to remember the number of calories in various food or what food they may have consumed. The major goal is to keep track of and maintain a diabetic patient's calorie and starch consumption about their diet, without the assistance of a dietitian, and offer accurate nutrition advice. The Diet Recognition module serves as a liaison between the knowledge base and the user interface and offers what might be altered in the following meals with the calorie increase or decrease calculated in the currently consumed meal, rather than just suggesting what to eat. It also features a water reminder that notifies the user to drink water until the daily limit is reached. This is done by calculating the amount of water consumed daily based on the user's details like age, weight, physical activity and gender. In addition to these, the BMI can also be calculated. As a result, this mobile application helps both diabetic and non-diabetic patients maintain a proper diet.

DDOS ATTACK SIMULATION AND DETECTION USING MACHINE LEARNING ALGORITHM

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

A DDoS (Distributed Denial of Service) attack aims to disrupt and deny services to legitimate users by overwhelming the target with a massive number of malicious requests. DDoS is one of the most frequent attack that inflicts serious damage and affects the cloud performance. The proposed system aims to develop a machine learning model to classify possible DDoS attacks in an SDN (Software-defined network) environment. Mininet is used for the simulation of network. Through Mininet, it is possible to instantiate an Open vSwitch by connecting it to an external controller and create the hosts by adding the virtual Ethernet interfaces. The controller on the other hand is a Ryu controller. This allows to add flow entries to switches. A Real-time Dataset is created by simulating DDoS attack. The System uses both real-time and CAIDA's DDoS Attack 2007 dataset in order to train the algorithm and classify DDoS Attacks based on its unique features. Dataset is divided into Training and Testing data in order to train the algorithm. 85% of the dataset is used in training the algorithm and 15% of the remaining dataset is used for testing. SVM (Support Vector Machine) classification algorithm is used in order to get an accuracy of 99.68%.

ONLINE GROCERIES ORDERING SYSTEM

A PROJECT REPORT

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ABSTRACT

This project is a web based shopping system for an existing shop. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps the user for buying the products in the shop from anywhere through internet by using an mobile or pc. Thus the customer will get the service of online shopping and home delivery from his favorite shop. This system can be implemented to any shop in the locality or other shops having retail outlet chains. If shops are providing an online portal where their customers can enjoy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipkart or amazon. as the online website is easily accessible and always available.

ONLINE ORDER AND MANAGEMENT SYSTEM

A PROJECT REPORT

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S. Jini

INTERNAL EXAMINER

S. Jini
EXTERNAL EXAMINER

ABSTRACT

The Online Shopping is a web-based application intended for online retailers. The main objective of this application is to make it interactive and its ease of use. It would make searching, viewing and selection of a product easier. It contains a sophisticated search engine for user's to search for products specific to their needs. The search engine provides an easy and convenient way to search for products where a user can search for a product interactively and the search engine would refine the products available based on the user's input. The user can then view the complete specification of each product. They can also view the product reviews and also write their own reviews. The application also provides a drag and drop feature so that a user can add a product to the shopping cart by dragging the item in to the shopping cart. The main emphasis lies in providing a user friendly search engine for effectively showing the desired results and its drag and drop behavior.

A Web application (Web app) is an application program that is stored on a remote server and delivered over the Internet through a browser interface. Web services are Web apps by definition and many, although not all, sites contain Web apps.

**ATTENDANCE MANAGEMENT SYSTEM BASED
ON FACE DETECTION USING NEURAL
NETWORK**

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

Abstract

Attendance management for a whole class of students takes a lot of time if done manually. An automatic attendance system is required in order to overcome this problem. Certain automatic attendance system uses face detection principle to mark attendance for students, but the problem is that it lacks accuracy and the computation time is too high. This problem can be solved by using neural network. Attendance system is a necessary record that needs to be maintained in any organization that requires and follows a standard administration. Manually maintaining a record of people who is present or not in a given time is a tedious task. The complexity of marking attendance for a set of people increases if the number of people increases. The average time spent on marking attendance for each person manually is very high. This can be improvised by using an automatic attendance system that uses face detection to mark attendance for each person. A single photograph of the set of people is enough in order to mark attendance for the whole group. The proxy of attendance can be eliminated by using facial recognition. Possibilities of error can be eliminated using facial recognition which is comparatively better than manual process.

HEART ATTACK DETECTION AND HEART RATE MONITORING USING IOT

A PROJECT REPORT

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EXTERNAL EXAMINER

ABSTRACT

The Heart Rate Monitoring system is developed using IOT technology with an objective of detecting the heartbeat of the patient in order to monitor the risk of heart attack and also the regular check-up. Body health monitoring is very important to us to make sure our health is in excellent condition. One of the vital parameters for this device under consideration is the heart rate (HR). In this project we describe the design of low-cost heart rate monitoring device from fingertips based on IoT sensors. This system can be embraced and combined as a part of telemedicine constituent. The data received from heart rate module can be saved and viewed for further medical usage. The result from this device prototype can be utilized for various clinical investigations.

WIRELESS GREENHOUSE MONITORING SYSTEM

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Our project's main aim is to increase food production, economic development in rural communities, environmental sustainability of food production through our proposed work. The paper proposed is a wireless greenhouse monitoring system that utilizes a Supervisory Control and Data Acquisition (SCADA) application and an Arduino UNO microcontroller board. The system aims to provide real-time monitoring of the greenhouse environment using various sensors, including temperature and humidity sensors, gas sensors, and level sensors. The data collected from these sensors is transmitted wirelessly to a central SCADA system that displays the data and allows for remote control of the greenhouse environment. The system's key features include its ability to control the greenhouse's environment remotely, increasing efficiency, and reducing manual labor. The data collected by the sensors can be used to optimize the greenhouse environment, allowing for better plant growth and increased productivity. The system also features cloud storage, allowing for easy access and analysis of the controlled and monitored data. This wireless greenhouse monitoring system provides a convenient and efficient method for monitoring and controlling the greenhouse environment, allowing for increased productivity and better management of resources. Additionally, the system is cost-effective and easy to install, making it accessible to small-scale greenhouse farmers. The proposed system can be utilized in a wide range of greenhouse applications and is an excellent tool for those seeking to optimize their greenhouse's productivity and sustainability.

ONLINE ORDER MANAGEMENT FOR AUTO-SPARES

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

An online order management system for automobile spare parts describes a system that allows customers to order spare parts for their vehicles through an online platform. The system aims to streamline the process of ordering spare parts by providing customers with a user-friendly interface that allows them to browse a comprehensive catalog of available parts, place orders, and track the status of their orders in real-time. The system also provides inventory management and order fulfillment capabilities for the suppliers and dealers that sell the spare parts. By leveraging technology and automation, the online order management system offers a faster, more efficient and convenient way to purchase automobile spare parts, improving the customer experience and enhancing business operations for suppliers and dealers. The system also includes features for managing customer information, invoicing, and shipping. By implementing this system, businesses can streamline their order management process, reduce errors, and improve customer satisfaction.

IOT BASED ROAD ACCIDENT PREVENTION USING HELMETS

A PROJECT REPORT

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Certified that the project report “ IOT BASED ROAD ACCIDENT PREVENTION USING HELMETS” is the bonafide work of “HARISH KUMAR N (920419104032) & NIXON JOSHWA S (920419104061)” who carried out the project work under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Our system motive is to develop a system that utilizes Internet of Things (IoT) technology to predict road accidents and promote helmet usage and to detect the presence of alcohol in the rider's breath. The system promotes helmet usage by detecting whether the rider is wearing a helmet or not, and alerts the rider if they are not wearing through LCD display. The sensors embedded in the helmet detects the presence of alcohol in the rider's breath, if the level of alcohol in the rider's bloodstream is high the system alerts the rider if the alcohol level is above the legal limit by displaying it in the LCD display, promoting safe riding practices and preventing accidents. The project is designed to enhance road safety and reduce the number of road accidents by providing riders with a real-time warning system. By providing real-time alcohol prediction and alert system, the project can play a significant role in promoting responsible riding practices and reducing the risks associated with drunk driving.

SOC ESTIMATION FOR LITHIUM FERRO PHOSPHATE BATTERIES USING NEURAL NETWORK

A PROJECT REPORT

Submitted by

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SAKTHI GANESH A (920419104075)

*In partial fulfilment for the award of the degree
of*

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IN

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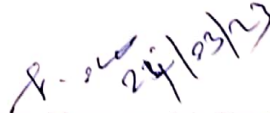
APRIL 2023

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ABSTRACT

Lithium-ion battery is commonly used in electric vehicles due to their high energy density, long cycle life, and low self-discharge rate. The state of charge (SOC) is a critical parameter to monitor and control in electric vehicles (EVs) as it indicates the remaining capacity of the battery. Knowing the SOC of the battery is essential as it provides information for range estimation, battery health, safety, and efficiency. The varying in temperature is the major issues that influence the accuracy of SOC prediction.

To address this issue, this project proposes a Feedforward Neural Network (FNN) model to predict the SOC of Lithium-ion battery from voltage, current, and temperature variables. The trained FNN is capable enough to predict SOC with high accuracy for the temperature range of -10°C to 40°C . The performance of the FNN model is evaluated in terms of accuracy, mean square error and mean average error. The accuracy of FNN model is 98.2%. The mean square error rate is 3.2%. The mean absolute error rate is 3%. The results shows that our project gives high prediction accuracy in SOC prediction.

FINGERPRINT VOTING SYSTEM

A PROJECT REPORT

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S. Jeyaraj

INTERNAL EXAMINER

S. Jeyaraj

EXTERNAL EXAMINER

ABSTRACT

To maintain the security and accuracy of the voting process, the fingerprint voting system can use both the minutiae-based algorithm and the SHA3 algorithm. The minutiae-based method can be utilised in the voting system to recognize fingerprints. It works by extracting unique elements from the voter's fingerprint, such as ridge ends and bifurcations, and using these to construct a template for comparison with other fingerprints. By assuring that each voter is unique and can only vote once, this algorithm can prevent voter fraud. The SHA3 algorithm can be used in the voting system to encrypt and hash data. It can safeguard the integrity and confidentiality of data, including personal information about voters and voting outcomes. For each data input, the SHA3 algorithm may generate a fixed-length, unique hash value, making it harder for hackers to corrupt or alter the data. This system may provide a high level of security and accuracy in the voting process by combining the minutiae-based algorithm and the SHA3 algorithm. It can detect voter fraud and ensure that voting results are accurate and private.

SOCIAL DISTANCE DETECTOR USING YOLO

A PROJECT REPORT

Submitted by

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P. KARTHICK RAJA (920419104042)

In partial fulfillment for the award of the degree of

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S. Jay
24/3

INTERNAL EXAMINER

S. Jay
24/3/20
EXTERNAL EXAMINER

ABSTRACT

This project aims to develop a social distance detection system using computer vision techniques to monitor adherence to social distancing guidelines in public areas during the COVID-19 pandemic. The system involves data collection, preprocessing, object detection, distance calculation, alerting system, implementation, and testing. The system uses open-source libraries such as OpenCV, TensorFlow, and Keras. The objective of this project is to design an efficient algorithm that detects people and calculates their distance, alerting individuals who are not adhering to social distancing guidelines. The system can be used in various settings such as shopping malls, airports, and hospitals to ensure public safety. The Novel Coronavirus, termed as COVID-19 outbreak, is faced by almost all countries in the world. It spread through communal interaction between people, especially in densely populated areas. An effort to prevent Covid-19 transmission is social distancing regulation. However, this policy is not obeyed by the public, so the government needs to supervise the movement and people's interaction. The government needs a crowd surveillance system that can detect people's presence, identify the crowd, and give social distancing warnings.

DROWSY EYE DETECTION SYSTEM USING IOT

A PROJECT REPORT

Submitted by

DHARANI DHARAN K (920419104022)

VIGNESHKUMAR K (920419104097)

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Certified that the project report “DROWSY EYE DETECTION SYSTEM USING IOT” is the bonafide work of “DHARANI DHARAN K (920419104022) & VIGNESHKUMAR K (920419104097)” who carried out the project work under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

At present time, drowsy driving has become one of the major issues of the traffic collision. According to statistics, a large number of road accidents occur due to drowsy driving which results in severe injuries and deaths. For this reason, various studies were done in designing systems that can examine the driver fatigue and alert him beforehand, thus preventing him to fall asleep behind the wheel and cause an accident. Some traditional approaches used vehicle-based measures to design their system, however, such measurements are highly influenced by the structure of the road, type of vehicle and the driving skill. Other approaches used psychological measures for their system that tend to provide better accuracy in monitoring the drowsiness of the driver. However, such techniques are usually intrusive as electrodes are required to be placed on the head and body. Furthermore, there are few existing researches in which subjective measurements are used as the input for the system, but such methods can distract the driver and lead to an ambiguous result. In this paper, we proposed a system that is absolutely nonintrusive and real-time. Our proposed system used the eye closure ratio as input parameter to detect the drowsiness of the driver.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PG End Semester Practical Examinations Jan 2022

Lab schedule

Degree & Branch : ME - CSE

Class & Sem: II & III

Subject code & Name: MC1321-Project Phase – I

Date & Session: 10.01.2023 & 9.30 a.m- 12.30 p.m

S.No	Time	Register No.	Name	Title
1	9.30a.m - 10.00 a.m.	920421405001	MUTHU ESHWARAN R	Electrical Load Prediction using Machine Learning Algorithms
2	10.00 a.m.-10.30 a.m.	920421405002	VIVEK RAJAN V	Deep Learning Model for Detection of Schizophrenia

Faculty Incharge

HOD-CSE

ELECTRICAL LOAD PREDICTION USING MACHINE LEARNING ALGORITHMS

PHASE I REPORT

Submitted by

R MUTHU ESHWARAN (920421405001)

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Certified that the project report “ELECTRICAL LOAD PREDICTION USING MACHINE LEARNING ALGORITHMS” is the bonafide work of **R. Muthu Eshwaran (920421405001)** who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

DEEP LEARNING MODEL FOR DETECTION OF SCHIZOPHRENIA

PROJECT PHASE I REPORT

Submitted by

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In partial fulfilment for the award of the degree of

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Aruna
10/01/2023

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10/1/23

EXTERNALEXAMINER



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Industrial Training / Internship / Inplant Training details

S.No.	Roll Number	Register Number	Name of the Student	No. of Days	No. of Hours	From Date	To Date	Name of the Industry
1	21UCS004	920421104020	DHIVYA.G	20	160	6/10/2023	6/30/2023	Halo design academy
2	21UCS005	920421104081	RAJESWARI.R	14	80	6/7/2023	6/21/2023	Nbays IT Solusenz, Emerging IT Service provider in India
3	21UCS006	920421104004	ABINAYASARASWATHI.B	21	160	6/7/2023	6/23/2023	Reccsar private limited
4	21UCS008	920421104003	AARON ARULRAJ.A	20	160	6/10/2023	6/30/2023	Halo Design Academy
5	21UCS010	920421104018	DEEPAN SAKKARAVARTHI.S	20	160	6/7/2023	6/26/2023	WEB WALK INFOSYS
6	21UCS012	920421104088	SANGEETHA.K	15	80	6/7/2023	6/23/2023	Reccsar private limited
7	21UCS013	920421104028	HARSHINA SRI.M.G	21	160	6/10/2023	6/30/2023	Halo design academy
8	21UCS014	920421104121	ZENMATHY.K.P	18	80	6/12/2023	6/30/2023	Winways Complete Open Source Pvt Ltd
9	21UCS015	920421104085	SAKTHISHIVASANKAR.K	15	80	6/16/2023	7/1/2023	Web Walk Infosys
10	21UCS016	920421104037	JONES SIMEON.D	21	160	6/10/2023	6/30/2023	Halo Design Academy
11	21UCS017	920421104051	KRISHNA HARNI.P	15	80	6/7/2023	6/23/2023	Reccsar Private Limited
12	21UCS018	920421104091	SATHEESHKUMAR.V	15	80	6/15/2023	6/30/2023	Astro web solutions -6/30/2023
13	21UCS020	920421104040	KARUPPASAMY.S	15	80	6/10/2023	6/25/2023	Phoenix softech
14	21UCS022	920421104048	KISHOR.P	20	85	6/10/2023	6/30/2023	Halo design academy
15	21UCS023	920421104118	YASWANT.R	20	85	6/10/2023	6/30/2023	HALO Design Academy

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16	21UCS024	920421104029	HEMSHIKA HARINI DEVI.C.S	14	80	6/7/2023	6/21/2023	Nbays IT Solusenz, Madurai
17	21UCS025	920421104032	JANA VIKRAM.K.M. S	15	80	6/6/2023	6-30-2023	ASTRO web solution
18	21UCS028	920421104110	VIGNESH KUMARAN.A	14	80	6/13/2023	6/28/2023	Web Walk Infosys
19	21UCS034	920421104066	NIRANJANA.P	14	80	6/7/2023	6/23/2023	Reccsar Private Limited
20	21UCS035	920421104093	SHIVAKUMARAN.S	18	80	6/13/2023	8/30/2023	Incrix Techlutions LLP
21	21UCS038	920421104022	GANNIGAA.S	21	95	6/10/2023	6/30/2023	Halo Design Academy
22	21UCS041	920421104023	GOVINDARAJAN.D	21	95	6/8/2023	6/29/2023	Gateway software solutions
23	21UCS043	920421104064	NAVANEETHA KRISHNAN.A	15	80	6/16/2023	6/30/2023	ASTRO web solution
24	21UCS044	920421104078	PUNITHA BRIDJITH.A	21	95	6/10/2023	6/30/2023	Halo Design Academy
25	21UCS046	920421104092	SHEIK ABDHULLA.R	14	80	6/16/2023	6/30/2023	AstroWebSolution-Completed
26	21UCS047	920421104038	KAMALAKANNAN.G	21	95	6/13/2023	7/4/2023	Web Walk Infosys
27	21UCS051	920421104070	PAVITRA RAO.S	14	80	6/7/2023	8/23/2023	Reccsar pvt. Ltd
28	21UCS052	920421104119	YOGESHWARAN.R	32	100	6/12/2023	7/14/2023	Priga Solutions
29	21UCS053	920421104120	YOGESHWARAN.V	30	100	6/6/2023	7/5/2023	Pantech Solutions
30	21UCS054	920421104056	MAHARANJITHAM.S	21	95	6/10/2023	6/30/2023	Halo design academy -Completed
31	21UCS061	920421104063	NANDA GURU PANDIYAN.D	14	80	6/12/2023	6/24/2023	TM INNOVATIONS
32	21UCS062	920421104047	KIRUTHIKA.S	14	80	6/12/2023	6/24/2023	Lamda Tech Softics
33	21UCS067	920421104108	VASEEKARAN.S	14	80	6/16/2023	6/30/2023	Astro web solutions
34	21UCS068	920421104116	VISHVA.K	17	80	6/7/2023	6/23/2023	Reccsar private limited
35	21UCS0689	920421104050	KOWSALYA.C	15	80	6/7/2023	6/21/2023	NBAYS IT SOLUSENZ
36	21UCS074	920421104016	BARATH.R	22	100	6/8/2023	6/29/2023	Gateway software solutions

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37	21UCS077	920421104026	HARIHARAN.C	12	80	6/12/2023	6/24/2023	Web Walk Infosys
38	21UCS079	920421104105	THANGA BALAJI.P	14	80	6/12/2023	6/24/2023	TM innovations
39	21UCS080	920421104082	RISHIKESH.C	40	200	6/5/2023	7/14/2023	National Institute of Technology - Trichy
40	21UCS081	920421104008	ASATH SUGAINA.A	21	100	6/10/2023	6/30/2023	Halo design academy
41	21UCS082	920421104096	SIVA.K	15	80	6/12/2023	6/28/2023	Web walk infosys
42	21UCS083	920421104054	MADHURAM.S	21	100	6/10/2023	6/30/2023	Halo design academy
43	21UCS084	920421104067	NITHIS BANGARU.B	15	80	6/12/2023	6/28/2023	Web walk Infosys
44	21UCS085	920421104059	MARY SELJA.J	15	80	6/7/2023	6/21/2023	NBAYS IT SOLUSIONZ
45	21UCS090	920421104075	PREETHI.K	30	170	6/6/2023	7/6/2023	DLK-Carrier Developement
46	21UCS091	920421104106	THANUSHIYA.S	25	160	6/8/2023	6/29/2023	Gateway Software solutions
47	21UCS094	920421104071	PERUMAL.V	30	175	6/5/2023	7/5/2023	Pantech solution
48	21UCS096	920421104080	RAJA SEKARAN.K	15	80	6/15/2023	6/30/2023	Astro web Solutions -completed
49	21UCS098	920421104115	VISHNU.N	16	80	6/7/2023	6/23/2023	Reccsar private limited
50	21UCS101	92042114014	BANU SUBIKSHA.M	15	80	6/8/2023	6/23/2023	Hyndai motors Chennai
51	21UCS106	920421104097	SIVARANJANI.S	14	80	6/8/2023	8/23/2023	Hyundai
52	21UCS111	920421104007	ARUN KUMAR.K	30	170	6/6/2023	7/5/2023	Pantech solution
53	21UCS112	920421104033	JEEVA.J	30	170	6/5/2023	7/6/2023	Pantech Solutions
54	21UCS113	920421104073	PRAGADEESWARAN.S	30	170	5/5/2023	6/5/2023	PANTECH SOLUTION
55	21UCS114	920421104062	MUKESH.N	15	80	6/12/2023	6/28/2023	Web walk
56	21UCS116	920421104049	KOUSHIKAN.S	12	80	6/12/2023	6/26/2023	Hatsm Software
57	21UCS118	920421104030	ILAKKIYA.M	21	160	6/10/2023	6/30/2023	Halo design academy
58	21UCS119	920421104065	NIRANCHANA SHREE.S.R.	30	170	6/12/2023	7/14/2023	Priga Solutions
59	21UCS120	920421104114	VIJAY KUMAR.R	12	80	6/12/2023	6/24/2023	TM INNOVATIONS
60	21UCS122	920421104303	KARTHIKEYAN.T.S	28	140	6/8/2023	6/29/2023	Gateway Software SolutionS
61	21UCS124	920421104305	NANDHA KUMAR.M	14	80	6/26/2023	7/10/2023	Lamda Tech softics
62	21UCS127	920421104301	ARSADH.G	22	176	6/8/2023	6/29/2023	Gateway software solutions
63	21UCS129	920421104304	MUNIESH VIJAY.J	14	80	6/7/2023	6/21/2023	Nbays IT Solusenz, Emerging IT Service provider in India
64	21UCS001	920421104015	BARATH DAVID.S.R	25	125	06.06.2023	07.07.2023	Tarcin Robotics, Madurai
65	21UCS002	920421104005	ABIRAMI.V	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
66	21UCS003	920421104036	JOHN RATHINAM.V	14	80	12.06.2023	28.06.2023	Webwalk Infosys, Madurai
67	21UCS007	920421104072	PRABHU.B	17	85	08.06.2023	28.06.2023	Webgapp Solution, Madurai
68	21UCS009	920421104068	NITHYA SRI.M	28	140	12.06.2023	14.07.2023	Priga Solutions, Bengaluru

S.No.	Roll Number	Register Number	Name of the Student	No. of Days	No. of Hours	From Date	To Date	Name of the Industry
69	21UCS011	920421104044	KAYALVIZHI.R	14	80	12.06.2023	29.06.2023	Gateway Software Solutions, Madurai
70	21UCS019	920421104019	DHANASEKARAN.M	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
71	21UCS021	920421104045	KEERTHANA.M	14	80	12.06.2023	30.06.2023	Gateway Software Solutions, Madurai
72	21UCS026	920421104069	PAVITHRAN.R	13	80	12.06.2023	26.06.2023	iLife Technologies, Trichy
73	21UCS027	920421104039	KARSHAN VICTOR JOSH.T	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
74	21UCS029	920421104089	SANJAY KUMAR.K	13	80	12.06.2023	26.06.2023	iLife Technologies, Trichy
75	21UCS030	920421104117	VISHWESHWARAN.E	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
76	21UCS031	920421104027	HARIHARAN.R	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
77	21UCS032	920421104112	VIGNESH.S	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
78	21UCS033	920421104109	VIDHYA.S	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
79	21UCS036	920421104102	SUNIL.P	13	80	10.06.2023	25.06.2023	Phoenix Softech , Madurai
80	21UCS037	920421104057	MANIKANDAN.V	13	80	10.06.2023	25.06.2023	Phoenix Softech , Madurai
81	21UCS039	920421104035	JESWANATH.S	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
82	21UCS040	920421104017	BHARATHY.S	28	140	12.06.2023	14.07.2023	Priga Solutions, Bengaluru
83	21UCS042	920421104107	THIRISHA.M	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
84	21UCS045	920421104113	VIGNESH.S	13	80	12.06.2023	26.06.2023	iLife Technologies, Trichy
85	21UCS048	920421104087	SANGEETHA.K	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
86	21UCS049	920421104104	SWATHI.R	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
87	21UCS050	920421104010	ASWINI.M	28	140	12.06.2023	14.07.2023	Priga Solutions, Bengaluru
88	21UCS055	920421104009	ASHIKA DEULIN.J	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
89	21UCS056	920421104041	KATHIRVEL.A	13	80	26.06.2023	10.07.2023	Phoenix Softech , Madurai
90	21UCS057	920421104055	MAGATHI LAKSHMI.K	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
91	21UCS058	920421104100	SRIRAM RATHINAVEL.P	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
92	21UCS059	920421104053	LITHIN.X	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
93	21UCS060	920421104084	RUTHICK SREE.S	28	140	12.06.2023	14.07.2023	Priga Solutions, Bengaluru
94	21UCS063	920421104099	SRI SHARAN PRAKASH.S	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
95	21UCS064	920421104013	BALAJI.J	13	80	10.06.2023	25.06.2023	Phoenix Softech , Madurai
96	21UCS065	920421104001	AAKAASH KUMAR.M	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
97	21UCS070	920421104095	SHYAM SREERAM.N	13	80	10.06.2023	25.06.2023	Phoenix Softech , Madurai
98	21UCS071	920421104103	SURYA.A	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
99	21UCS072	920421104012	BABYPREETHI.M.S	28	140	12.06.2023	14.07.2023	Priga Solutions, Bengaluru
100	21UCS073	920421104094	SHIYAM.A	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
101	21UCS075	920421104025	HARI PRASATH.C	15	80	12.06.2023	30.06.2023	Genuine IT solution, Coimbatore
102	21UCS076	920421104011	ASWINI.R	30	150	14.06.2023	14.07.2023	Anjana Infotech, Rajapalayam
103	21UCS078	920421104002	AAKASH KUMAR.B	14	80	12.06.2023	28.06.2023	Webwalk Infosys, Madurai
104	21UCS086	920421104046	KESAVAN.R	30	150	14.06.2023	14.07.2023	Anjanana infotech ,Rajapalayam
105	21UCS087	920421104111	VIGNESH.R	17	85	08.06.2023	29.06.2023	Gateway Software Solutions, Madurai
106	21UCS088	920421104031	JABEZ JERIN.J	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
107	21UCS089	920421104077	PRUTHIVIRAJ.M	17	85	08.06.2023	29.06.2023	Gateway software solutions, Madurai
108	21UCS092	920421104074	PRAKASH.A	14	80	12.06.2023	28.06.2023	Webwalk Infosys, Madurai

S.No.	Roll Number	Register Number	Name of the Student	No. of Days	No. of Hours	From Date	To Date	Name of the Industry
109	21UCS093	920421104052	KRITHIKADEVI.U	30	150	14.06.2023	14.07.2023	Anjanana infotech ,Rajapalayam
110	21UCS095	920421104034	JEMIMA.K	28	140	12.06.2023	14.07.2023	Priga Solutions,Bengaluru
111	21UCS097	920421104083	ROOPA.S	28	140	12.06.2023	14.07.2023	Priga Solutions,Bengaluru
112	21UCS099	920421104043	KAVYA SRI VAIPAVA.S	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
113	21UCS100	920421104090	SARAVANAN.K	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
114	21UCS102	920421104079	RAJA ASWIN.T	14	80	12.06.2023	28.06.2023	Web walk Infosys, Madurai
115	21UCS103	920421104058	MANOJKUMAR.R	13	80	06.06.2023	20.06.2023	TeamWork Solutionz, Madurai
116	21UCS104	920421104061	MOHANA PRAKASH.G	13	80	10.06.2023	25.06.2023	Phoenix Softech , Madurai
117	21UCS105	920421104076	PRIYADHARSHINI.R	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
118	21UCS107	920421104021	DINESH.S	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
119	21UCS108	920421104042	KAVIYA.K	18	90	07.06.2023	29.06.2023	Gateway Software Solutions, Madurai
120	21UCS109	920421104006	ARUL KUMARAN.S	30	150	07.06.2023	07.07.2023	Kevell Corps, Madurai
121	21UCS110	920421104086	SAMSITHA.P.P	14	70	12.06.2023	29.06.2023	Gateway Software Solutions, Madurai
122	21UCS115	920421104098	SOBANRAJ THENNAVAN.S	17	85	08.06.2023	28.06.2023	Webgapp Solution,Madurai
123	21UCS117	920421104101	SUGANESAN.D	17	85	08.06.2023	28.06.2023	Webgapp Solution,Madurai
124	21UCS123	920421104307	VASUDEVAN.M.R	17	85	08.06.2023	28.06.2023	Webgapp Solution, Madurai
125	21UCS126	920421104302	ARUN KUMAR.S	13	65	10.06.2023	24.06.2023	Phoenix Softech, Madurai
126	20UCS042	920420UCS042	A.Akash	14	80	7.6.2023	20.6.2023	SD Pro solutions
127	20UCS014	920420UCS014	P.S.Sri vignov pandian	14	80	19.6.2023	2.7.2023	Web Walk Infosys
128	20UCS065	920420UCS065	S.Raj Flintoff	14	80	19.6.2023	2.7.2023	Web Walk Infosys
129	20UCS022	920420UCS022	S.Manoj Kumar	25	120	12.6.2023	6.7.2023	NIT Trichy-CEDI
130	20UCS005	920420UCS005	J.Subash Chandra pandian	14	80	19.6.2023	2.7.2023	Phoneix Softech
131	20UCS083	920420UCS083	R.Mansri	14	80	19.6.2023	2.7.2023	Phoneix Softech
132	20UCS024	920420UCS024	HARIKRISHNA M	30	120	12.6.2023	14.7.2023	Indo Shell Mould Limited (SENCO)



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30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **G.Dhiviya**, - **Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

R. RAJESWARI

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated

Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

A. AARON ARULRAJ

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

*has Successfully Completed the Internship Training on
Mobile App Development using Android*

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

S. DEEPAN SAKKARAVARTHI

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



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30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **M.G.Harshina Sri**, - **Computer Science Engineering** of "**Kamaraj College of Engineering & Technology (Autonomous)**", Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO



QUANTANICS TECHSERV PVT LTD

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QN/INT/DEC/2022/007

30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **K.P.Zenmathy, - Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

K. SAKTHISHIVASANKAR

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Machine Learning using Python

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

D. JONES SIMEON

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Vrudhannagar

has Successfully Completed the Internship Training on

Mobile App Development using Android

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated

Authorized Signatory



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95143 22445

info@astrowebsolution.com

www.astrowebsolution.com



Date :

Certificate No: AWSAB0K001

Date: 29/12/2022

GST IN : 33CYHPA5558A1ZV

AstroWebSolution

Company of Corporate Training

CERTIFICATE OF INTERNSHIP

In

Web Development

This is to certify that Ms.**Krishna Harni P – (21UCS017)**, D/O - Mr.**Pradeep K**, a student of BE(CSE) – KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY – VIRUDHUNAGAR, has successfully completed her **Two weeks Internship program** in **Web Development** at our branch from **19/12/2022** to **31/12/2022**. During the period of Internship with us she was found punctual, hardworking and inquisitive.

Authorized Signature,

Human Resource Manager,
AstroWebSolution



PHOENIX SOFTECH

Internship Certificate

This is to certify that

P. KISHOR

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Mobile App Development using Android

Held From 19-12-2022 to 31-12-2022

31-12-2022
Dated

Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

C.S. HEMSHIKA HARINI DEVI

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar
has Successfully Completed the Internship Training on*

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

K.M.S. JANA VIKRAM

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Machine Learning using Python

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



PHOENIX SOFTWARE

Internship Certificate

This is to certify that

A. VIGNESH KUMARAN

Student of B.E. (Computer Science and Engineering) from


Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Machine Learning using Python

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated


Authorized Signatory



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

P. NIRAJYANA

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated

Authorized Signatory



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

S. GANNIGAA

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Mobile App Development using Android

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated

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PHOENIX SOFTECH

Internship Certificate

This is to certify that

S. PAVITRA RAO

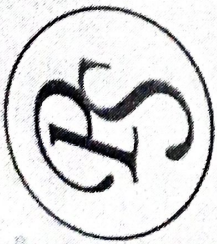
Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar
has Successfully Completed the Internship Training on
Machine Learning using Python

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

R. YOGESHWARAN

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Mobile App Development using Android

Held From 19-12-2022 to 31-12-2022

31/12/2022

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INTERNSHIP CERTIFICATE

This I certify that **S.Maharanjitham**, - **Computer Science** Engineering Of **Kamaraj** College Engineering & Technology (Autonomous)••: Vellakulam. Tamil Nadu. Madurai. has successfully completed his internship program from 19.12-2022 to 31.12-2022 in the field of Product Development (R&D) at Quantanics Tech-Serv Pvt. Ltd_ and as a Personal contribution towards the exposure of his practical During (the period of his internship with he was found punctual. working god inquisitive.

For Quantanics Techserv Pvt

A. Kesavan

Ltd

A.KESA VAN. CEO



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Date :

Certificate No: AWSAB0K008

Date: 29/12/2022

GST IN : 33CYHPA5558A1ZV

AstroWebSolution

Company of Corporate Training

CERTIFICATE OF INTERNSHIP

In

Web Development

This is to certify that Ms. **Kiruthika S** – (21UCS062), D/O- Mr. **Sivaraman J**, a student of BE(CSE) – KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY – VIRUDHUNAGAR, has successfully completed her **Two weeks Internship program** in **Web Development** at our branch from **19/12/2022** to **31/12/2022**. During the period of Internship with us she was found punctual, hardworking and inquisitive.

Authorized Signature,

Human Resource Manager,
AstroWebSolution

153/2, 2nd Floor, North Veli Street, Madurai,
Tamil Nadu 625001



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QN/INT/DEC/2022/012

30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **K.Vishva, - Computer Science Engineering** of "**Kamaraj College of Engineering & Technology (Autonomous)**", Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO

Q 206, Vellaikannu Nagar, Theni Main Road, Madurai - 16.

+91 86810 01680, 70108 97188 support@quantanics.in www.quantanics.in



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30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **C.Rishikesh, - Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D)** at **Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO

Q 206, Vellaikannu Nagar, Theni Main Road, Madurai - 16.

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QN/INT/DEC/2022/016

30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **A.Asath Sugaina, - Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO



PHOENIX SOFTECH

Internship Certificate

This is to certify that

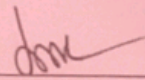
K, SIVA

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar
has Successfully Completed the Internship Training on*

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated


Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

B. NITHIS BANGARU

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



QUANTANICS TECHSERV PVT LTD

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30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **S.Thanushiya**, - **Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO

Q 206, Vellaikannu Nagar, Theni Main Road, Madurai - 16.

+91 86810 01680, 70108 97188 support@quantanics.in www.quantanics.in



PHOENIX SOFTECH

Internship Certificate

This is to certify that

K. RAJASEKARAN

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Machine Learning using Python

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



QUANTANICS TECHSERV PVT LTD

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QN/INT/DEC/2022/013

30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **N.Vishnu, - Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO

📍 206, Vellaikannu Nagar, Theni Main Road, Madurai - 16.

☎ +91 86810 01680, 70108 97188 ✉ support@quantanics.in 🌐 www.quantanics.in



PHOENIX SOFTECH

Internship Certificate

This is to certify that


M. BANU SUBIKSHA

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

*has Successfully Completed the Internship Training on
Mobile App Development using Android*

Held From 19-12-2022 to 31-12-2022

31/12/2022
Dated


Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

S. SIVARANJANI

*Student of B.E. (Computer Science and Engineering) from
Kamaraj College of Engineering and Technology, Virudhunagar*

has Successfully Completed the Internship Training on

Mobile App Development using Android

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

N. MUKESH

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar


has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-12-2022 to 31-12-2022

31/12/2022

Dated


Authorized Signatory



QUANTANICS TECHSERV PVT LTD

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QN/INT/DEC/2022/017

30.12.2022

INTERNSHIP CERTIFICATE

This is to certify that **M.Ilakkiya, - Computer Science Engineering** of “**Kamaraj College of Engineering & Technology (Autonomous)**”, Vellakulam, Tamil Nadu, Madurai, has successfully completed his **internship program** from **19.12.2022 to 31.12.2022** in the field of **Product Development (R&D) at Quantanics TechServ Pvt. Ltd.** and as a personal contribution towards the exposure of his practical knowledge. During the period of his internship programme with us, he was found punctual, Great working and inquisitive.

For Quantanics Techserv Pvt Ltd

A. Kesavan

A.KESAVAN, CEO



N·E·A·T

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All India Council for Technical Education



Virtual Internship Completion Certificate

This is to certify that

NIRANCHANA SHREE S R

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

has successfully completed 10 weeks

AI-ML Virtual Internship

during December 2022 - February 2023

Supported By **aws** academy

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :f5fcb167ee26fdd2c1e60bf94cf809f2

Student ID :STU6377a6f1afdad1668785905



LAMDA TECH SOFTICS

COMPUTER TRAINING INSTITUTE & SOFTWARE SOLUTION

CERTIFICATE OF COMPLETION

This is to certify that

ARSADH G

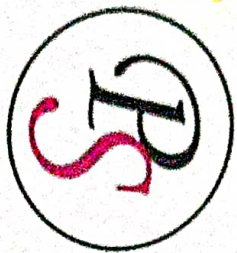
a student of Kamaraj College of Engineering and Technology

has done internship on Web Development held from 19.12.2022 to 31.12.2022

and completed the training. Found to be satisfactory.

S. Balu
DIRECTOR





PHOENIX SOFTTECH

Internship Certificate

This is to certify that

J. MUNIESH VIGAY

Student of B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using PHP

Held from 19-12-2022 to 31-12-2022

31/12/2022

Dated

Authorized Signatory



Reference Number: 2023/000048

Date: 26th June 2023

INTERNSHIP CERTIFICATE

This is to certify that **Ms. AbinayaSaraswathi B.** a student of **B.E CSE.** from **Kamaraj College of Engineering and Technology, Virudhunagar** had undergone internship training during **7th June 2023 to 23rd June 2023** on the topic of **MERN STACK WITH CLOUD COMPUTING**, which she completed successfully.

Through-out the training, her overall conduct and attitude towards work was satisfactory. She was hardworking, punctual and committed in carrying out her assignments.

Wishing her all success for her future.

FOR RECCSAR Pvt Ltd

S.K. Sanjay Raj

S.K.Sanjay Raj, Director



+91 0452 2643300

info@reccsar.com

www.reccsar.com

1/6, First Floor, Rathinasamy Nadar Road, Madurai - 625014



Reference Number: 2023/000043

Date: 26th June 2023

INTERNSHIP CERTIFICATE

This is to certify that **Ms. Sangeetha K**, a student of **B.E CSE**, from **Kamaraj College of Engineering and Technology, Virudhunagar** had undergone internship training during **7th June 2023 to 23rd June 2023** on the topic of **MERN STACK WITH CLOUD COMPUTING**, which she completed successfully.

Through-out the training, her overall conduct and attitude towards work was satisfactory. She was hardworking, punctual and committed in carrying out her assignments.

Wishing her all success for her future.

FOR RECCSAR Pvt Ltd

S.K. Sanjay Raj

S.K.Sanjay Raj, Director





Reference Number: 2023/000038

Date: 26th June 2023

INTERNSHIP CERTIFICATE

This is to certify that **Ms. Krishna Harni P**, a student of **B.E CSE**, from **Kamaraj College of Engineering and Technology, Virudhunagar** had undergone internship training during **7th June 2023 to 23rd June 2023** on the topic of **MERN STACK WITH CLOUD COMPUTING**, which she completed successfully.

Through-out the training, her overall conduct and attitude towards work was satisfactory. She was hardworking, punctual and committed in carrying out her assignments.

Wishing her all success for her future.

FOR RECCSAR Pvt Ltd

S.K. Sanjay Raj

S.K.Sanjay Raj, Director





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95143 22444

95143 22445

info@astrowebsolution.com

www.astrowebsolution.com



GSTIN : 33CYHPA5558A1ZV

Date :

Certificate No: AWS20B0405

30/06/2023

AstroWebSolution

CERTIFICATE OF INTERNSHIP

In

Web Development

This is to certify that Mr. **SATHEESHKUMAR .V**, from Kamaraj College of Engineering and Technology, Virudhunagar, has successfully completed his **Internship program in Web Development (HTML/CSS/JS/PHP)** at our branch from **15th June 2023 to 30th June 2023**. During the period of Internship with us he was found punctual, hardworking and inquisitive.

Authorized Signature,

Human Resource Manager,
AstroWebSolution

153/2, 2nd Floor, North Veli Street, Madurai,
Tamil Nadu 625001



PHOENIX SOFTECH

Internship Certificate

This is to certify that

S. KARUPPASAMY

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

App development in Android

Held From 10-06-2023 *to* 25-06-2023

25-06-2023

Dated

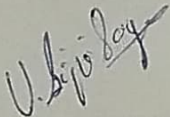
Authorized Signatory

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. R. Yaswant**, S/O S. Rajarathinam, a student of B.E. (CSE) Second Year, Kamaraj College of Engineering and Technology, Virudhunagar, Tamil Nadu has successfully completed 3 weeks of internship from **10-June-2023 to 30-June-2023** at Halo Design Academy, Madurai. During the period of his internship with us he was found sincere, dedicated, punctual and hardworking.


He designed a web application using Adobe XD.


For Halo Design Academy



Authorised Signatory

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Madurai - 625016.
88848 40039

 No. 15, Bypass Road, Opp. to KFC
Madurai, Tamilnadu - 625 010.

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Tamilnadu, India.

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GST IN : 33CNGPS6286M1Z8

Internship Certificate

This is to certify that

C.S. HEMSHIKA HARINI DEVI

A Student of B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Java Script

Held from 07-06-2023 *to* 21-06-2023

21/06/2023

Dated

P. Sathish

*Authorized Signatory
(Branch Manager)*



INCRIX EDUCATION

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Incrux Techlutions LLP

337/6, 3rd Street, Rajiv Nagar, Kovilpatti

628501

Date:30/06/2023

To whom so ever it may concern

This is to certify that Mr. Shivakumaran S , as student of CSE Department, Kamaraj College Of Engineering, Virudhunagar has successfully completed Internship training at Incrux Techlutions LLP from June 13, 2023 to June 30, 2023.

He has been found sincere and hardworking to the best of our knowledge and satisfaction during his tenure over here.

His association with us was very fruitful and we wish him all the best in his future endeavours.

INCRUX TECHLUTIONS LLP
19C2/B, JOTHI NAGAR,
4TH STREET, KOVILPATTI

Sincerely,
Mr. Avinash S, Director & CEO,
Incrux Techlutions LLP,
Contact no: 9786799765,
Kovilpatti.

INCRUX TECHLUTIONS LLP
19C2/B, JOTHI NAGAR,
4TH STREET, KOVILPATTI.

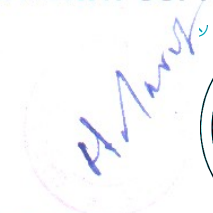
Sincerely,
Mr. Mohd Sherif J, President,
Incrux Education,
Contact no: 9626561437,
Kovilpatti.

Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Mr. GOVINDARAJAN D (21UCS041)** pursuing Third Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **08th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, he found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager





GSTIN : 33CYHPA5558A1ZV

Date :

Certificate No: AWS20B0407

30/06/2023

AstroWebSolution

CERTIFICATE OF INTERNSHIP

In

Web Development

This is to certify that Mr. **NAVANEETHA KRISHNAN .A**, from Kamaraj College of Engineering and Technology, Virudhunagar, has successfully completed his **Internship program** in **Web Development (HTML/CSS/JS/PHP)** at our branch from **16th June 2023 to 30th June 2023**. During the period of Internship with us he was found punctual, hardworking and inquisitive.

Authorized Signature,



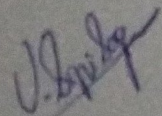
Human Resource Manager,
AstroWebSolution

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. A. Punitha Bridjith**, S/O S. Anthony Raj, a student of B.E. (CSE) Second Year, Kamaraj College of Engineering and Technology, Virudhunagar, Tamil Nadu has successfully completed 3 weeks of internship from **10-June-2023 to 30-June-2023** at Halo Design Academy, Madurai. During the period of his internship with us he was found sincere, dedicated, punctual and hardworking.


He designed a web application using Adobe XD.

For Halo Design Academy




Authorised Signatory

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Madurai - 625016.
88848 40039

 No. 15, Bypass Road, Opp. to KFC
Madurai, Tamilnadu - 625 010.

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95143 22445

info@astroweb solution.com

www.astroweb solution.com



GSTIN : 33CYHPA5558A1ZV

Date :

Certificate No: AWS20B0409

30/06/2023

AstroWebSolution

CERTIFICATE OF INTERNSHIP

In

Web Development

This is to certify that Mr. **SHEIK ABDHULLA .R**, from Kamaraj College of Engineering and Technology, Virudhunagar, has successfully completed his **Internship program in Web Development (HTML/CSS/JS/PHP)** at our branch from **16th June 2023 to 30th June 2023**. During the period of Internship with us he was found punctual, hardworking and inquisitive.

Authorized Signature,



Human Resource Manager,
AstroWebSolution

153/2, 2nd Floor, North Veli Street, Madurai,
Tamil Nadu 625001

No.1, 1st Floor, Ponmeni Narayanan Street,

S.S. Colony, Madurai - 625 010.

E-Mail: info@webwalk.org

Contact: 8056361688,

0452-4368886



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Internship Certificate

This is to certify that

G. KAMALAKANNAN

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Django Framework

Held From 13-06-2023 *to* 04-07-2023

04-07-2023

Dated

S. Thange parvathi
Authorized Signatory

CERTIFICATE NO : CERT_6ZL6D6R6

CIN NO : U80900TN2012PTC085936

PANTECHSOLUTIONS
Technology Beyond the Dreams

CERTIFICATE OF INTERNSHIP



This is to certify that

YOGESHWARAN V

has successfully completed

INTERNSHIP ON DEEP LEARNING (30 DAYS)

at Pantech Prolabs India Pvt Ltd

05-07-2023

DATE
OF ISSUE

M.K.JEEVARAJAN

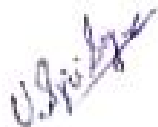
DIRECTOR
PANTECHSOLUTIONS
www.pantechsolutions.net

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. S. Maharanjitham**, D/O C. Seenivason, a student of B.E. (CSE) Second Year, Kamaraj College of Engineering and Technology, Virudhunagar, Tamil Nadu has successfully completed 3 weeks of Internship from **10-June-2023 to 30-June-2023** at Halo Design Academy, Madurai. During the period of her internship with us she was found sincere, dedicated, punctual and hardworking.

She designed a mobile application using Adobe XD.

For Halo Design Academy



Authorised Signatory

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Madurai - 625016.
88848 40039

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Madurai, Tamilnadu - 625 010.

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TM INNOVATIONS

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+91 80122 87319, +91 80122 87316

www.tminnovations.in

info@tminnovations.in

Date: 25-06-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Nanda Guru Pandiyan D – [21UCS061]** student of Kamaraj College of Engineering and Technology, has undergone In plant Training from **12.06.2023 to 24.06.2023** at TM Innovations, Theni. This Training is about **Mobile App Development** in JAVA. We wish him to obtain a good position using this Skillset.

Sincerely,

Anand Raj. K

Founder & CEO

TM INNOVATIONS



LAMDA TECH SOFTICS

COMPUTER TRAINING INSTITUTE & SOFTWARE SOLUTION

CERTIFICATE OF COMPLETION

This is to certify that

KIRUTHIKA S

a student of Kamaraj College of Engineering and Technology

*has done internship on Data Science held from 12.06.2023 to 24.06.2023 and
completed the training. Found to be satisfactory.*



MANAGING DIRECTOR



AstroWebSolution
Development | Digital Marketing | Training

95143 22444

95143 22445

info@astrowebsolution.com

www.astrowebsolution.com



GSTIN : 33CYHPA5558A1ZV

Date :

Certificate No: AWS20B0408

30/06/2023

AstroWebSolution

CERTIFICATE OF INTERNSHIP

In

Web Development

This is to certify that Mr. **VASEEKARAN .S**, from Kamaraj College of Engineering and Technology, Virudhunagar, has successfully completed his **Internship program in Web Development (HTML/CSS/JS/PHP)** at our branch from **16th June 2023 to 30th June 2023**. During the period of Internship with us he was found punctual, hardworking and inquisitive.

Authorized Signature,

Human Resource Manager,
AstroWebSolution

153/2, 2nd Floor, North Veli Street, Madurai,
Tamil Nadu 625001



Reference Number: 2023/000036

Date: 26th June 2023

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Viswa K**, a student of **B.E CSE**, from **Kamaraj College of Engineering and Technology, Virudhunagar** had undergone internship training during **7th June 2023 to 23rd June 2023** on the topic of **MERN STACK WITH CLOUD COMPUTING**, which he completed successfully.

Through-out the training, his overall conduct and attitude towards work was satisfactory. He was hardworking, punctual and committed in carrying out his assignments.

Wishing him all success for his future.

FOR RECCSAR Pvt Ltd

S.K. Sanjay Raj

S.K.Sanjay Raj, Director





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Tamilnadu, India.
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GST IN : 33CNGPS6286M1Z8

Internship Certificate

This is to certify that

C. KOWSALYA

A Student of B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Java Script

Held from 07-06-2023 *to* 21-06-2023

21/06/2023

Dated

P. Sathesh


*Authorized Signatory
(Branch Manager)*

Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Mr. BARATH R (21UCS074)** pursuing Third Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **08th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, he found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager



No.1, 1st Floor, Ponmeni Narayanan Street,

S.S. Colony, Madurai – 625 010.

E-Mail: info@webwalk.org

Contact: 8056361688,

0452-4368886



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Internship Certificate

This is to certify that

C. HARIHARAN

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Django Framework

Held From 12-06-2023 *to* 24-06-2023

24-06-2023

Dated

S. Thange pandian
Authorized Signatory



TM INNOVATIONS

West Market, Periyakulam Main Road, Theni - 625 531.

+91 80122 87319, +91 80122 87316

www.tminnovations.in

info@tminnovations.in

Date: 25-06-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Thanga Balaji P – [21UCS079]** student of Kamaraj College of Engineering and Technology, has undergone In plant Training from **12.06.2023 to 24.06.2023** at TM Innovations, Theni. This Training is about **Mobile App Development** in JAVA. We wish him to obtain a good position using this Skillset.

Sincerely,

Anand Raj. K

Founder & CEO

TM INNOVATIONS

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. A. Asathsugaina**, D/O S. Abubakkar Sithik, a student of B.E. (CSE) Second Year, Kamaraj College of Engineering and Technology, Virudhunagar, Tamil Nadu has successfully completed 3 weeks of internship from **10-June-2023 to 30-June-2023** at Halo Design Academy, Madurai. During the period of her internship with us she was found sincere, dedicated, punctual and hardworking.


She designed a web application using Adobe XD.


For Halo Design Academy



Authorised Signatory

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Madurai - 625016
88848 40039

 No. 15, Bypass Road, Opp. to KFC
Madurai, Tamilnadu - 625 010.

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TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. A. Asathsugaina**, D/O S. Abubakkar Sithik, a student of B.E. (CSE) Second Year, Kamaraj College of Engineering and Technology, Virudhunagar, Tamil Nadu has successfully completed 3 weeks of internship from **10-June-2023 to 30-June-2023** at Halo Design Academy, Madurai. During the period of her internship with us she was found sincere, dedicated, punctual and hardworking.


She designed a web application using Adobe XD.


For Halo Design Academy



Authorised Signatory

 **HALO** | DESIGN
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Madurai - 625016
88848 40039

 No. 15, Bypass Road, Opp. to KFC
Madurai, Tamilnadu - 625 010.

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Tamilnadu, India.
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GST IN : 33CNGPS6286M1Z8

Internship Certificate

This is to certify that

J. MARYSELJA

A Student of B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Java Script

Held from 07-06-2023 *to* 21-06-2023

21/06/2023

Dated

P. Sathish.

*Authorized Signatory
(Branch Manager)*



Career Development

CERTIFICATE OF COMPLETION

This is to certify that

MS. PREETHI . K (REG NO: 920421104075)

has Successfully Completed

Internship / ~~Implant training~~ in DATA SCIENCE from 06/06/23 to 06/07/23

During the training period the performance of the trainee was found to be excellent.

Congratulations on your hard work! keep shining!



Jayalakshmi S
Vice president



Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. THANUSHIYA S (21UCS091)** pursuing Third Year BE CSE from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed her internship on **FLUTTER** in our company from **08th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

For GATEWAY SOFTWARE SOLUTIONS



Manager

CERTIFICATE NO : CERT_9ZD0N9Y9

CIN NO : U80900TN2012PTC085936

PANTECH SOLUTIONS
Technology Beyond the Dreams

CERTIFICATE OF INTERNSHIP



This is to certify that
PERUMAL V

has successfully completed
INTERNSHIP ON DEEP LEARNING (30 DAYS)

at Pantech Pro Labs India Pvt Ltd

05-07-2023

DATE
OF ISSUE

M.K. JEEVARAJAN

DIRECTOR
PANTECH SOLUTIONS
www.pantechsolutions.net

CERTIFICATE NO : CERT_9ZD0N9Y1

CIN NO : U80900TN2012PTC085936

PANTECHSOLUTIONS
Technology Beyond the Dreams

CERTIFICATE OF INTERNSHIP



This is to certify that

ARUN KUMAR K

has successfully completed

INTERNSHIP ON DEEP LEARNING (30 DAYS)

at Pantech Prolabs India Pvt Ltd

05-07-2023

DATE
OF ISSUE

M.K.JEEVARAJAN

DIRECTOR
PANTECHSOLUTIONS
www.pantechsolutions.net

CERTIFICATE NO : CERT_M78R4N0Z

CIN NO : U80900TN2012PTC085936

PANTECHSOLUTIONS
Technology Beyond the Dreams

CERTIFICATE OF INTERNSHIP



This is to certify that

JEEVA J

has successfully completed

INTERNSHIP ON DEEP LEARNING (30 DAYS)

at Pantech Prolabs India Pvt Ltd

05-07-2023

DATE
OF ISSUE

M.K.JEEVARAJAN

DIRECTOR
PANTECHSOLUTIONS
www.pantechsolutions.net

CERTIFICATE NO : CERT_9ZD0N9Y6

CIN NO : U80900TN2012PTC085936

PANTECHSOLUTIONS
Technology Beyond the Dreams

CERTIFICATE OF INTERNSHIP

This is to certify that
PRAGADEESWARAN S



has successfully completed

INTERNSHIP ON DEEP LEARNING (30 DAYS)

at Pantech Prolabs India Pvt Ltd

05-07-2023

DATE
OF ISSUE

M.K.JEEVARAJAN

DIRECTOR

PANTECHSOLUTIONS

www.pantechsolutions.net



HATSM Software

164, North Veli Street, Madurai, TamilNadu 625001.

Web: www.hatsmsoftware.com Email: support@hatsmsoftware.com

Date: 26-June-2023

INTERNSHIP CERTIFICATE

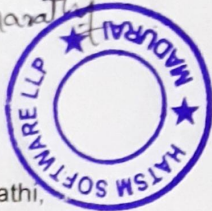
This is to certify that **S.Koushikan** has done his internship in **Hatsm Software**, Madurai from 12-June-2023 to 26-June-2023.

During his stay in the company as an Intern, he displays enthusiasm, self-discipline, and self-motivation.

We wish him all the best for his future endeavors.

Warm Regards,
For Hatsm Software LLP.,

P.Manibharathi



P.Manibharathi,
Operation Manager.



TM INNOVATIONS

West Market, Periyakulam Main Road, Theni - 625 531.

+91 80122 87319, +91 80122 87316

www.tminnovations.in

info@tminnovations.in

Date: 25-06-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Vijay Kumar R – [21UCS120]** student of Kamaraj College of Engineering and Technology, has undergone In plant Training from **12.06.2023 to 24.06.2023** at TM Innovations, Theni. This Training is about **Mobile App Development** in JAVA. We wish him to obtain a good position using this Skillset.

Sincerely,

Anand Raj. K

Founder & CEO

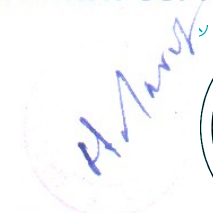
TM INNOVATIONS

Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Mr. KARTHIKEYAN T S (21UCS122)** pursuing Third Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **08th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, he found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager



Ref: TR/2023-2024/INT-KCE/10133

TO WHOM IT MAY CONCERN

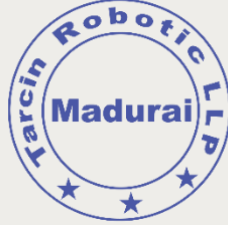
This is to certify that **Mr. BARATH DAVID S R**, (Reg No. **920421104015**) pursuing Computer Science and Engineering from Kamaraj College of Engineering, Virudhunagar has successfully completed his internship (*between 6th June 2023 to 17th July 2023*) at Tarcin Robotic LLP.

His internship activity includes Learning of **“Practical Skills in front-end and back-end development, database management and deployment strategies along with full stack Projects and The exposure to Real world cloud computing projects.”**

Details of the Project work can be found in the Internship Report.

During the period of his internship program with us, he had been exposed to different processes and was found punctual, hardworking and interested to learn from assigned project study.

We wish him every success in his life and career.



For TARCIN ROBOTIC LLP

A handwritten signature in blue ink, appearing to read "Dr. D. Raj".

Designated Partner

Tarcin Robotic LLP,
176, E 6th Street, KK Nagar,
Madurai, TamilNadu
contact@tarcinrobotic.in
+91 7010 86 9176
<https://tarcinrobotic.in/>

No.1, 1st Floor, Ponmeni Narayanan Street,
S.S. Colony, Madurai - 625 010.
E-Mail: info@webwalk.org
Contact: 8056361688,
0452-4368886



Internship Certificate

This is to certify that

V. JOHN RATHINAM

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

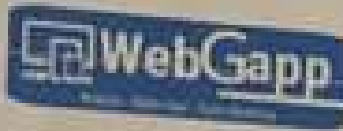
Web Development using ASP.NET

Held From 12-06-2023 *to* 28-06-2023

28-06-2023

Dated

S. Thange paralan.
Authorized Signatory



Office Address: No:40, AJ Complex, By-pass road, Madurai
E-mail: contact@webgapp.com
Website: www.webgapp.com

Ref: wp/webGA582

Date: 28/06/2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that MR.B.PRABHU, S/O S.Balasubramanian, Reg No: 920421104072 is a student of B.E in the Department of Computer Science & Engineering at Kamaraj College Of Engineering & Technology (Autonomous) located in k.Vellakulam Near Viruthunagar, Tamil Nadu.

Mr.B.Prabhu has successfully completed an internship program from 08/06/23 to 28/06/2023. During his internship, he demonstrated dedication, enthusiasm, and a strong willingness to learn. He actively participated in all assigned tasks and exhibited punctuality and diligence throughout the internship period. We appreciate his efforts and wish him all the best for his future endeavors.

Project developed during the internship program:

Developed a website using PHP, HTML, CSS and BOOTSTRAP.

We wish him every success in life.

For, WEBGAPP.

D. Subash

WEBGAPP

No : 40, A.J. Complex,

Pattukottai Kalyana Sundaram Street,

Bye Pass Road, Ellis Nagar,

MADURAI - 625 010.

Authorized Signature

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. NITHYA SRI.M, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023. During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. NITHYA SRI.M consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period.

We wish them all the best for their career.

Sincerely,


Balaji VP
Program Manager,
Priga Solutions




Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Mr. DHANASEKARAN M (21UCS019)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **CYBER SECURITY** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, he found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager



CERTIFICATE

OF INTERNSHIP


This is to certify that

Mr. PAVITHRAN R (21UCS026)

Student of BE (CSE) 3rd Year, Kamaraj College of Engineering and Technology, Madurai
has done Internship Training in Web Development at ILIFE TECHNOLOGIES, Trichy
from 12-06-2023 to 26-06-2023 has Completed Successfully.

26-06-2023

DATE



MANAGING DIRECTOR

CERTIFICATE

OF INTERNSHIP

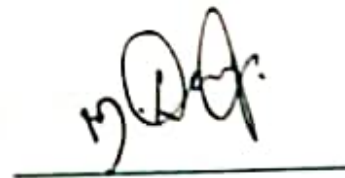
This is to certify that

Mr. SANJAY KUMAR K (21UCS029)

Student of BE (CSE) 3rd Year, Kamaraj College of Engineering and Technology, Madurai
has done Internship Training in Web Development at ILIFE TECHNOLOGIES, Trichy
from 12-06-2023 to 26-06-2023 has Completed Successfully.

26-06-2023

DATE



MANAGING DIRECTOR



Date: 07/07/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms E. Vishweshwaran
has successfully completed 30 Days of an Internship/~~Workshop/Industrial~~
Training in our organization from 07/06/2023 to 07/07/2023 in the department of
Data Sciene. He / She was highly motivated and hardworking. He/She
found to be sincere during the training and did a very good job

We wish him/her great success for his/her future endeavors


For KEVELLGURU

J. Jenitha
(Jenitha J)



 www.kevellguru.org

 academic@kevellguru.org

 33, Chitra Madhavan Enclave,
Hakim AjmalKhan Road
(Near Lady Doak College Back Gate),
Chinna Chokkikulam, Madurai-625002.

CERTIFICATE

OF INTERNSHIP

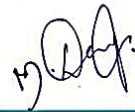
This is to certify that

Mr.VIGHNESH S (21UCS045)

Student of BE (CSE) 3rd Year, Kamaraj College of Engineering and Technology, Madurai
has done Internship Training in Web Development at ILIFE TECHNOLOGIES, Trichy
from 12-06-2023 to 26-06-2023 has Completed Successfully.

26-06-2023

DATE



MANAGING DIRECTOR



PHOENIX SOFTECH

Internship Certificate

This is to certify that

P. SUNIL

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Blockchain Technology

Held From 10-06-2023 *to* 25-06-2023

25-06-2023

Dated

Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

V. MANTKANDAN

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Blockchain Technology

Held From 10-06-2023 *to* 25-06-2023

25-06-2023

Dated

Authorized Signatory

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. BHARATHY.S, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023. During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. BHARATHY.S consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period. We wish them all the best for their career.

Sincerely,

Balaji VP

Program Manager,

PriGa Solutions



Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Mr. VIGNESH R (21UCS087)** pursuing Third Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **CYBER SECURITY** in our company from **08th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, he found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS

Manager

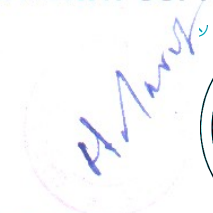


Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. SWATHI R (21UCS049)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. ASWINI.M, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023.

During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. ASWINI.M consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period.

We wish them all the best for their career.

Sincerely,


Balaji VP
Program Manager,
Priga Solutions

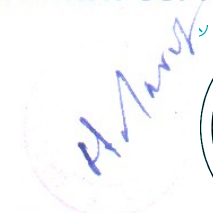


Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. ASHIKA DEULIN J (21UCS055)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager





PHOENIX INSTITUTE OF TECHNOLOGY

Internship Certificate

This is to certify that

A. KATHIRVEL

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar


has Successfully Completed the Internship Training on

Blockchain Technology

Held From 26-06-2023 to 10-07-2023

10-07-2023

Dated


Authorized Signatory



Date: 07/07/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms K. Magathi Lakshmi
has successfully completed 30 Days of an ~~Internship/Workshop/Industrial~~
Training in our organization from 07/06/2023 to 07/07/2023 in the department of
Data Science. He / She was highly motivated and hardworking. He/She
found to be sincere during the training and did a very good job

We wish him/her great success for his/her future endeavors

For KEVELLGURU

J. Jenitha
(Jenitha J)



www.kevellguru.org



academic@kevellguru.org



33, Chitra Madhavan Enclave,
Hakim AjmalKhan Road
(Near Lady Doak College Back Gate),
Chinna Chokkikulam, Madurai-625002.

Date: 30/06/2023

INTERNSHIP COMPLETION LETTER

This is to confirm that Mr. SRIRAM RATHINAVEL P [Roll.No: 21UCS058] a student of II BE CSE from KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI has successfully completed his internship in APPLICATION DEVELOPMENT USING FLUTTER in our Organization from 12th June'2023 to 30th June'2023. During this period he has shown keen interest and enthusiasm towards internship. We have found him to be motivated, self starter and committed team player.

Wish him all good luck.

For GENUINE IT SOLUTIONS



Project Manager

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. RUTHICK SREE.S, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023.

During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. RUTHICK SREE.S consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period.

We wish them all the best for their career.

Sincerely,


Balaji VP,
Program Manager,
Priga Solutions





PHOENIX SOFTECH

Internship Certificate

This is to certify that

J. BALAJI

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Blockchain Technology

Held From 10-06-2023 to 25-06-2023

25-06-2023

Dated

Authorized Signatory

1, 1st Floor, Perumal Narayanan Street,

Colony, Madurai - 625 010.

Mail: info@webwalk.org

Contact: 8858361688,

952-4368886



webwalk
infosys
— reach your search —

Internship Certificate

This is to certify that

B. AAKASH KUMAR

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using ASP.NET

Held From 12-06-2023 *to* 28-06-2023

28-06-2023

Dated

S. Thanga Pandian
Authorized Signatory



PHOENIX SOFTWARE

Internship Certificate

This is to certify that

N. SHYAM SREERAM

Student of

B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Blockchain Technology

Held from 10-06-2023 to 25-06-2023

25-06-2023

Date

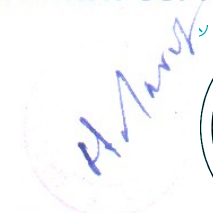
Authorized Signatory

Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. SURYA A (21UCS071)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. BABYPREETHI.M.S, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023. During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. BABYPREETHI.M.S, consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period.

We wish them all the best for their career.

Sincerely,

Balaji VP

Program Manager,

PriGa Solutions



Date: 30/06/2023

INTERNSHIP COMPLETION LETTER

This is to confirm that **Mr. SHIYAM A [Roll.No: 21UCS073]** a student of **II BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship in **APPLICATION DEVELOPMENT USING FLUTTER** in our Organization from **12th June'2023 to 30th June'2023**. During this period he has shown keen interest and enthusiasm towards internship. We have found him to be motivated, self starter and committed team player.

Wish him all good luck.

For GENUINE IT SOLUTIONS



Project Manager

Date: 30/06/2023

INTERNSHIP COMPLETION LETTER

This is to confirm that Mr. HARI PRASATH C [Roll.No: 21UCS075] a student of II BE CSE from KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI has successfully completed his internship in APPLICATION DEVELOPMENT USING FLUTTER in our Organization from 12th June'2023 to 30th June'2023. During this period he has shown keen interest and enthusiasm towards internship. We have found him to be motivated, self starter and committed team player.

Wish him all good luck.

For GENUINE IT SOLUTIONS



Project Manager



Date 07/07/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms J. Jabez Jerin
has successfully completed 30 Days of an Internship/~~Workshop~~/~~Industrial~~
Training in our organization from 07/06/2023 to 07/07/2023 in the department of
Data Science. He / She was highly motivated and hardworking. He/She
found to be sincere during the training and did a very good job.

We wish him/her great success for his/her future endeavors.

For KEVELL GURU

J. Jenitha

(Jenitha J)



www.kevellguru.org

academic@kevellguru.org

33, Chitra Madhavari Enclave,
Hakim Ajmal Khan Road
(Near Lady Doak College Back Gate),
Chinna Chokkulam, Madurai-625002.

Internship Certificate

This is to certify that

A. PRAKASH

Student of

B.E., (Computer Science and Engineering) from

Kamuraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using ASP.NET

Held From 12-06-2023 *to* 28-06-2023

28-06-2023

Dated

S. Thiruga Pandey
Authorized Signatory

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. JEMIMA.K, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023. During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. JEMIMA.K consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period. We wish them all the best for their career.

Sincerely,

Balaji VP,

Program Manager,

PriGa Solutions



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. ROOPA.S, a student of Kamaraj College of Engineering and Technology, has successfully completed an internship from 12th June 2023 to 14th July 2023. During the internship, he worked on the Booking Portal and actively performed the following responsibilities:

1. Participating Project Discussions
2. Training Sessions
3. Developing the minor module

Ms. ROOPA.S consistently exceeded our expectations with their outstanding performance. Their dedication to their role and responsibilities was commendable, and they showcased exceptional skills and knowledge throughout the internship period. We wish them all the best for their career.

Sincerely,

Balaji VP,

Program Manager,

PriGa Solutions

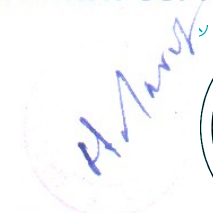


Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. KAVYA SRI VAIPAVA S (21UCS099)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager





Date 07/07/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms K. Saravanan
has successfully completed 30 Days of an Internship/Workshop/Industrial
Training in our organization from 07/06/2023 to 07/07/2023 in the department of
Data Science. He / She was highly motivated and hardworking. He/She
found to be sincere during the training and did a very good job

We wish him/her great success for his/her future endeavors

For KEVELLGURU

J. Jenitha
(Jenitha J)



www.kevellguru.org



academic@kevellguru.org



33, Chitra Madhavan Enclave,
Hakim AjmalKhan Road
(Near Lady Doak College Back Gate),
Chinna Chokkikulam, Madurai-625002.

No.1, 1st Floor, Ponmeni Narayanan Street,
S.S. Colony, Madurai - 625 010.
E-Mail: info@webwalk.org
Contact: 8056361688,
0452-4368886



Internship Certificate

This is to certify that

T. RAJA ASWIN

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using ASP.NET

Held From 12-06-2023 *to* 28-06-2023

28-06-2023
Dated

S.Thangavelan
Authorized Signatory

TEAMWORK SOLUTIONZ

TEAMWORK
Solutionz

+91 790 4567 207

info@teamworksolutions.co.in

www.teamworksolutions.co.in

18, Gurney Complex, 2nd Floor,
S.No : 316, Town Hall Road, Madurai - 625 001.



CERTIFICATE OF COMPLETION

This is to certify that
MANOJKUMAR R

a student of Kamaraj College of Engineering and Technology
has done his internship in Mobile App development
at TeamWork Solutionz from 06.06.2023 to 20.06.2023

He has worked on a project titled LOGYK ADS.

During his internship he has demonstrated his skills with self-motivation to learn new skills.
His performance exceeded our expectations and he was able to complete the project on time.
We wish him all the best for his upcoming career.

Thanking You !

Date : 03-07-2023

Place : MADURAI

TEAMWORK SOLUTIONZ
MADURAI - 625 001.

For Teamwork Solutionz
Project Manager



PHOENIX SOFTTECH

Internship Certificate

This is to certify that

G. MOHANA PRAKASH

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Blockchain Technology

Held From 10-06-2023 to 25-06-2023

25-06-2023

Dated

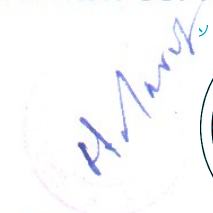
Authorized Signatory

Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. PRIYADHARSHINI R (21UCS105)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager

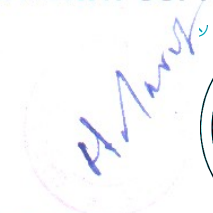


Date: 30/06/2023

INTERNSHIP COMPLETION CERTIFICATE

This is to certify **Ms. KAVIYA K (21UCS108)** pursuing Second Year **BE CSE** from **KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), MADURAI** has successfully completed his internship on **FLUTTER** in our company from **07th June 2023 to 29th June 2023** for a period of 4 weeks. During this tenure, she found to be Hard Working and Very Productive. The company wishes good luck in all future endeavors.

GATEWAY SOFTWARE SOLUTIONS


Manager





Date: 07/07/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms S. Arul Kumaran,
has successfully completed 30 Days of an ~~Internship/Workshop/Industrial~~
~~Training~~ in our organization from 07/06/2023 to 07/07/2023 in the department of
Data Science. He / She was highly motivated and hardworking. He/She
found to be sincere during the training and did a very good job

We wish him/her great success for his/her future endeavors

For KEVELLGURU

J. Jenitha

(Jenitha J)



www.kevellguru.org



academic@kevellguru.org



33, Chitra Madhavan Enclave,
Hakim AjmalKhan Road
(Near Lady Doak College Back Gate),
Chinna Chokkikulam, Madurai-625002.



Office Address: No:40, AJ Complex, By-pass road, Madurai.
E-mail: contact@webgapp.com
Website: www.webgapp.com

Ref: wp/web/GA586

Date: 28/06/2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **MR.D.SUGANESAN**, S/O S.P.Deivendran, Reg No: **920421104101** is a student of B.E in the Department of Computer Science & Engineering at Kamaraj College Of Engineering & Technology (Autonomous) located in k.Vellakulam Near Viruthunagar, Tamil Nadu.

Mr.D.Suganesan has successfully completed an internship program from 08/06/23 to 28/06/2023. During his internship, he demonstrated dedication, enthusiasm, and a strong willingness to learn. He actively participated in all assigned tasks and exhibited punctuality and diligence throughout the internship period. We appreciate his efforts and wish him all the best for his future endeavors.

Project developed during the internship program:

Developed a website using PHP, HTML, CSS and BOOTSTRAP.

We wish him every success in life.

For, WEBGAPP.

D. Subash

WEBGAPP

No : 40, A.J. Complex,
Pattukottai Kalyana Sundaram Street,
Bye Pass Road, Ellis Nagar,
MADURAI - 625 010.

Authorized Signature



C.No: JUN.WD.081

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. AKASH A (920420UCS042)

Has Successfully Completed INTERNSHIP Training Program
in "JAVA"

During 07.06.2023 TO 20.06.2023

Congratulations on a job well done!

N. Srinivas
Director



U. Srinivas
Technical Head

10, Prominent Narayanan Street,
Chennai, Madurai 625 010,
www.webwalk.org
Phone: 9042361688,
98408886



Internship Certificate

This is to certify that

P.S. SRI VIGNOV PANDIAN

Student of

B.E. (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-06-2023 to 02-07-2023

02-07-2023

Dated

S. Thanga pandian
Authorized Signatory

No. 1, 1st Floor, Ponnent Narayanan Street,
S.S. Colony, Madurai - 623 010
E-Mail: info@webwalk.org
Contact: 8056361888,
0452-4368886



Internship Certificate

This is to certify that

S. RAJ FLINTOFF

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

has Successfully Completed the Internship Training on

Web Development using PHP

Held From 19-06-2023 *to* 02-07-2023

02-07-2023

Dated

S. Thangavelu
Authorized Signatory



CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI -15.



CERTIFICATE OF INTERNSHIP COMPLETION

This is Awarded to

MANOJ KUMAR.S

For his outstanding completion of internship program at

CEDI

From 12/06/2023 *to* 06/07/2023

*. He is found to be Hardworking, Sincere and Diligent.
We wish him all the best for his future.*

Mr.G. Krishnan
Chief Executive Officer
CEDI -NITT

Dr.M. Umapathy
Professor (HAG)
Director, CEDI -NITT



PHOENIX SOFTECH

Internship Certificate

This is to certify that

J. SUBASH CHANDRA PANDIAN

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

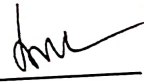
has Successfully Completed the Internship Training on

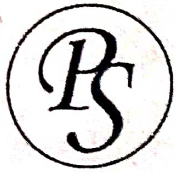
Python Programming

Held From 19-06-2023 to 02-07-2023

02-07-2023

Dated


Authorized Signatory



PHOENIX SOFTECH

Internship Certificate

This is to certify that

R. MANOSRI

Student of

B.E., (Computer Science and Engineering) from

Kamaraj College of Engineering and Technology, Virudhunagar

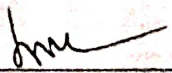
has Successfully Completed the Internship Training on

Java Script

Held From 14-06-2023 to 28-06-2023

28-06-2023

Dated


Authorized Signatory