



CRITERIA-1-CURRICULAR ASPECTS

1.3 : Curriculum Enrichment

1.3.3 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year) (10)

Program name	Program Code	List of students undertaking project work/field work/internship	Page No
B.E. CSE	104	AARTHI.R	42
B.E. CSE	104	ABIRAMI.M	30
B.E. CSE	104	AISHWARYA.A	26
B.E. CSE	104	AISHWARYA.R(12.12.99)	14
B.E. CSE	104	AISHWARYA.R(16.09.99)	51
B.E. CSE	104	AJITHKUMAR.P.J.K	38
B.E. CSE	104	ALAGURAJA.R	38
B.E. CSE	104	AMRUTHAA SHREE.R	51
B.E. CSE	104	ARUNKUMAR.S	38
B.E. CSE	104	BONSIYA.R	30
B.E. CSE	104	CHELLAPANDIAN.R	59
B.E. CSE	104	DINESH KUMAR.C	59
B.E. CSE	104	GURUPRABHU.R	10
B.E. CSE	104	GURURAJ.B	16
B.E. CSE	104	JEGANATHAN.R	16
B.E. CSE	104	KAVIYA.B.I.	42
B.E. CSE	104	KAVIYARASAN.A	59
B.E. CSE	104	KEERTHANA.G	14
B.E. CSE	104	KODEESWARAN.S	38
B.E. CSE	104	KOUSHIK ROMEL.J	46
B.E. CSE	104	LOGESWARI.S	55
B.E. CSE	104	MADHUBALA.S	55
B.E. CSE	104	MANOJ.K	16
B.E. CSE	104	MANOJ.S	20
B.E. CSE	104	MANUSHA.M	51
B.E. CSE	104	NAGAJOTHI.C	51
B.E. CSE	104	NATHIPRIYA.K	42
B.E. CSE	104	NATHISHKUMAR.R	6
B.E. CSE	104	NAVIN MANIKANDAN.S	20
B.E. CSE	104	NELSON.J	46
B.E. CSE	104	NITHISH KANNA.G	59
B.E. CSE	104	PARAMESHWARI.P	34
B.E. CSE	104	POOVAARASAN.M	6





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B.E. CSE	104	POOVENDRAN.K	10
B.E. CSE	104	PRAKASH KUMAR.S	10
B.E. CSE	104	PREETHI.A	34
B.E. CSE	104	RAJADURAI.R	46
B.E. CSE	104	ROFINA BEGAM.N	42
B.E. CSE	104	SANGEERANI.P	34
B.E. CSE	104	SASTIANANDHAN.M	10
B.E. CSE	104	SHARMA.A	6
B.E. CSE	104	SUBASRI.S	55
B.E. CSE	104	VIJAYALAKSHMI.S	26
B.E. CSE	104	VIJAYASHANTHI.M	30
B.E. CSE	104	YOGESH KANNA .S	20
B.E. CSE	104	PRASANTH.T	78
B.E. CSE	104	ARAVIND B	73
B.E. CSE	104	BHAVITHRA R	93
B.E. CSE	104	CHITRA B	83
B.E. CSE	104	GUNA DEVI I	73
B.E. CSE	104	KANMANI A	93
B.E. CSE	104	KARTHIGA JOTHI S	93
B.E. CSE	104	MUNEESHWARAN N	73
B.E. CSE	104	NIVETHA A	93
B.E. CSE	104	PALPANDI R	73
B.E. CSE	104	PRADAP S	83
B.E. CSE	104	RUTHRA A	98
B.E. CSE	104	SAFRINE BANU S	83
B.E. CSE	104	SANTHOSHINI V	98
B.E. CSE	104	SARANIYA M	98
B.E. CSE	104	SRIDHAR K	98
B.E. CSE	104	YOGESHWARAN V	83



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ONLINE PROJECT SCHEDULE

Year / Semester : IV / VIII

Batch : 2017 – 2021

Subject Code & Subject Name : CS8811 & Project Work

S.No.	Batch Number	Register Number	Name of the Student	Topic	Guide Name
1	1 (9.30am-9.45am)	920817104006	AISHWERYA SRI R	An Arduino Based Smart Water Channeling System to Farm Crops	Mrs. C. Kalpana, AP/CSE
2		920817104009	AMRUTHAA SHREE R		
3		920817104030	MANUSHA M		
4		920817104032	NAGAJOTHI C		
5	2 (9.50 am - 10.05 am)	920817104007	AJITH KUMAR P J K	DEFBOT (Definition Bot)	Mrs. C. Kalpana, AP/CSE
6		920817104008	ALAGURAJA R		
7		920817104010	ARUNKUMAR S		
8		920817104024	KODEESWARAN S		
9	3 (10.10 am - 10.25 am)	920817104017	GURUPRABU R	Tariff Stroll for Monetary Trading	Mrs. J.Prisca Mary, AP/CSE
10		920817104041	POOVENDRAN K		
11		920817104042	PRAKASH KUMAR S		
12	4 (10.30 am - 10.45 am)	920817104047	SASTIANANDHAN M	Smart Agriculture	Mrs. J.Prisca Mary, AP/CSE
13		920817104012	CHELLAPANDIAN R		
14		920817104015	DINESH KUMAR C		
15		920817104022	KAVIYARASAN A		
16		920817104038	NITHIS KANNA G		



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17	5 (10.50 am - 11.05 am)	920817104005	AISHWARYA R(12.12.99)	H-HR(Hand-Held Ring)	Mrs. J.Prisca Mary, AP/CSE
18		920817104051	VARSHA M		
19	6 (11.10 am - 11.25 am)	920817104025	KOUSHIK ROMEL J	A frame work for securing Decentralized Resources in cloud server using Block-Chain	Mrs. J.Prisca Mary, AP/CSE
20		920817104037	NELSON J		
21		920817104044	RAJADURAI R		
22	7 (11.30 am - 11.45 am)	920817104043	PREETHI A	Automatic Multi-purpose Helath and environment monitoring device for Covid 19	Mrs. V.Sujitha, AP/CSE
23		920817104039	PARAMESHWARI P		
24		920817104046	SANGEERANI P		
25	8 (11.50 - 12.05 am)	920817104018	GURURAJ B	"Photographic QR Cloud"	Mrs. V.Sujitha, AP/CSE
26		920817104020	JEGANATHAN R		
27		920817104028	MANOJ K		
28	9 (12.10 am - 12.25 am)	920817104004	AISHWARYA R (16.9.99)	Heart Disease Prediction	Mr.J.Dinesh, AP/CSE
29		920817104023	KEERTHANA G		
30	10 (1.00 pm - 1.15 pm)	920817104029	MANOJ S	online forum	Mr.J.Dinesh, AP/CSE
31		920817104036	NAVIN MANIKANDAN S		
32		920817104055	YOGESH KANNA S		
33	11 (1.20 pm - 1.35 pm)	920817104003	AISHWARYA A	e-devotinal Hub	Mr.J.Dinesh, AP/CSE
34		920817104052	VIJAYALAKSHMI S		
35	12 (1.40 pm - 1.55 pm)	920817104001	AARTHI R	Facemask Detection Using Convolutional Neural Networks	Mrs. C. Kalpana, AP/CSE
36		920817104021	KAVIYA B I		
37		920817104034	NATHIPRIYA K		
38		920817104045	ROFINA BEGAM N		



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39	13 (2.00 pm - 2.15 pm)	920817104002	ABIRAMI M	Online Voting System	Mrs. V.Sujitha, AP/CSE
40		920817104011	BONSIYA R		
41		920817104053	VIJAYA SHANTHI M		
42	14 (2.20 pm - 2.35 pm)	920817104035	NATHISHKUMAR R	Quantum Secure Encryption for Data Transfer Using Elgammal Algorithm	Mrs. C. Kalpana, AP/CSE
43		920817104040	POOVARASAN M		
44		920817104048	SHARMA A		
45	15 (2.40 pm - 2.55 pm)	920817104026	LOGESHWARI S	Alumini Tracking Management System	Mr.J.Dinesh, AP/CSE
46		920817104027	MADHUBALA S		
47		920817104049	SUBASRI S		

Project Coordinator

HoD - CSE



**QUANTUM SECURE ENCRYPTION
FOR DATA TRANSFER USING
ELGAMMAL ALGORITHM**



A PROJECT REPORT

Submitted by

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POOVARASAN.M (920817104040)

SHARMA.A (920817104048)

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APRIL 2021

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Embedding secret information into quantum carrier image for covert communication is one of significant research fields of quantum secure communication. In our Project, based on the fundamental principles of Quantum Mechanics, quantum secure communication can be implemented. Using good imperceptibility and high embedding efficiency of matrix coding, this project proposes a scrambling matrix graphical coding-based quantum steganography algorithm for quantum color images. Firstly, the scrambling matrix graphical coding is used to scramble the original information image.

Once the scrambling can be done it can be stored in the cloud. Then by using the semantic polynomial Elgamal algorithm will offer high range of security to the scrambled data. Initialization of the suggested security algorithm will generate a key for the secure message. Based on time-synchronization between the authentication server and the client the generated OTP can valid for a particular period of time. Then the OTP can be generated for getting the key information. After getting the security key the stored information (data and images) can gets accessed by the user separately. On account of experimental simulation obtained, it shows that the suggested algorithm has good performance in imperceptibility, security, efficiency and the capacity.

CHAPTER 6

CONCLUSION AND FUTURE WORK

Embedding secret information via Quantum secure communication is a field with lots of study about the possibilities of safer, more secure and efficient way of encrypting data.

In our project, with the use of Fundamental Principles of Quantum Mechanics, Quantum secure communication is implemented by using the high embedding efficiency of matrix coding and this project proposes a scrambling matrix graphical coding-based quantum steganography algorithm for quantum color images. The scrambling matrix graphical coding scrambles the original information image and then it is stored in the cloud. After the generation of the key for the secure message, an OTP is also generated for a particular period of time and it is used to access the data.

The semantic polynomial Elgamal algorithm will offer high range of security to the scrambled data. Hence with the use of the semantic polynomial Elgamal algorithm we have obtained results with good performance in imperceptibility, security, efficiency and the capacity.

FUTURE SCOPE

1. Steganography on the World Wide Web

The world wide web(www) makes extensive use of inline images. There are literally millions of images on various web pages worldwide. It may be possible to develop an application to serve as a web browser to retrieve data embedded in web page images. This stego-web could operate on top of the existing WWW and be a means of covertly disseminating information.



TARIFF STROLL FOR MONETARY TRADING



A PROJECT REPORT

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MARCH 2021

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Machine learning methods have recently seen a growing number of applications in financial trading. Developing machine learning-based methods for financial trading is not straightforward, requiring carefully designed targets/rewards, hyperparameter fine-tuning, and so on. Further, most of the existing methods are unable to effectively exploit the information available across various financial instruments. In this article, we propose a deep reinforcement learning-based approach, which ensures that consistent rewards are provided to the trading agent, mitigating the noisy nature of profit-and-loss rewards that are usually used. To this end, we employ a novel price trailing based reward shaping approach, significantly improving the performance of the agent in terms of profit, sharp ratio, and maximum drawdown. Furthermore, we carefully designed a data preprocessing method that allows for training the agent on different FOREX currency pairs, providing a way for developing market-wide RL agents and allowing, at the same time, to exploit more powerful recurrent machine learning models without the risk of overfitting. Price of the land value is not confused with site value or mortgages or anything else present that would otherwise change the site's value. Land values increase when demand for land exceeds the supply of available land or if a particular piece of land has an intrinsic value greater than neighboring areas.

CHAPTER 13

CONCLUSION

13.1 CONCLUSION:

Due to the recent climate changes and their consequences such as flash floods and droughts, there is a need for Land Use Land Cover mapping to monitor environmental changes which have effects on ecology, policy management, health, and disaster management. It should be noticed that recent droughts caused by climate change, and on the other hand, population growth has increased the rate of urbanization in Iran, where people are moving from rural areas to urban areas. In this study, two well-known machine learning classifiers, including Support Vector Machine (SVM) and Complex Tree (CTree), are used for land cover mapping. Using machine learning we can easily analyze the land.

13.2 FUTURE WORK:

In future we can developed new feature and techniques by using neural networks it is high accuracy compare to machine learning.

SAMPLE CODE:

```
<html>
<head>
<title>Tariff Stroll</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-
scale=1">
  {% load static %}
<link href="{% static 'css/style.css' %}" rel="stylesheet" type="text/css"
```



HEART DISEASE PREDICTION

A PROJECT REPORT

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KEERTHANA.G (920817104023)

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JULY 2021



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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

In India one in fourth of the deaths are caused by heart issues. A major challenge facing healthcare organizations(hospitals, medical center) is provision of quality service at affordable cost. Quality service implies diagnosing patients correctly and administering treatments that are effective. when people suffer with any kind of abnormal health condition, they need to fix their appointment in the hospital and visit out there wait for results and lot more. This is a lengthy process. so to avoid this we have a good solution through which patient can instantly check their body condition using our web application along with Data mining technique namely Decision trees, Naive Bayes and Neural network . Using this web application a patient from anywhere at any time will be able to analyze his/her health condition by simply updating his /her blood pressure rate , weight , heart beat rate , etc.. Based on the users answer , it can discover and extract hidden knowledge associated with heart disease from a historical heart disease prediction. Therefore, the web application is very protective and the patient can get instant result of their body condition.

CHAPTER 10

CONCLUSION

We follow many types of methods to predict heart disease. Still people are dying due to heart disease. So, We are in the need of an instant heart check up . This web application will be a remedy to this problem. Here , we use naive bayes algorithm to predict heart disease. It has an accuracy of 86.6%.

10.1 Future Enhancement:

IHDPS can be further enhanced and expanded. For example, it can incorporate other medical attributes besides the 15 listed . It can also incorporate other data mining Techniques, e.g., Time Series, Clustering and Association Rules. Continuous data can also be used instead of just categorical data. Another area is to use Text Mprint(a,"+",b,"=",a+b) .

Mining to mine the vast amount of unstructured data available in Healthcare databases. Another challenge would be to integrate data mining and text mining .



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PHOTOGRAPHIC QR CLOUD

A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

A photography has an enormous amount of category and most unskippable from People is professional photography. Photos creates a beautiful memory and it is very important to everyone. In professional photography photographic studio plays an important role, in studio photographers are suggested to store customer's photo by Name, Serial number, and Date but there are some issues occurring while retrieving a photo in some cases photos had been lost. To maintain the customer photo, where are applying QR (Quick Response) code to overcome some issues like date mismatch, data loss in searching familiar names QR code will be allocated to every customer, all data will be stored and able to view history of data in the google cloud.

CHAPTER 10

CONCLUSION AND FUTURE ENHANCEMENTS

- In Photography keeping photos without any loss is very important in this project we had done and keeping photos without any loss.
- Future storage is Cloud we are using Cloud Technology and sustaining in update of Technology and it prevent from data crash malwares.
- To make everything easy QR Code is a good idea to implement in this project and to get all History of customer data.
- In Future we can enable SMS and offer popup to the customer by creating a website and viewed using QR Code.
- This will bring a new change to Photo studio and it will be easy to handle by everyone.



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**ONLINE DISCUSSION FORUM
USING WEB APPLICATION**



A PROJECT REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Hypertext Preprocessor named “**Online Discussion Forum**” is the place where persons after creating their account can share their ideas and make discussions on various topics. It’s a technical discussion form, where users will be able to enter questions and get answers on various technical and other topics. For example, the topic can be related to PHP, Java, general knowledge, English, maths, hibernate etc. Each type of questions will be under particular forum. Registered users will be allowed to enter questions, provide answers to the questions, get personal messages to their notification area, make reply to other existing posts etc. We have used standard WYSIWYG editor to enter questions and get answers in formatted manner. Even the attachments can be made with particular posts through technical online discussion form developed in PHP.

CHAPTER 12

CONCLUSION

It is concluded that the application works well and satisfy the both registered and registered. The application is tested very well and errors are properly debugged. The site is simultaneously accessed from more than one system.

The site works according to the restrictions provided in their respective browsers. The speed of the transactions become more enough now. In this site the user can search the appropriate answers for their questions. They can view their favorable questions, articles and inventions.



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e-DEVOTIONAL HUB



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INTERNAL EXAMINER

EXTERNAL EXAMINER


ABSTRACT

People are facing different kinds of problems in their day-to-day life. Likewise, one of the problems is 'Formation of crowd' everywhere. Though crowd formation was not a problem before covid-19. But after encountering it, crowd was the one and only main issue faced by the society. Mostly the crowded areas are shopping malls, temples and etc. From the above-mentioned areas crowd can be avoided using online platform except temple. As, there is no solution for devotional areas and people were suffering to visit temples. To overcome such problems 'Scheduling' is the best way. It can be viewed 'Simply' in normal time and also can be viewed 'Specially' during pandemic (COVID-19) time. Some of the temples are using online booking system, but bringing all temples in one hub enables user to explore more temples and to avoid the crowd formation. Using web technologies, we can control the people's entry by implementing the solution called "e-Devotional hub", which connects all small to large temples in our state. This is a web application that is compatible in a cross-platform support, that helps people to book their slots for their respective temples. This is one of the best solutions for pandemic time, because government insisted to maintain social distancing during lockdown, which is also applicable for new normal.

CHAPTER 8

CONCLUSION AND FUTURE ENHANCEMENTS

- “Do not blame the world, find a solution.” Likewise, this COVID-19 situation can't stop us from our routine lifestyle. Our proposal strongly follows all the Government rules as well as people's wish and also focuses on the revenue of the respected temple administrative.
- Further the proposed system can be enhanced in future by implementing in all other state and also by adding AI – speech recognition to access and operate the website.


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ONLINE VOTING SYSTEM



A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

Voting is when a group of people decide something by saying what they want. It can be for electing a leader or representative, passing a law, and other things. When people are done voting, the votes are counted and the side that gets the most votes wins. Voting can be done in small groups, societies, nations and global. Usually the side that gets most votes will win. This is called majority rule. The word “vote” means to choose from a list, to elect or to determine. Most countries have problems when it comes to voting. Some of the problems involved include rigging votes during election, insecure or inaccessible polling stations, inadequate polling materials and also inexperienced personnel. The online voting/polling system seeks to address the above issues. It should be noted that with this system in place, the users, citizens in this case shall be given ample time during the voting period. They shall also be trained on how to vote online before the election time.

Front end: html, php

Back end: Mysql

CHAPTER 10

CONCLUSION

This Online Voting system will manage the Voter's information by which voter can login and use his voting rights. The system will incorporate all features of voting system. It provides the tools for maintaining voter's vote to every party and it count total number of votes of every party. There is a DATABASE which is maintained by the ELECTION COMMISSION OF INDIA in which all the names of voter with complete information is stored.

In this user who is above 18 year's register his/her information on the database and when he/she want to vote he/she has to login by his id and password and can vote to any party only single time. Voting detail store in database and the result is displayed by calculation. By online voting system percentage of voting is increases. It decreases the cost and time of voting process. It is very easy to use and it is very less time consuming. It is very easy to debug.

10.1 Future enhancement

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional the client is now able to manage and hence run the entire work in a much better, accurate and error free manner.

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AUTOMATIC MULTIPURPOSE HEALTH MONITORING DEVICE FOR COVID-19



A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

Corona virus disease 2019 (COVID -19) has become a global pandemic since the beginning of 2020, it has been spreading rapidly from human to human. Social distancing is the best solution to procrastinate people from the disease. Manpower is the most available source in many places. In this project wearable device are developed to monitor health conditions with temperature rise alert. Our idea is preferable in hospitals and public sectors to maintain social distance. The main reason for measuring temperature is to maintain social distancing. Our project is to develop contact-less thermometer to measure temperature, which will be displayed. The main control devices are Arduino Nano and infrared thermometer sensor. Compared with the traditional thermometer, it shows strong points such as convenient reading, wide range of temperature measurement and accuracy where temperature output is displayed digitally. Besides, our developed wearable device would be used everywhere because of its easy handling.

CHAPTER-9

CONCLUSION AND FUTURE ENHANCEMENT

- Researchers are investigating each possible choice for fighting the coronavirus pandemic . and modern technology represents to a captivating road.
- While technology advances have entered into our day by day lives with numerous victories . they have additionally added to helping people in the very intense battle against COVID-19.
- This project is to build up an embedded system that check health parameters with automatic alerting. The embedded assistant developed has potential applications ranging from chemical industries to comfortable scenario inside homes.
- The temperature sensor which is used in the system has the field of view of 90 degrees . In future this can be replaced by the sensor having field of view of 360 degrees.
- This is the first step in the next evolution in the field of Healthcare.
- We will work towards bringing a fresh and interactive platform in the Healthcare Platform.


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DEFBOT
(DEFINITION BOT)



A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

“Knowledge is the only thing that never fades away.” There are various methods to obtain knowledge. During our school days, we used to obtain knowledge from our teachers and parents. Some of us will make use of libraries to gather more information and to seek for special topics to learn something new. Nowadays we are surfing internet for more information based on our interests. Likewise it goes on. The source may vary, but gaining knowledge never changes. We all are aware of major things and some of us are experts in some things too. But when it comes to provide an official statement, we are not ready for that. The main problem is we are not clear with definitions.

Definition is the most important thing that unifies all to understand the basic of what it is. Without defining, the concept goes wrong. For that a unique solution is created named “DEFBOT”. This bot will provide definitions based on the topic / heading as an input by recognizing the user’s speech. The delivery of definitions will be in the form of speech, so that user can listen the definitions clearly. And when it comes to implementation, the most common question is where to implement? But the simple answer is we can implement wherever the need is there. For example, in a college, it is possible to implement in a department to know the definitions of that department’s core. Similarly in a railway station, the DEFBOT helps the user to know the definitions of railways related terms.

“We might be confused before knowing definitions, but after understanding definitions, we should be able to define.”

CHAPTER 7

CONCLUSION

Generally we all used to maintain some records in a proper form. The main aim of such records is to recollect or to retrieve whenever and wherever we want. The most effective form and almost everyone will prefer voice assistants. Such voice assistants can be used with our records to retrieve the required data whenever we want just in the form of voice. Instead of searching, filtering manually, bots will do the entire tasks and it will deliver the required thing we want. It is a boon to differently-abled people.

“Instead of repeating the tasks, we can just automate it.”

7.1 FUTURE ENHANCEMENT

All preferable languages could be added and according to users' choice, they can retrieve or obtain what they want from the bot. Apart from virtual assistant, DEFBOT could also be created as a physical product.

“Observations for the drawbacks and Updates for the development”



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**FACEMASK DETECTION USING
CONVOLUTIONAL NEURAL
NETWORKS**



A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

COVID – 19 pandemic has rapidly increased health crises globally. It is an extremely transmissible virus that is discharged through breathing droplets released from an infected individual who is talking, sneezing, or coughing. Close interaction with a person infected or through touching a Contaminated Surface and object can spread the virus rapidly. As of now, there is no vaccine to Combat the COVID – 19 and is affecting our day-to-day lifestyle. So, the best Protection Mechanism for survival recommendation is to wear a safe facemask, stay protected against the transmission of Corona virus. Wearing facemasks and following safe Social Distancing are the two enhanced safety protocols need to be followed in public places in order to prevent the spread of the virus. Monitoring manually if the individuals are wearing facemask correctly and to notify the victim in public and crowd areas is a difficult task. To create safe environment that contributes to public safety, we propose an efficient facemask detection to detect the presence of a facemask on human faces on Live Streaming via Webcam and as well as on images. To build a real – time facemask detection model we use a Convolutional Neural Networks (CNN) which is a class of Deep Neural Networks (DNN) . most commonly used in image classification and recognition. Using Kaggle datasets, the proposed system / model is trained and examined. The system runs in real-time with the help of OpenCV and MobileNet and it detects if an individual wear a facemask. If not the individual is spotted and reported to the corresponding authority.

CHAPTER 11

CONCLUSION AND FUTURE ENHANCEMENT

To avoid the spread of corona virus, we have modeled a face mask detector using deep learning and transfer learning models in neural networks and some machine learning packages such as TensorFlow, Keras and OpenCV. It can be implanted in organizations, schools, universities, shopping malls, etc. which helps to monitor individuals automatically whether they are wearing facemask, if not spot them and report to higher authorities. This model helps to break the chain of spreading of virus and reduces the positive cases which are rapidly increasing day-by-day. The model can be further improved to identify a person if he is doing any crime by wearing face mask, to detect if the mask is virus prone or not i.e. the type of mask is surgical, N95.



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**A Framework For Securing
Decentralized Resources in Cloud
Server Using Block-Chain**



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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

To process the secure database, a server/node in CSP has to be “empowered” with two features equipping a server secure processor and having the database encryption key stored inside the processor chip. We refer these “empowered” servers/nodes as secure servers/nodes. A normal server/node (without neither server secure processor nor database encryption key) is not capable of processing the encrypted database. To query the outsourced database, the database owner communicates with a single secure server as if the entire database is stored in it. In CSP, outsourced encrypted database is partitioned and stored in a distributed manner, whereas the secure server manages the query processing on such distributed database. To address security measures of the data that has been distributed in the outsourced database has been processed with various features which has been explained as, the database owner communicates with a single secure server as if the entire database is stored in it. In CSP, outsourced encrypted database is partitioned and stored in a distributed manner, whereas the secure server manages the query processing on such distributed database. The desired data of the user will be distributed and stored in multiple number nodes which reduces the chance of accessing data by the attackers. The stores his data in a particular cloud server from which the server distributes the user data in to multiple number of nodes based on the availability and user performance. It increases the security of the user data that has been stored in the cloud. As of that the attacker seemed to be unable to access the data as it has been distributed to n - number of nodes which provides zero knowledge about the data to the attacker or the hacker who tries to obtain the information stored by the user. Every user has been provided with asymmetric keys to secure their data. Every time the user the user has been provided with asymmetric keys for better security reasons. Additionally we propose honey encryption algorithm

which holds the function of providing duplicate or empty data to the attacker, in case the attacker retrieves the user data from the cloud server.

CHAPTER 11

CONCLUSION

This paper presents a novel processor architectural design to perform secure and efficient query processing on an encrypted database. With minimal modifications to the database application software, our proposed processor architecture, CypherDB, can achieve a higher security and performance efficiency when compared with solutions using homomorphic encryption or trusted coprocessor. Our simulation results show that it introduces on average 10% performance overhead and 14% executed instruction count overhead and 28% storage overhead. Further reduction in the performance and instruction count overhead may be possible via register sharing of the attribute seed and the program execution. Our work is being extended in several directions. One interesting direction would be to incorporate our system into an In-Memory database environment, which potentially is more efficient in accessing data. Another direction relates to the use of vector processing in the modern processor systems. Finally block-chain has been implemented for better security and to maintain the entire system and its data in a confidential manner.

FUTURE ENHANCEMENT

Re-designing the processor architecture to encrypt the off-chip memory was also extensively studied. These approaches use solely hardware mechanism to encrypt the entire off-chip memory, including the code and data, as a whole. This heavily prohibits database virtualization in the cloud because re-encryption is required when the data migrates from one storage/computational node to another.



**An Arduino Based Smart
Ample Water Channeling
System to Farm Crops**



A PROJECT REPORT

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INTERNAL EXAMINER

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ABSTRACT

Water is indispensable for all lives and agriculture, it transports nutrients and sugars from soil to the plants. Human directly or indirectly bank on plants for several of their requisite. Water level irrigated for the plants is checked to prevent deficit or over pour, to maintain plants growth. The system proposed here also reduces manpower. It uses UNO R3 Dev Arduino Board, a 5V soil moisture sensor, a trigger expansion Board, a motor to pump water and simple power bank for power supply. With the concept of dielectric permittivity of soil, the soil moisture sensor uses capacitance to measure the humidity or water content of the soil. The humidity derives the high volt when it is low which generates the motor and pump water and vice versa. The voltage produced is directly proportional to the dielectric permittivity. Drip Irrigation System is used whereas no need of any network or Bluetooth connectivity. Since, the soil much humidity and no need of volt supply, the current is not wasted in case of absence of gardener or farmer. These can lead to benefits such as less manpower, with less usage of water and no water pollution can upgrade the prosperity of plants and can support farm's growth.

CHAPTER 12

CONCLUSION AND FUTURE ENHANCEMENTS

12.1 CONCLUSION

- We would like to conclude that it is immense learning experience while preparing the project. The complexity of the project was broken in to parts and are classified again and well defined .
- To state on the concluding on the automatic ample water supply project, the process can be effectuated with no larger money or time consumption .
- This may include the masses bring together the above explained applications on their farmlands for their betterment with no deeper knowledge of technology.

12.2 FUTURE ENHANCEMENT

- This idea is to be implemented in larger agricultural field with large power supply and heavy working sensors.
- The future of the IOT may get advanced to the industrial internet through increased internet agility, Integrated Artificial Intelligence (AI) and the capacity to deploy, automate , orchestrate and secure diverse use cases at hyper scale.
- Future Growth in the coming years will be possible thanks to new sensors, more computing power and reliable mobile connectivity.
- By 2025 there will be more than 21 Billion such IOT inventions and devices.
- The project exposed is very apt and supportive and will distribute the knowledge for various users and may help hand - in -hand for the smart city initiatives.

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**ALUMINI TRACKING
MANAGEMENT SYSTEM**



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INTERNAL EXAMINER

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ABSTRACT

Alumni tracking management system has been designed using ASP.NET-SQL SERVER where in many user-friendly form controls have been added in order to make in a user interactive application. This project which stores alumni database which makes proposed system will be on-line so it can be accessed by alumni anywhere. There are many records such as alumni details, course details, funds, membership details, etc. handling all the records is a difficult task for the user this product provides easy way for maintaining records of the graduates .To allow old and new students of a college to communicate with each other. This allows students to know about each other and their current activities

CHAPTER 10

CONCLUSION

The Alumni Tracking System is mainly used to share the views between the users of the application which is very useful to upgrade the knowledge of everyone. The application is also serve as a useful site to know what is going on in our in our college and can also know about the various opportunities of the outer world.

Our Alumni system solves the problem concerned with graduate's feedback to the faculty with an inquiry module. In this module the faculty can define questions with answers which active graduates can respond. This module should be used for collecting data which are not included in graduate's profiles and have high information value for the faculty.

FUTURE ENHANCEMENT

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system and can be adaptable to desired environment.
- Because it is based on object-oriented design, any further changes can be easily adaptable.
- Based on the future security issues, security can be improved using emerging technologies.
- Attendance module can be added



SMART AGRICULTURE



A PROJECT REPORT

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “ SMART AGRICULTURE ” is the bonafide project work of “R.CHELLAPANDIAN (920817104012), C.DINESHKUMAR (920817104015), A.KAVIYARASAN (920817104022), G.NITHIS KANNA (920817104038) ” who carried this work under my supervision.



SIGNATURE

Mr.J.VISWANATH, M.E.,

HEAD OF THE DEPARTMENT,

ASSISTANT PROFESSOR

Computer Science and Engineering,

NPR College of Engineering

Technology, Natham,

Dindigul-624401



SIGNATURE

Mrs.J.PRISCAMARY, M.E.,

SUPERVISOR

ASSISTANT PROFESSOR

Computer Science And Engineering

NPR College of Engineering and

Technology, Natham,

Dindigul-624401.

Submitted for the project Viva – Voce examination held on 04/08/2021 at NPR College of Engineering and Technology, Natham



INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Internet of Things (IoT) technology has evolved in each and every field of common man's life by making everything smart and intelligent. IoT based devices is day by day changing the face of agriculture which helps in production of crops by not only upgrading it but also making it cost-effective and reducing wastage. These project is to propose a Smart IoT based Agriculture Stick that will farmers in getting live Data of Temperature, Soil Moisture, etc and other factors for efficient environment monitoring which will help them to do smart farming and increase their overall yield and quality of products. The Agriculture system is integrating with animal monitoring for crop safety, Breadboard and mixed with different various sensors and live data feed can be obtained online through mobile phone. The product being proposed is tested on Live Agriculture Fields giving high accuracy in data feeds in different soil condition at different locations.

CHAPTER 8

CONCLUSIONS & FUTURE ENHANCEMENTS

Continuous cropping without the adequate measurement and provisioning of the soil nutrient may endanger the sustainability of the agriculture. Soil nutrient measurement is greatly required for proper plant growth and effective fertilization. A key in soil testing for formulated fertilization is to determine the amount of soil nutrients, followed by recommendation of the nutrient needs and site specific fertilization. By installing this system, it will measure soil nutrient with concurrent animal monitoring. This system works automatically without human intervention and it will be active 24*7. This prevents the human confrontation with elephants. So, by utilizing this technology, average of 200 human lives and 45 elephant lives can be saved per year. In the future, there will be a large scope, this project can also be developed by measuring various parameters including detection of Elephant's weight, odor and sound. IoT technology can also be implemented. By executing these ideas, we can prevent crop raiding and destruction to human lives. By using acoustic sensor, sounds of animals can also be detected.



Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

**N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.**



C3 TECHNOLOGIES

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52/33, T.Nagar 3rd Cross, Ramanathapuram, Coimbatore -641 045.

Ph: 72000 55778 / 98435 55778.

E-mail: c3technologiescebe@gmail.com

Date: 14.08.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham,
Dindigul-624 401.

Dear Sir,

Sub: In-plant training- reg.

We wish to conform that the below listed students for inplant training from 07.09.2020 to 14.09.2020 in our organization. During the period of inplant training the students have to follow the rules and regulations in our organization. Submission of bonafide certificate at the time of training is mandatory.

S. No.	Name of the student	Register Number	Year & Branch
1.	Arunkumar. S	920817104010	IV CSE
2.	Chellapandian. R	920817104012	IV CSE
3.	Hariprasath. T	920817104019	IV CSE
4.	Natishkumar. R	920817104035	IV CSE

We appreciate your interest in our company.


Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES


Managing Director



C3 TECHNOLOGIES

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52/33, T.Nagar 3rd Cross, Ramanathapuram, Coimbatore -611 045.

Ph: 72000 55778 / 98435 55778.

E-mail: c3technologiesche@gmail.com

Date: 21.09.2019

CERTIFICATE OF IN-PLANT TRAINING

This is to certify that Mr. Arunkumar.S from NPR College Engineering and Technology has successfully completed Inplant training from 07.09.2020 to 14.09.2020 In our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director



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Ph: 72000 55778 / 98435 55778.

E-mail: c3technologiesche@gmail.com

Date: 21.09.2020

CERTIFICATE OF IN-PLANT TRAINING

This is to certify that Mr. Chellapandian.R from NPR College Engineering and Technology has successfully completed inplant training from 07.09.2020 to 14.09.2020 in our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Matham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director



C3 TECHNOLOGIES

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Ph: 72000 55778 / 98435 55778.

E-mail: c3technologies@gnul.com

Date: 21.09.2020

CERTIFICATE OF IN-PLANT TRAINING

This is to certify that Mr. Hariprasath.T from NPR College Engineering and Technology has successfully completed inplant training from 07.09.2020 to 14.09.2020 in our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director



C3 TECHNOLOGIES

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Ph: 72000 55778 / 98435 55778.

E-mail: c3technologiescbc@gmail.com

Date: 21.09.2020

CERTIFICATE OF IN-PLANT TRAINING

This is to certify that Mr. Natishkumar.R from NPR College Engineering and Technology has successfully completed inplant training from 07.09.2020 to 14.09.2020 in our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigui (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director

18th, Aug' 2020

To

The Principal,
NPR College of Engineering & Technology,
Natham, Dindigul – 624 401.

Dear Sir,

Sub: Inplant training-Reg.


We are pleased confirm that the following listed students are permitted to undergo inplant training in our company from 03.09.2020 to 10.09.2020. At the time of joining the students should submit the bonafide certificate.

S. No.	Name of the student	Register Number	Year & Branch
1.	Abirami. M	920817104002	IV CSE
2.	Alaguraja. R	920817104008	IV CSE
3.	Amruthaashree. R	920817104009	IV CSE
4.	Gururaj. B	920817104018	IV CSE

Yours Sincerely,
For CMS IT Services Pvt Ltd.,

Authorized Signatory




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Licensee :: Entrust Technoservices Pvt. Ltd.



3rd Floor, TABS Complex, Opp. American Hospital, 41, Bharathidasan Salai, Cantonment, Trichy – 620 001

Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

21st Sep' 2020

To Whom So Ever It May Concern

This is to certify that Ms.Abirami M, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone Inplant training from 03.09.2020 to 10.09.2020 in our organization.

During the period of his training, he had shown keen interest towards learning.

He demonstrated good design skills with self-motivated attitude to learn new things.

We wish him future endeavor.

Yours Sincerely,
For CMS IT Services Pvt Ltd.,


Authorized Signatory, 




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Licensee :: Entrust Technoservices Pvt. Ltd.



3rd Floor, TABS Complex, Opp. American Hospital, 41, Bharathidasan Salai, Cantonment, Trichy – 620 001
Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

21st Sep' 2020

To Whom So Ever It May Concern

This is to certify that Mr. Alaguraja R, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone Inplant training from 03.09.2020 to 10.09.2020 in our organization.

During the period of her training, she had shown keen Interest towards learning.


She demonstrated good design skills with self-motivated attitude to learn new things.

We wish her future endeavor.

Yours Sincerely,
For CMS IT Services Pvt Ltd.,


Authorized Signator 




Dr. J.SUNDARARAJAN,
E.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

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Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

21st Sep' 2020

To Whom So Ever It May Concern

This is to certify that Ms. Amrutha Shree R, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone inplant training from 03.09.2020 to 10.09.2020 in our organization.

During the period of her training, she had shown keen interest towards learning.


She demonstrated good design skills with self-motivated attitude to learn new things.

We wish her future endeavor.

Yours Sincerely,
For CMS IT Services Pvt Ltd.,


Authorized Signatory





Dr. J.SUNDARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

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Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

21st Sep' 2020

To Whom So Ever It May Concern

This is to certify that Mr.Gururaj B, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone inplant training from 03.09.2020 to 10.09.2020 in our organization.

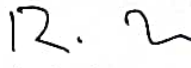

During the period of her training, she had shown keen interest towards learning.

She demonstrated good design skills with self-motivated attitude to learn new things.


We wish her future endeavor.

Yours Sincerely,

For CMS IT Services Pvt Ltd.,


Authorized Signator 




Dr. J.SUNDARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

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Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

Date: 19.08.2020

To

The Principal
NPR College of Engineering & Technology
Natham

Dear Sir,

Sub: Acceptance of inplant training in our Company –Reg.

We would like to conform that the below listed students has undergone In-plant training in our company. Here are the terms of in-plant training with the company

1. Duration of training will be from 14.09.2020 to 21.09.2020
2. The students will not be entitled or any other benefits from the company during this tenure.
3. During the training, you are expected to abide code of conduct prescribed, by the company for all the employees.
4. Students must submit the bonafide at the time of training.
5. The listed students are Mr. Aravind B, Ms. Gunadevi I, Mr. Muneeshwaran N, Mr. Palpandi R.

Please feel free to contact us in case of further details. Wishing you good luck for your future endeavours.

For Xplore IT Corp

Authorized Signatory



Dr. **SUNDARARAJAN**,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 23.09.2020

CERTIFICATE OF COMPLETION

This is to certify that Mr. Aravind B, student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Inplant training from 14.09.2020 to 21.09.2020.

During this period her performance was found good.

We wish her good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP

Design Your Desire

For Xplore IT Corp



Authorized Signatory



Dr. J. SUNDARARAJAN

B.E., M.Tech., Ph.D.

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624401.

Date: 28.09.2020

CERTIFICATE OF COMPLETION

This is to certify that Ms. Gunadevi I, student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Inplant training from 14.09.2020 to 21.09.2020.

During this period his performance was found good.

We wish him good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP
Design Your Desire

For Xplore IT Corp


Authorized Signatory




Dr. J. SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



XPLORE IT CORP
IT / ITRS TRAINING SERVICES

No. 18, SRT RANI COMPLEX, 2ND FLOOR
KALINGARAYAN STREET, RAMNAGER
COIMBATORE - 641 009
INFO@XPLOREITCORP.COM
WWW.XPLOREITCORP.COM

Date: 28.09.2020

CERTIFICATE OF COMPLETION

This is to certify that Mr. Muneeshwaran N student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed inplant training from 14.09.2020 to 21.09.2020.

During this period his performance was found good.

We wish him good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP

Design Your Desire

For Xplore IT Corp

Authorized Signatory



Dr. JSUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology

Natham, Dindigul (Dt) - 624 401.

OUR GOAL IS TO HAVE CUSTOMER SERVICE THAT IS NOT JUST THE BEST BUT LEGENDARY



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IT/ITES TRAINING SERVICES

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COIMBATORE - 641 009
INFO@XPLOREITCORP.COM
WWW.XPLOREITCORP.COM

Date: 28.09.2020

CERTIFICATE OF COMPLETION

This is to certify that Mr. Palpandi R student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Inplant training from 14.09.2020 to 21.09.2020.

During this period his performance was found good.

We wish him good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP
Design Your Desire

For Xplore IT Corp

Authorized Signatory



Dr. J. SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

OUR GOAL IS TO HAVE CUSTOMER SERVICE THAT IS NOT JUST THE BEST BUT LEGENDARY



Triflorum Engineering and Business Solutions

Date: 02.09.2020

To

The Principal
NPR College of Engineering & Technology,
Natham-62440, Dindigu I- 624401.

Respected Sir,

Sub: Implant training - Reg.

Ref: NPRCET/OFF/CSE/IPTT/2020-21 dated on 20.08.2020

With reference to the above, the final year CSE students Ms. Aishwarya B, Ms. Bonsiya R, Mr. Prasath T, Mr. Jeganathan R, Mr. Manoj S. has been permitted for implant training from 21.09.2020 to 28.09.2020 in our organization. Students should submit the bonafide certificate at the time of joining the implant training.

Expecting your kind cooperation in this regard.

S. K.

Managing Director
Mr. S. Kumaraguru



[Signature]
Dr. JSUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal,
NPR College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Triflorum Engineering and Business Solutions

Dato: 01.10.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Aishwarya R, final year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Implant training in our organization from 21.09.2020 to 28.09.2020..

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.

Managing Director
Mr.S.Kumaraguru



Dr. JSUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Triflorum Engineering and Business Solutions

Date: 01.10.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Bonsiya R, final year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Internship in our organization from 21.09.2020 to 28.09.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.

Managing Director
Mr.S.Kumaraguru



Dr. JSUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Date: 01.10.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Jeganathan R, final year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Internship in our organization from 21.09.2020 to 28.09.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.

Managing Director
Mr.S.Kumaraguru



Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



Date: 01.10.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Manoj S, final year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Internship in our organization from 21.09.2020 to 28.09.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.



Managing Director
Mr.S.Kumaraguru



Dr. J.SUNDARARAJAN,
B.E. M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



C3 TECHNOLOGIES

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52/33, T.Nagar 3rd Cross, Ramanathapuram, Coimbatore -641 045.

Ph: 72000 55778 / 98435 55778.

E-mail: c3technologiescbe@gmail.com

Date: 14.09.2020

To

The Principal,
NPR College of Engineering & Technology,
Natham,
Dindigul-624 401.

Dear Sir,

Sub: Internship training- reg.

We wish to conform that the below listed students for inplant training from 05.10.2020 to 21.10.2020 in our organization. During the period of internship training the students have to follow the rules and regulations in our organization. Submission of bonafide certificate at the time of training is mandatory.

S. No.	Name of the student	Register Number	Year & Branch
1.	Chithra.B	920818104005	III CSE
2.	Safrine Banu.S	920818104029	III CSE
3.	Pradap.S	920818104023	III CSE
4.	Yogeshwaran.V	920818104040	III CSE

We appreciate your interest in our company.

Dr. J.SUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

NPR College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director



C3 TECHNOLOGIES

TRAINING | PROJECTS | PLACEMENTS
An ISO 20990:2010 Certified Institution



52/33, T.Nagar 3rd Cross, Ramanathapuram, Colmbatore -641 045.

Ph: 72000 55778 / 98435 55778.

E-mail: c3technologiesbc@gmail.com

Date: 28.10.2020

CERTIFICATE OF INTERNSHIP TRAINING

This is to certify that Ms. Chithra B from NPR College Engineering and Technology has successfully completed internship training from 05.10.2020 to 21.10.2020 In our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Matham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director



C3 TECHNOLOGIES

TRAINING | PROJECTS | PLACEMENTS
An ISO 29990:2010 Certified Institution



52/33, T.Nagar 3rd Cross, Ramanathapuram, Coimbatore -641 065.

Ph: 72000 55778 / 98435 55778.

E-mail: C3technologies@rediffmail.com

Date: 22.10.2020

CERTIFICATE OF INTERNSHIP TRAINING

This is to certify that Ms. Safrine Banu S from NPR College Engineering and Technology has successfully completed internship training from 05.10.2020 to 21.10.2020 in our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director



CB TECHNOLOGIES

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52/33, T.Nagar 3rd Cross, Rameswathapuram, Coimbatore - 641 045,

Ph: 92000 65778 / 98435 65778,

E-mail: cbtechnologiesche@gmail.com

Date: 28/10/2020

CERTIFICATE OF INTERNSHIP TRAINING

This is to certify that Mr. Pradap S from HPR College Engineering and Technology has successfully completed internship training from 05.10.2020 to 23.10.2020 in our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J. SUNDARAJAN,
B.E., M.Tech., Ph.D.
Principal
H.P.R. College of Engineering & Technology
Madhav, Dindigul (Dt) - 624 401.



For CB TECHNOLOGIES

Managing Director



C3 TECHNOLOGIES

TRAINING | PROJECTS | PLACEMENTS
An ISO 20000:2010 Certified Institution



52/33, T.Nagar 3rd Cross, Ramanathapuram, Coimbatore - 641 045.

Ph: 72000 55778 / 98435 55778.

E-mail: c3technologies@ppmail.com

Date: 28.10.2020

CERTIFICATE OF INTERNSHIP TRAINING

This is to certify that Mr. Yogeshwaran V from NPR College Engineering and Technology has successfully completed internship training from 05.10.2020 to 21.10.2020 in our organization.

During the tenure of training, we found him very sincere, attentive and good behaviour.

Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.



For C3 TECHNOLOGIES

Managing Director

17th, Sep' 2020

To

The Principal,
NPR College of Engineering & Technology,
Natham, Dindigul – 624 401.

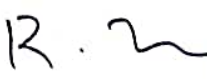
Dear Sir,

Sub: Internship training-Reg.


We are pleased confirm that the following listed students are permitted to undergo internship training in our company from 08.10.2020 to 23.10.2020. At the time of joining the students should submit the bonafide certificate.

S. No.	Name of the student	Register Number	Year & Branch
1.	Anarathi.R	920817104001	IV CSE
2.	Ajithkumar.P.J.K	920817104007	IV CSE
3.	Dineshkumar.C	920817104015	IV CSE
4.	Koushik Romel.J	920817104025	IV CSE

Yours Sincerely,
For CMS IT Services Pvt Ltd.,


Authorized Signatory,




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Licensee :: Entrust Technoservices Pvt. Ltd.



3rd Floor, TABS Complex, Opp. American Hospital, 41, Bharathidasan Salai, Cantonment, Trichy – 620 001
Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

28th, Oct 2020

To Whom So Ever It May Concern

This is to certify that Ms. Anarthi R, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone internship training from 08.10.2020 to 23.10.2020 in our organization.

During the period of his training, he had shown keen interest towards learning.


He demonstrated good design skills with self-motivated attitude to learn new things.

We wish him future endeavor.

Yours Sincerely,
For CMS IT Services Pvt Ltd.,

R.2
Authorized Signat




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Licensee :: Entrust Technoservices Pvt. Ltd.



3rd Floor, TABS Complex, Opp. American Hospital, 41, Bharathidasan Salai, Cantonment, Trichy - 620 001
Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

28th, Oct' 2020

To Whom So Ever It May Concern

This is to certify that Mr.Ajithkumar P J K , Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone internship training from 08.10.2020 to 23.10.2020 in our organization.

During the period of her training, she had shown keen interest towards learning.


She demonstrated good design skills with self-motivated attitude to learn new things.

We wish her future endeavor.

Yours Sincerely,
For CMS IT Services Pvt Ltd.,

R. 2
Authorized Signat 




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

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Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

28th, Oct' 2020

To Whom So Ever It May Concern

This is to certify that Mr. Dineshkumar C, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone internship training from 08.10.2020 to 23.10.2020 in our organization.

During the period of her training, she had shown keen interest towards learning.


She demonstrated good design skills with self-motivated attitude to learn new things.

We wish her future endeavor.

Yours Sincerely,
For CMS IT Services Pvt Ltd.,

12.2
Authorized Signatory





Dr. J.SUNDARARAJAN,
E.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Licensee :: Entrust Technoservices Pvt. Ltd.



3rd Floor, TABS Complex, Opp. American Hospital, 41, Bharathidasan Salal, Cantonment, Trichy – 620 001
Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

28th, Oct' 2020

To Whom So Ever It May Concern

This is to certify that Mr. Koushik Romel J, Department of Computer Science & Engineering, NPR College of Engineering & Technology, Natham, Dindigul has undergone Internship training from 08.10.2020 to 23.10.2020 in our organization.

During the period of her training, she had shown keen interest towards learning.

She demonstrated good design skills with self-motivated attitude to learn new things.

We wish her future endeavor.

Yours Sincerely,

For CMS IT Services Pvt Ltd


Authorized Signatory




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Licensee :: Entrust Technoservices Pvt. Ltd.



3rd Floor, TABS Complex, Opp. American Hospital, 41, Bharathidasan Salal, Cantonment, Trichy – 620 001
Phone : 0431- 4250437, Email : trichy@cmsinstitute.co.in Website: www.cmsinstitute.co.in

Date: 29.09.2020

To

The Principal
NPR College of Engineering & Technology
Natham

Dear Sir,

Sub: Acceptance of internship training in our Company –Reg.

We would like to conform that the below listed students has undergone internship training in our company. Here are the terms of internship training with the company.

1. Duration of training will be from 15.10.2020 to 29.10.2020
2. The students will not be entitled or any other benefits from the company during this tenure.
3. During the training, you are expected to abide code of conduct prescribed by the company for all the employees.
4. Students must submit the bonafide at the time of training.
5. The listed students are Ms. Bhavithra R, Ms. Kanmani A, Ms. Karthiga Jothi S, Ms. Nivetha A.

Please feel free to contact us in case of further details. Wishing you good luck for your future endeavours.

For Xplore IT Corp

Authorized Signatory



Dr. JSUNDAR

B.E., M

Principa

NPR College of Engineering & Technology

Natham, Dindigul (Dt) - 624 401

Date: 02.11.2020

CERTIFICATE OF COMPLETION

This is to certify that Ms. Bhavithra R student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Inplant training from 15.10.2020 to 29.10.2020.

During this period her performance was found good.

We wish her good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP
Design Your Desire

For Xplore IT Corp



Authorized Signatory



Dr. JSUNDARARAJAN,

B.E., M.Tech., Ph.D.

Principal

N.P.R. College of Engineering & Technology

Natham, Dindigul (Dt) - 624 407.

Date: 02.11.2020

CERTIFICATE OF COMPLETION

This is to certify that Ms. Kanmani A, student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed internship training from 15.10.2020 to 29.10.2020.

During this period his performance was found good.

We wish him good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP
Design Your Desire

For Xploro IT Corp


Authorized Signatory



Dr. JSUNDARARAJAN,

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (DI) - 624 401.

Date: 02.11.2020

CERTIFICATE OF COMPLETION

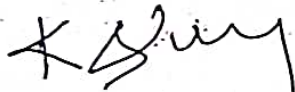
This is to certify that Ms. Karthiga jothi S student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed internship training from 15.10.2020 to 29.10.2020.

During this period his performance was found good.

We wish him good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP
Design Your Desire

For Xplore IT Corp



Authorized Signatory



Dr. JSUNDARARAJAN,
B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 401.

Date: 02.11.2020

CERTIFICATE OF COMPLETION

This is to certify that Ms. Nivetha A student of BE-CSE third year, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed internship training from 15.10.2020 to 29.10.2020.

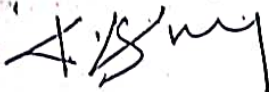
During this period his performance was found good.

We wish him good luck for all the future endeavours and looks forward to work in future.

XPLORE IT CORP

Design Your Desire

For Xplore IT Corp



Authorized Signatory



Dr. **JSUNDARARAJAN,**

B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Technology

Natham, Dindigul (Dt) - 624 401.



Triflorum Engineering and Business Solutions

Date: 12.09.2020

To

The Principal
NPR College of Engineering & Technology,
Natham-62440, Dindigul - 624401.

Respected Sir,

Sub: Intership training - Reg.

Ref: NPRCET/OFF/CSE/INT/2020-21 dated on 20.08.2020

With reference to the above, the final year CSE students Ms. Ruthra.A, Ms. Santhoshini V, Ms. Saraniya M, Mr. Sridhar K., has been permitted for implant training from 21.09.2020 to 28.09.2020 in our organization. Students should submit the bonafide certificate at the time of joining the implant training.

Expecting your kind cooperation in this regard.

Managing Director
Mr.S.Kumaraguru



Dr. **J. SUNDARARAJAN,**
B.E., M.Tech., Ph.D.,

Principal

N.P.R. College of Engineering & Techno-
Natham, Dindigul (Dt) - 624 401.



Triflorum Engineering and Business Solutions


Date: 03.11.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Ruhra A , third year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Implant training in our organization from 15.10.2020 to 29.10.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.


Managing Director
Mr.S.Kumaraguru




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology,
Natham, Dindigul (Dt) - 624 401.




Date: 03.11.2020

TO WHOMSOEVER IT MAY CONCERN


This is to certify that Ms. Santhoshini V, third year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Internship in our organization from 15.10.2020 to 29.10.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.


Managing Director
Mr.S.Kumaraguru




Dr. J.SUNDARARAJAN,
B.E., M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology,
Natham, Dindigul (Dt) - 624 401.



Date: 03.11.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Saraniya M, third year student of BE-Computer science and Engineering, NPR college of Engineering & Technology; Natham, Dindigul, has successfully completed Internship in our organization from 15.10.2010 to 29.10.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.

Managing Director
Mr.S.Kumaraguru



Dr. J. SUNDARARAJAN

BE, M.Tech., Ph.D.

Principal

N.P.R. College of Engineering & Technology
Natham, Dindigul (TN) - 624 402.



Triflorum Engineering and Business Solutions


Date: 03.11.2020

TO WHOMSOEVER IT MAY CONCERN


This is to certify that Mr. Sridhar K, third year student of BE-Computer science and Engineering, NPR college of Engineering & Technology, Natham, Dindigul, has successfully completed Internship in our organization from 15.10.2020 to 29.10.2020.

During the above period we found him sincere and hardworking. He has taken proper initiative efforts towards completed his training.

We wish him all the best for the future career.


Managing Director
Mr.S.Kumaraguru




Dr. J.SUNDARARAJAN,
BE, M.Tech., Ph.D.,
Principal
N.P.R. College of Engineering & Technology
Natham, Dindigul (Dt) - 624 491.