

Annai College of Arts & Science

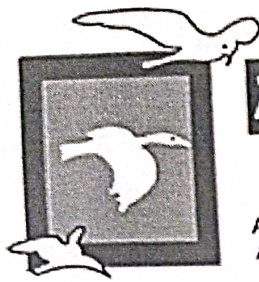
Quality Education for Today & Tomorrow

Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007

Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)

Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

DEPARTMENT OF
COMPUTER SCIENCE
PG
PROJECT FILE
BATCH
2019 - 2021



Annai College of Arts & Science

Quality Education for Today & Tomorrow

Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007

Accredited by NAAC with 'B' Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

**DEPARTMENT OF
COMPUTER SCIENCE
PG
PROJECT FILE
BATCH
2019 - 2021**


HOD

Department of Computer Applications,
Annai College of Arts & Science,
Kovilacheri, Kumbakonam


IQAC

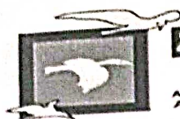
IQAC CO-ORDINATOR

ANNAI COLLEGE OF ARTS & SCIENCE
KOVILACHERI, KUMBakonam - 612 503.


PRINCIPAL

Principal

Annai College of Arts & Science
Kovilacheri, Kumbakonam-612 503



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 603. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli E-Mail: aacadmn@gmail.com

DEPARTMENT OF COMPUTER SCIENCE - PG

MINUTES OF MEETING FOR PROJECT WORK

DATE:03.12.2020

The Department meeting was held in the HOD Cabin dated on 03rd December 2020 at 1.00 p.m

AGENDA

- Project discussion
- Guide list
- Guidelines regarding Project work
- Review dates

FACULTY PRESENCE

S.NO	FACULTY NAME	SIGNATURE
1	Dr.N.VANJULAVALLI MCA.,M.Phil.,Ph.D.,SET.,	
2	Prof.M.SARAVANAN MCA.,M.Phil.,MBA.,	
3	Prof.A.GEETHA M.Sc.,M.Phil.,	
4	Prof.S.PARTHIBAN MCA.,M.Phil.,	
5	Prof.S.BALAMBIGAI M.Sc.,M.Phil.,B.Ed.,	
6	Prof.D.MEENAKSHI M.Sc.,M.Phil.,	

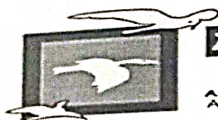
RESOLUTION

- Resolved to give detail information about the project to the students
- Resolved by allocating list of faculty with the ward effective project guidelines.
- Resolved by giving proper guidelines with our interested topics to execute the project.
- Resolved to follow up the review dates as per the schedule dates.

PROJECT COORDINATOR

HOD
Head

Department of Computer Application
Annai College of Arts & Science
Kovilacheri-Kumbakonam



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadm@gmail.com

Department of Computer Science - PG

Project Review Details

Batch - 2019 - 2021

CLASS:II M.Sc.,(CS)

MONTH	DATE	REVIEW	DETAILS
JAN	29.01.2021	Zeroth Review	Project Title Discussion
FEB	10.02.2021	First Review	Project Title Conformation&Abstract
FEB	28.02.2021	Second Review	Project Module Complete Status
FEB	22.02.2021	Third Review	Project Module Complete Status
MAR	27.03.2021	Fourth Review	Project Submission


PROJECT COORDINATOR


HOD

Head
Department of Computer Application
Annai College of Arts & Science
Kovilacheri-Kumbakonam



Annai College of Arts & Science
 Quality Education for Today & Tomorrow
 Kovilacherri, Kumbakonam, 612 503. Ph: 0435 2453007
 Accredited by NAAC with 'B' Grade & Recognized by UGC under Section 2(f) & 12(B)
 Affiliated to Dharmapalan University, Tiruchirappalli. E-Mail: aacadm@gmail.com

Department of Computer Science PG

Project Review Details

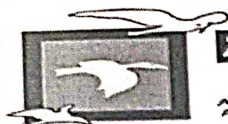
Batch - 2019 - 2021

Attendance for Project / II M.Sc., Computer Science

No.	Name	Reg.No.	29.01.2021	10.02.2021	28.02.2021	22.02.2021	27.03.2021
1	ANANTHAKRISHNAN S	P 19273501	X	X	X	X	X
2	ARPUTHAM R	P 19273502	X	X	X	X	X
3	ARUN N	P 19273503	X	X	X	X	X
4	DHEEPANRAJ D	P 19273504	X	X	X	X	X
5	DURGALAKSHMI P	P 19273505	X	X	X	X	X
6	ELANGIYA G	P 19273506	X	X	X	X	X
7	GAYATHRI V	P 19273507	X	X	X	X	X
8	ISWARAN R	P 19273508	X	X	X	X	X
9	JAYASURYA M	P 19273509	X	X	X	X	X
10	KALAIVANI B	P 19273510	X	X	X	X	X
11	KARTHIKEYAN K	P 19273511	X	X	X	X	X
12	KEERTHANA V	P 19273512	X	X	X	X	X
13	KEERTHANA BAI G	P 19273513	X	X	X	X	X
14	KOWSALYA N	P 19273514	X	X	X	X	X
15	MAHALAKSHMI S	P 19273516	X	X	X	X	X
16	MOHANA PRIYA S	P 19273517	X	X	X	X	X
17	NANTHINI K	P 19273518	X	X	X	X	X
18	PRIYADHARASHINI N	P 19273519	X	X	X	X	X
19	PUSHPANANDHI K	P 19273520	X	X	X	X	X
20	SABANA ASMIN S	P 19273521	X	X	X	X	X
21	SANGEETHA M	P 19273522	X	X	X	X	X
22	SARAVANAN V	P 19273523	X	X	X	X	X
23	SIVARANJANI B	P 19273524	X	X	X	X	X
24	USHA K	P 19273525	X	X	X	X	X
25	VANMATHI M	P 19273526	X	X	X	X	X
26	VENNILA V	P 19273527	X	X	X	X	X
27	VIDHYA R	P 19273528	X	X	X	X	X
28	VIDHYASRI R	P 19273529	X	X	X	X	X
29	YUVARANI S	P 19273530	X	X	X	X	X
No of Students Present			28	27	29	28	29
No of Students Absent			01	02	01	01	01
Faculty Signature							

PROJECT COORDINATOR

HOD
 Head
 Department of Computer Application
 Annai College of Arts & Science
 Kovilacherri-Kumbakonam



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

Department of Computer Science- PG

Batch-2019-2021

Guide List

S.No	Guide Name	No of Students
1	Dr.N.VANJULAVALLI MCA.,M.Phil.,Ph.D.,SET.,	5
2	Prof.M.SARAVANAN MCA.,M.Phil.,MBA.,	5
3	Prof.A.GEETHA M.Sc.,M.Phil.,	5
4	Prof.S.PARTHIBAN MCA.,M.Phil.,	5
5	Prof.S.BALAMBIGAI M.Sc.,M.Phil.,B.Ed.,	5
6	Prof.D.MEENAKSHI M.Sc.,M.Phil.,	4


PROJECT COORDINATOR



HOD

Head
Department of Computer Application
Annai College of Arts & Science
Kovilacherri-Kumbakonam

Department of Computer Science -PG
Confirmation of Project Titles
Batch-2019-2021

S.No.	Name	Reg.No.	Title	Guide
1	ANANTHAKRISHNA	P 19273501	Advanced Call Taxi Booking and Monitoring	Dr.N.VANJULAVALLI MCA.,M.Phil.,Ph.D.,SET.,
2	ARPUTHAM R	P 19273502	Advanced College Timetable Scheduling	
3	ARUN N	P 19273503	Advanced Customization for MNCs Leave Maintenance	
4	DHEEPANRAJ D	P 19273504	Aircraft Delay Analysis and Technique	
5	DURGALAKSHMI P	P 19273505	Automated ATM Fund Tracking and Analyzer	Prof.M.SARAVANAN MCA.,M.Phil.,MBA.,
6	ELANGIYA G	P 19273506	Automated Bio-Secure Attendance System	
7	GAYATHRI V	P 19273507	Automated Course Selection And Registration Tactics	
8	ISWARAN R	P 19273508	Automated Query Resolver for College Placement	
9	JAYASURYA M	P 19273509	Bioinformatics Tactics For Protein Improvement	Prof.A.GEETHA M.Sc.,M.Phil.,
10	KALAIVANI B	P 19273510	BSNL Office Automation Technique	
11	KARTHIKEYAN K	P 19273511	Bus Ticket Reservation and Cancellation Technique	
12	KEERTHANA V	P 19273512	Bus-Pass Registration and Renewal Mechanism	
13	KEERTHANA BAI G	P 19273513	Call Centre Executive Process	Prof.S.PARTHIBAN MCA.,M.Phil.,
14	KOWSALYA N	P 19273514	Career and Consultancy Service	
15	MAHALAKSHMI S	P 19273516	Cargo Tracking and Security Mechanism	
16	MOHANA PRIYA S	P 19273517	Child Care Information System	
17	NANTHINI K	P 19273518	College National Service Scheme	Prof.S.BALAMBIGAI M.Sc.,M.Phil.,B.Ed.,
18	PRIYADHARASHINI	P 19273519	Cloud Based Hybrid Text Editor	
19	PUSHPANANDHI K	P 19273520	Collecting Eye and Patient Care	
20	SABANA ASMIN S	P 19273521	Computer Store E-Automation Process	
21	SANGEETHA M	P 19273522	Customer Relationship Management System (CRMS)	Prof.D.MEENAKSHI M.Sc.,M.Phil.,
22	SARAVANAN V	P 19273523	Customized Jewel Design and Ordering	
23	SIVARANJANI B	P 19273524	Dance School Controlling and Maintenance Process	
24	USHA K	P 19273525	Data Hiding and Sending Secure Files	
25	VANMATHI M	P 19273526	Design and Implementation of Online Auction	Prof.D.MEENAKSHI M.Sc.,M.Phil.,
26	VENNILA V	P 19273527	Dynamic Web Based College Alumni Meet	
27	VIDHYA R	P 19273528	E-Based Food Ordering and Catering Development	
28	VIDHYASRI R	P 19273529	E-Environment GAS Agency	
29	YUVARANI S	P 19273530	Efficient and Personalized Car Dealer Marketing	


PROJECT COORDINATOR


HOD
 Department of Computer Applications
 Annai College of Arts & Science
 Kovilacheri, Kumbakonam

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Advanced Call Taxi Booking and Monitoring
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

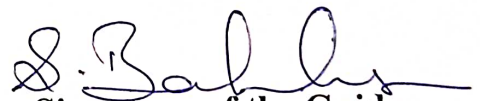
NAME	REG.NO.
ANANTHAKRISHNAN S	P 19273501

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503


April - 2021



**Signature of
Head of the Department**


Signature of the Guide

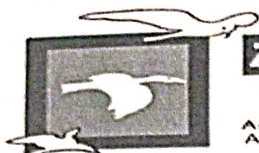
VIVA VOCE Examination for this Project Record Was held on 27-03-2021


Internal Examiner
External Examiner

Advanced Call Taxi Booking and Monitoring

Abstract

Online Car Booking management System is developed to manage all cab hiring work online. It is useful for car booking agency that are specialized in Hiring cabs to customers. Using this system many car-booking agency are moving ahead to become a pioneer in the vehicle rental industry by completely focusing on customers. Using this system it is very easy for customer to book a car online and car-booking agency can also track their booking online. So it is also very useful for car booking agency. It is an online system through which customers can view available cabs; register the cabs, view profile and book cabs. Mostly people use cab service for their daily transportation need. Car booking agency can also check which car is free for booking and which cars are on booking at present time. The objective and scope of my project Online Cab or car booking System is to record the details various activities of user. It will simplify the task and reduce the paper work. Using this car booking management system car owner can also become partner of car booking agency by giving their car for booking. Online Car rental management system is a web based application that allow users to book a car online. From this system car rental company can manage all car bookings and customer information. User can book cars and admin can confirm the booking and cancel the booking on the basis of availability of the cars and drivers.



Annai College of Arts & Science

Quality Education for Today & Tomorrow

Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007

Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)

Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Advanced College Timetable Scheduling
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
ARPUTHAM R P 19273502

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503

April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-03-2021

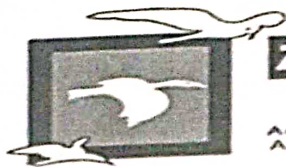
Internal Examiner

External Examiner

Advanced College Timetable Scheduling

Abstract

Time table generation is tedious job for educationalist with respect to time and man power. Providing a automatic time table generator will help to generate time table automatically. Proposed system of our project will help to generate it automatically also helps to save time. It avoids the complexity of setting and managing Timetable manually. In our project we are going to use algorithms like genetic, heuristic, resource scheduling to reduce these difficulties of generating timetable. These algorithms incorporate a numeral of strategy, aimed to improve the operativeness of the search operation. The system will take various inputs like number of subjects, teachers, workload of a teacher, semester, priority of subject. By relying on these inputs, it will generate possible time tables for working days of the week for teaching faculty. This will integrate by making optimal use of all resources in a way that will best suit the constraints.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with 'B' Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: ecaadm@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Advanced Customization for MNCs Leave Maintenance
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
ARUN N P 19273503

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

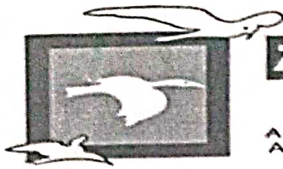
Internal Examiner

External Examiner

Advanced Customization for MNCs Leave Maintenance

Abstract

This task is gone for building up an online leave administration framework that is of significance to either an association. The Leave Management System (LMS) is an Intranet based application that can be gotten to all through the association or a predetermined gathering/Dept. This framework can be utilized to computerize the work process of leave applications and their endorsements. The occasional crediting of leave is likewise robotized. There are highlights like email warnings, programmed endorsement of leave, report generators and so forth in this framework. Leave Management application will lessen paperwork and keeps up the record in a more proficient way. In the existing framework, each school takes after the manual system in which workforce ought to enter in time and out time in a record book. Toward the finish of every month, Head of the office will figure leaves of each employee which is a period taking procedure and there are risks of losing records. In proposed framework odds of losing information isn't conceivable in light of the fact that information is kept up as a database. Consistently participation, leaves and notification data is refreshed into database utilizing an easy to understand GUI. This will lessen work for Head of divisions. This application is an online application which makes more adaptable to get to data.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaedmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Aircraft Delay Analysis and Technique
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME **REG.NO.**
DHEEPANRAJ D P 19273504

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

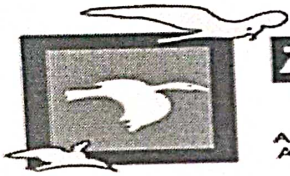
Internal Examiner

External Examiner

Aircraft Delay Analysis and Technique

Abstract

Flight delays hurt airlines, airports, and passengers. Their prediction is crucial during the decision-making process for all players of commercial aviation. Moreover, the development of accurate prediction models for flight delays became cumbersome due to the complexity of air transportation system, the number of methods for prediction, and the deluge of flight data. In this context, this paper presents a thorough literature review of approaches used to build flight delay prediction models from the Data Science perspective. We propose a taxonomy and summarize the initiatives used to address the flight delay prediction problem, according to scope, data, and computational methods, giving particular attention to an increased usage of machine learning methods. Besides, we also present a timeline of significant works that depicts relationships between flight delay prediction problems and research trends to address them.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Automated ATM Fund Tracking and Analyzer
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME	REG.NO.
DURGALAKSHMI P	P 19273505

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

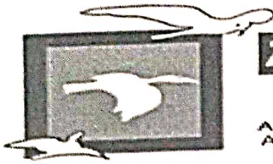
Internal Examiner

External Examiner

Automated ATM Fund Tracking and Analyzer

Abstract

The Automated Teller Machine ATM Banking System is a banking application developed to perform different banking services through the Automated Teller Machines. The all functions include the regular transactions like cash deposits, cash withdrawals, balance enquiry, balance statements, savings account, and current account; change PIN Number, Credit card Withdrawals and so on. The application design maintains the information of the accounts of various customers including the information of the ATM cards, their types Credit cards, Debit Cards and the transactions done by the customers through the ATM machine centers with correlation of the Banking Services. The stored details also include the information of the various centers in and around the ATM services, which help in the relational maintenance of every transaction in the ATM Machine by the customers with their concerned branch operations. The developed application is considered to the version upon the system, which is proposed to be built with the content and touch of the oracle as the centralize database with oracle 9i as the database. The overall banking ATM system is planned to be is the format of distributed architecture as the database platform. The proposals are planed to keep entire architecture to be browser (IE, Mozilla, Chrome) specific.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with 'B' Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

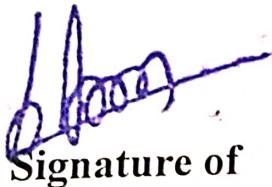
This is to certify that the Project entitled
Automated Bio-Secure Attendance System
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
ELANGIYA G P 19273506

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

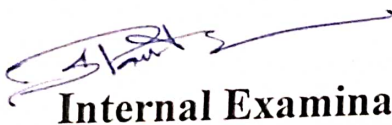


**Signature of
Head of the Department**



Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021



Internal Examiner

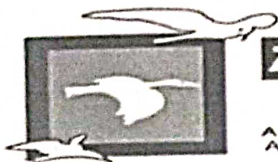


External Examiner

Automated Bio-Secure Attendance System

Abstract

In recent time, there has been high level of impersonation experienced on a daily basis in both private and public sectors, the ghost worker syndrome which has become a menace across all tiers of government, employers concerns over the levels of employee absence in their workforce and the difficulty in managing student attendance during lecture periods. Fingerprints are a form of biometric identification which is unique and does not change in one's entire lifetime. This paper presents the attendance management system using fingerprint technology in a university environment. It consists of two processes namely; enrolment and authentication. During enrolment, the fingerprint of the user is captured and its unique features extracted and stored in a database along with the users identity as a template for the subject. The unique features called minutiae points were extracted using the Crossing Number (CN) method which extracts the ridge endings and bifurcations from the skeleton image by examining the local neighborhoods of each ridge pixel using a 3 x 3 window. During authentication, the fingerprint of the user is captured again and the extracted features compared with the template in the database to determine a match before attendance is made. The fingerprint-based attendance management system was implemented with Microsoft's C# on the .NET framework and Microsoft's Structured Query Language (SQL) Server 2005 as the backend. The experimental result shows that the developed system is highly efficient in the verification of users fingerprint with an accuracy level of 97.4%. The average execution time for the developed system was 4.29 seconds as against 18.48 seconds for the existing system. Moreover, the result shows a well secured and reliable system capable of preventing impersonation.



Annai College of Arts & Science

Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Automated Course Selection And Registration Tactics
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
GAYATHRI V P 19273507

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

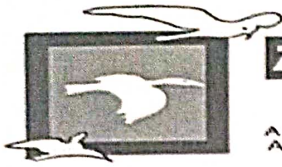
Internal Examiner

External Examiner

Automated Course Selection And Registration Tactics

Abstract

This project, Automated Students' Results Management Information System (SRMIS) was carried out to automate the manual processes of compiling Students Examination Results. It was necessitated because of some setbacks in manual result processing. The system was designed to automatically take raw scores from excel files and store them in a database. It used past processed results to help the next course registration prior to results upload. Its result processing features includes the computation of grade point average (GPA), generation of result reporting sheets and transcripts. Every session, it keeps track of student's status information as recorded in the student files, specifying if a student is legitimate. The database also holds the lists of admitted students each year and records their school fees payment status. The software engineering was done with the Incremental model using an object-oriented programming approach. Raw data input to the SRMIS is one of the most cumbersome tasks. A computerized input using file upload saves lecturers a lot of effort and time of data entry. This system uses the student's course registration data to match the uploaded results. The essence is to design an efficient computerized system that will replace manual result processing which is prone to lot of paper work and errors. This reduces the tedious tasks involved, and enhances students' performance through timely publication of results.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Automated Query Resolver for College Placement
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
ISWARAN R P 19273508

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

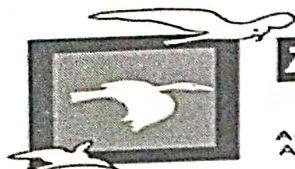
Internal Examiner

External Examiner

Automated Query Resolver for College Placement

Abstract

Campus Placement Automation (CPA) aims at providing the Training & Placement Office (TPO) of an Institute to automate the process of the office. This automation out-turns collecting required student data necessary for registration in Campus Placement process and notifying eligible candidates about the important dates and other updates. This Automation is accomplished through the medium of a Website and smart phone application. The front end of this system is built with Bootstrap. Bootstrap is the most popular HTML, CSS and JS framework which scales the website and application with a single code base, from phones to tablets to desktops with CSS media queries. The back end of this system is built with PHP. Fast, flexible and pragmatic, PHP is a server scripting language that empowers some of the most popular websites. MySQL is the most popular database system used with PHP for storing information categorically. Campus Placements are organized in nearly all colleges by companies from various sectors for recruiting eligible applicants. Organization of placement drives stand in need of particular information of the applicants. This process is exercised manually which is chaotic for both students and the TPO. This project is to facilitate students in college to register and apply for jobs. The students can access this system easily. In the main page there are options for a new register, a registered student to directly login using username and password, submit resume. In the registration form, the student need to submit required details related educational qualifications, professional skills and upload resume. Communication between the TPO and students is made smooth through dynamic notification by administration (admin) staff and a 'Q&A' forum for students. Statistics of the previously placed students is provided to the students to acknowledge them about the companies approaching for campus placement. Computers and information technology has a major influence on the society and the last few years have witnessed a tremendous increase in the capabilities and use of technology. Going on is an era of simplifying almost all complicated works using technology. Automation of Training & Placement Office will replace the manual processing of office which makes the mechanism slow and results into problems such as inconsistency and ambiguity on operations. The proposed system intends userfriendly operations which may resolve ambiguity and achieve certainty



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Bioinformatics Tactics For Protein Improvement
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
JAYASURYA M P 19273509

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

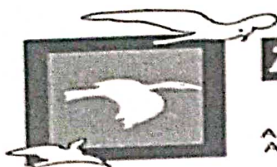
Internal Examiner

External Examiner

Bioinformatics Tactics For Protein Improvement

Abstract

Most automatic functional annotation methods assign Gene Ontology (GO) terms to proteins based on annotations of highly similar proteins. We advocate that proteins that are less similar are still informative. Also, despite their simplicity and structure, GO terms seem to be hard for computers to learn, in particular the Biological Process ontology, which has the most terms (>29 000). We propose to use Label-Space Dimensionality Reduction (LSDR) techniques to exploit the redundancy of GO terms and transform them into a more compact latent representation that is easier to predict.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
BSNL Office Automation Technique
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
KALAIVANI B P 19273510

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

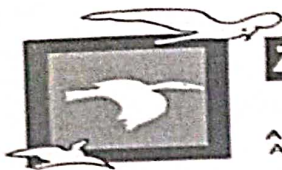
Internal Examiner

External Examiner

BSNL Office Automation Technique

Abstract

Automation plays very important role in our lives. It makes the work easier and simpler so for simplified and easy living. Smart office automation system is designed in this system. This system is based on subsystems like lighting, heating. Security and alarming systems are also present. The sensors are used to extract the real time data from environment. Sensors are connected to the ARM 11 Controller. It processes the data and gives the output. Fan, bulb, buzzer are output devices connected to the controller which will work when the system crosses the threshold value. The sensor's data is continuously recorded. Fingerprint Identification module is used for security purpose. Fire alarm and emergency call is given to the service room. This data is stored in PC. This data can be viewed on other PC's through Network switch. The data can be seen on the webpage and on GUI. Nowadays most of the people spend lot of time in offices. Office environment should be leisurely so that the employees can give their best as office environment directly affects the working efficiency of employees/workers. So comfort is must and it is needed in office. In earlier decades technology at its best meant a fax machine and an electronic typewriter; today it's an iPad connected to the cloud solution. A smart office is a place that makes life easy for employees and customers, which empowers it and increases their ability to stay connected. This is achieved by making use of various advanced technology and different tools and solutions to improve the efficiency of users. As the physical boundaries are being bridged, a competitive and complex world focuses on innovation and creativity is being developed. The world is greatly experiencing the emergence of intelligent growth zones so smart office- has fast become the need of the hour.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Bus Ticket Reservation and Cancelation Technique
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME **REG.NO.**
KARTHIKEYAN K **P 19273511**

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

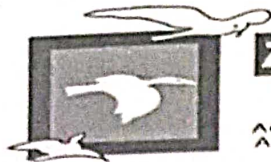
Internal Examiner

External Examiner

Bus Ticket Reservation and Cancellation Technique

Abstract

Online Bus Ticket Reservation System is a Web based application that works within a centralized network. This project presents a review on the software program "Online Bus Ticket Reservation System" as should be used in a bus transportation system, a facility which is used to reserve seats, cancellation of reservation and different types of route enquiries used on securing quick reservations. OBTRS is built for managing and computerizing the traditional database, ticket booking and tracking bus and travel made. It maintains all customer details, bus details, reservation details. In order to achieve the design, Imo Transport Company (ITC) was chosen as a case study because of its strategic importance to Imo State. Structured Systems Analysis and Design Methodology (SSADM) was adopted. In addition, PHP Hypertext Preprocessor (PHP) language was used for the front-end of the software while the back end was designed using MySQL. The software achieved is capable of improving the customer hand and relationship management in ITC operations. It is recommended that despite the present functionality of the designed software, an additional functionality such as the use of E-mail to send tickets and notifications to the customer and an online payment using credit cards/debit cards should be implemented into the system. Furthermore, other operations carried by ITC such as the courier services should also be integrated in order to enhance the system.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Bus-Pass Registration and Renewal Mechanism
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
KEERTHANA V P 19273512

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

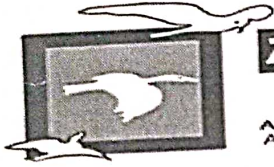
Internal Examiner

External Examiner

Bus-Pass Registration and Renewal Mechanism

Abstract

The system will perform functionalities like retrieving information for the verification and allow commuters to get their passes without engaging them in long queue. Once the commuter gets verified the system allows him/her to book bus passes for any course online. The verification of the customers is done online using their Email id. No need to go for the bus stops to verify the details. Admin will send the notice to the passengers if their validity of bus pass is going to end soon. The current passengers will be notified and they can renew their passes by logging in using their id and password. And admin can view the chart of how many bus passes are generated in a month. The E bus pass registration application will aid aspirants to minimize their valuable time and renew the bus pass without standing in line or hours together in the counter. Primarily users should register the entitlement by acquiescing their facts over internet. Now admin will hold the authority to cross-check the applicant details and if he is satisfied he will move the bus pass and process it for further activities. The applicant can login using their username and password for the accomplishment of renewal. The extension process is passed by repaying the cash using the debit/ credit card. The applicant can also share their valued comments for further upliftment of the application.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Call Centre Executive Process
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
KEERTHANA BAI G P 19273513

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

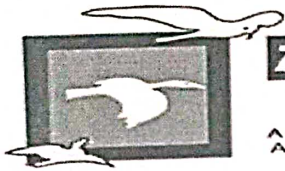
Internal Examiner

External Examiner

Call Centre Executive Process

Abstract

In recent years the call centre industry has grown rapidly in size and popularity. In so doing the industry has been perceived to suffer from some of the problems associated with industrial mass production. The nature of the requirement to answer a high number of calls in these centres had led to the use of a traditional "production-line" management approach. Recently, as a result of both customers' and employees' expectations rising in relation to service delivery, the trend is for call centre operations to become more focused on staff empowerment, moving away from the traditional production-line approach. For many companies this has become a difficult management problem. This paper reports on one such company. Following a number of years' reliance on carrying out surveys of customer perceptions, and a history of subsequent lack of service improvement, this research used an in-depth case study approach incorporating observation studies, interviews with different levels of managers, and focus-group discussions with front-line service delivery staff (agents). The findings identified the service quality issues to be addressed in order to reconcile customers' and agents' needs; and the implications for managers.



Anna College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Career and Consultancy Service
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
KOWSALYA N P 19273514

PG Department of Computer Science
Anna College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

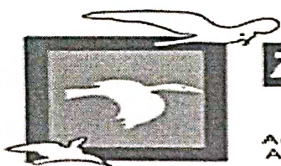
Internal Examiner

External Examiner

Career and Consultancy Service

Abstract

In recent years the call centre industry has grown rapidly in size and popularity. In so doing the industry has been perceived to suffer from some of the problems associated with industrial mass production. The nature of the requirement to answer a high number of calls in these centres had led to the use of a traditional "production-line" management approach. Recently, as a result of both customers' and employees' expectations rising in relation to service delivery, the trend is for call centre operations to become more focused on staff empowerment, moving away from the traditional production-line approach. For many companies this has become a difficult management problem. This paper reports on one such company. Following a number of years' reliance on carrying out surveys of customer perceptions, and a history of subsequent lack of service improvement, this research used an in-depth case study approach incorporating observation studies, interviews with different levels of managers, and focus-group discussions with front-line service delivery staff (agents). The findings identified the service quality issues to be addressed in order to reconcile customers' and agents' needs; and the implications for managers.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Cargo Tracking and Security Mechanism
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
MAHALAKSHMI S P 19273516

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503

April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-2-2021

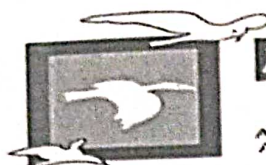
Internal Examiner

External Examiner

Cargo Tracking System

Abstract

The purpose of this software specification (SS) is to establish the major requirements & Specification necessary to develop the Software Systems for the Developers. The overall objective of the Team Project is to establish a web-based. The goal of this document is the same as any requirements document, to lay out all requirements of the application in order to have both the developers and the end users maintaining the same understanding and expectations from the application. The project requirements will define, in general terms, the setup of the web site, topics for available information concerning the Software Project Management.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Child Care Information System
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME	REG.NO.
MOHANA PRIYA S	P 19273517

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-2-2021

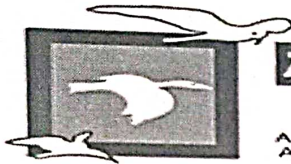
Internal Examiner

External Examiner

Child Care Information System

Abstract

The main focus of this is to analyze the existing manual computerization information system in United Nations international children emergency fund on childcare information system with a view of developing a computerized information system that will take care of all the identifiable problems inherent in computerized childcare information system. Childcare is a kind of human act that jeopardize the physical, psychological and the futurity of a child either intentionally or unintentionally. Examples of the cares are as follows. Not a loading of new born baby (child) of child not as bread winner giving a child educational right avoiding sales of a child avoid causing 1 caring of a child not starving a child etc. In our society nowadays abandoning of children is not all that rampant anymore. In order hand in most families children are not still being used as a bread winners of family in the sense that they have eliminated in caring one thing or other to streets schools markets etc. In order to get money for the family while their parent are at home to enjoy the money. As a result of this theses children are now being sent to school when it is time. In order to improve more on cares an organization called united nation international children emergency fund (UNICEF) established a system that is called childcare information system that monitors/ protect and improve such cares on children. When cases on such cares are reported to them they investigate and report or take any care that is coordinating to their rules to count so that the appropriate or required necessity will be given to the care. The new system will also help to avoid loss or misplacement of vital documents and help the organization to handle volume of records in less time which will not be possible with the manual system.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
College National Service Scheme
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
NANTHINI K P 19273518

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

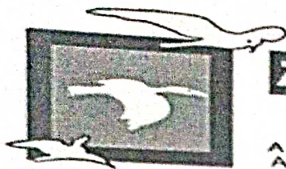
Internal Examiner

External Examiner

College National Service Scheme

Abstract

National service scheme has been playing a vital role in improvement of human life through inculcating social, economic, cultural and ethical values in volunteers. Graduate students seeking their degree for three years along with their role of participation in national service scheme of two years must render better feedback and response for society rather than graduate students with their degree for three years without participation in national service scheme. In India there are 52 percent people come under youth category. Students are backbone of society. Role of youth students is to provide stability to society by participating in different schemes, jobs, administrative and academic bodies, counsellors and guides. They would become a responsible citizen in society. When such a youth students would have been the part of N.S.S in their graduate level education, the effectiveness of their role will be perked. If they are allowed to admit in national service scheme of universities and colleges in their graduation level, they will definitely play effective role becoming a crucial part of society. The current paper deals with N.S.S, structure of N.S.S, aims and objectives of N.S.S, what is result of N.S.S participation in colleges and universities for society on students.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadm@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Cloud Based Hybrid Text Editor
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME **REG.NO.**
PRIYADHARASHINI N P 19273519

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

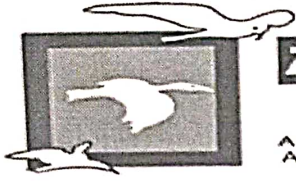
Internal Examiner

External Examiner

Cloud Based Hybrid Text Editor

Abstract

Today a cloud computing is another rising innovation to utilize our everything industry as well as government segment. Be that as it may, be a large portion of the private segment, open segment and government segment all are utilized a half and half cloud innovation. Distributed computing makes or end up the different regular business relations are utilized. That will be building up a pattern to rearrange a brief interval promotion hoc relationship. Half and a half cloud are mostly in this framework. we obtain a structure of different steam (nearby private, group are on location, off-spot of private, off-position of the group) that stop as unmistakable thing are required together by regulated and then again opposed addition are authorize information Furthermore, applications movability.



Annai College of Arts & Science

Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Collecting Eye and Patient Care
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME **REG.NO.**
PUSHPANANDHI K P 19273520

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

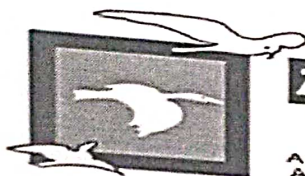
Internal Examiner

External Examiner

Collecting Eye and Patient Care

Abstract

Sight is one of the most important and vital human senses. Lack of proper eye care (EC) in anesthetized patients can lead to serious ocular complications and even vision loss. Insufficient knowledge, attitude, and skills of nurses are considered as a barrier to providing EC in the intensive care unit (ICU). The aim of the present study was to determine the effect of training EC clinical practice guidelines for ICU patients on nurses' knowledge, attitude, and practice of EC. *Methods.* This was an interventional study with a pre-post design performed on 60 ICU nurses. For the experimental group, EC clinical guideline training was performed for anesthetized patients in three sessions. The data collection tool included nurses' clinical competence of the EC questionnaire with a possible score range of 0–86. This tool consists of three domains, including knowledge (0–18), attitude (0–28), and practice (0–40), which was completed in a self-assessment manner before and three months after the training program. Data analysis was carried out using SPSS16. *Findings.* The mean scores of knowledge, attitude, and practice after the intervention in the experimental and control groups were 15.03 ± 2.72 and 11.11 ± 3.50 , 25.65 ± 3.47 and 22.07 ± 3.08 , and 33.88 ± 4.14 and 28.5 ± 55.08 , respectively, which were statistically significant (). Also, the total score of clinical competence of EC after the intervention in the experimental and control groups was 74.56 ± 7.93 and 61.74 ± 9.66 , which showed a significant difference (). *Conclusion.* Training nurses based on EC clinical guidelines for anesthetized patients can improve the knowledge, attitude, and practice of ICU nurses. Evidence-based EC practice requires continuous training based on clinical guidelines and EC practice monitoring by nursing managers according to EC clinical guideline for an anesthetized patient.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Computer Store E-Automation Process
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME	REG.NO.
SABANA ASMIN S	P 19273521

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27-3-2021

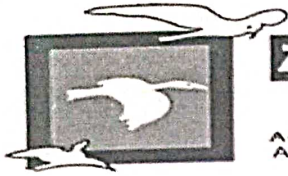
Internal Examiner

External Examiner

Computer Store E-Automation Process

Abstract

Project development has been coupled with time and cost problems through history. This has motivated the search for flexible, trustworthy, time and cost-efficient development. In order to achieve this, we have developed an automated computer shop System. This web based application will help improve the complete process of buying products from suppliers and selling products to customers. Project management strategies by improving communication and collaboration among customers and employees for better understanding of requirements. The proposed system is about the automation of computer shop system designed for user to manage the purchase, sale, employees, and the stock inventory. Proposed system is composed of Sales and purchase modules.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Customer Relationship Management System (CRMS)
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME	REG.NO.
SANGEETHA M	P 19273522

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

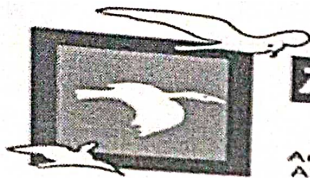
Internal Examiner

External Examiner

Customer Relationship Management System (CRMS)

Abstract

Many commentators have identified organisational culture as an important factor that enables or disables the achievement of desirable CRM outcomes, along with other key people-related issues, such as senior management commitment and people's willingness to support the initiative. Our review of the CRM literature shows that an organisational environment that puts more importance on customer-focused behaviours, information sharing, cross-functional teams, performance based rewards, supportive relationships, adaptive and responsive attitudes to change, and a higher degree of risk-taking and innovation, is more likely to be associated with successful CRM system implementations. We have used the Competing Values Framework to study the culture of organisations implementing CRM in Australia. The ultimate objective of this study is to provide insights into the relationships between organisational culture and CRM implementation outcomes. We have collected organisational culture data from 101 organisations that are implementing CRM. The results show that only half of the organisations implementing CRM in Australia have organisational culture characteristics that match those that the literature suggests are associated with successful CRM outcomes.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with 'B' Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: aacadmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Customized Jewel Design and Ordering
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
SARAVANAN V P 19273523

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

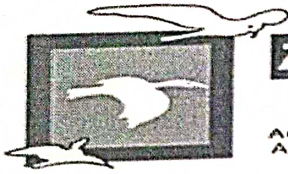
Internal Examiner

External Examiner

Customized Jewel Design and Ordering

Abstract

Today, customer performs most of his purchases online over numerous E-commerce portals. But, customer is little reluctant to purchase jewelry as there are limited choice and risk of quality and design is critical. Therefore, there is a need of an application / tool, which can help customer to customize his/her jewelry using several options. In this paper, we discuss an application developed that can enable the users to design and customize their jewelry using various combinations; simply by selecting objects to see 3D models. These 3D model will give customer a better idea about how the designed model will look like and user can proceed with placing an order for the same. This make to fit approach will certainly give user benefits over the traditional buying approach in jewelry shop. The concept of augmented reality technique has realized into this application design.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaedmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Dance School Controlling and Maintenance Process
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME	REG.NO.
SIVARANJANI B	P 19273524

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.2021

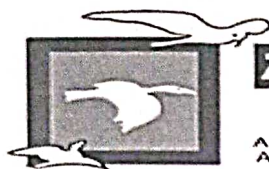
Internal Examiner

External Examiner

Dance School Controlling and Maintenance Process

Abstract

Teaching dance can be challenging because of the unique "classroom" management situations that often arise from the dynamic nature of the content. Management is a delicate navigation of advance planning rule setting; protocols, routines, and interventions; and the teacher's own presentation; In a, of all "variables affecting student achievement...classroom management had the largest effect..." Different forms and styles of dance may require different management strategies. For example, in recreational forms of dance such as folk and social dance, students often need to demonstrate appropriate interpersonal behaviors such as a willingness to work with all classmates as partners. In forms of dance such as modern, jazz, and ballet technique, students need to learn stylized and codified movement skills as well as demonstrate appropriate audience behaviors. Creative dance content presents additional management challenges because of its emphasis on greater student freedom and problem solving. This article will examine a variety of classroom management strategies relevant to the dance class during the various instructional phases, including planning the lesson, preparing the environment for maximum management efficiency", greeting the class as it enters the dance space, introducing the material (this includes the focus, review, and the statement of objectives), presenting the learning experiences, closure of class, tips for transitions between tasks or activities, and finally, strategies to handle unexpected events. Throughout, the word "teacher" will be used rather than "dance educator" or "physical educator."



Annai College of Arts & Science

Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Data Hiding and Sending Secure Files
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
USHA K P 19273525

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.21

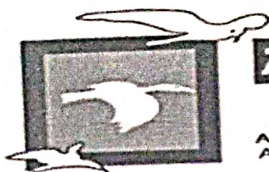
Internal Examiner

External Examiner

Data Hiding and Sending Secure Files

Abstract

In the current trends of the world, the technologies have advanced so much that most of the individuals prefer using the internet as the primary medium to transfer data from one end to another across the world. There are many possible ways to transmit data using the internet: via e-mails, chats, etc. The data transition is made very simple, fast and accurate using the internet. However, one of the main problems with sending data over the internet is the security threat it poses i.e. the personal or confidential data can be stolen or hacked in many ways. Therefore it becomes very important to take data security into consideration, as it is one of the most essential factors that need attention during the process of data transferring. The objectives of the project are to provide a secure means of data communication using steganography techniques. The project will allow the user to transmit sensitive data within cover media and provide a less suspicious means of data communication as opposed to cryptography. The project is designed to transmit data through wired/wireless means or through the internet depending on the user convenience. The Steganography, Cryptography and Digital Watermarking techniques can be used to obtain security and privacy of data. The steganography is the art of hiding data inside another data such as cover medium by applying different steganographic techniques. While cryptography results in making the data human unreadable form called as cipher thus cryptography is scrambling of messages.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Design and Implementation of Online Auction
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
VANMATHI M P 19273526

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.21

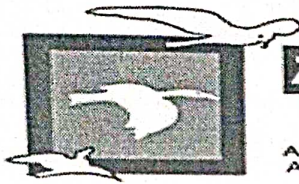
Internal Examiner

External Examiner

Design and Implementation of Online Auction

Abstract

A few decades down the line, auctions were carried in auction houses and the bids were made with the auctioneer delegating the bids and this method required the physical presence of the bidders, thus it resulted in a number of limitations. This led to the use of online auctioning which allow for the auctions to be carried out over the internet from anywhere in the world. The advent of online auctions presents on its own, different downsides due to the lack of proper evaluation techniques of the products and the sellers. The current systems do not allow for proper description of the kind of sellers and the kind of products that they sell. These systems do not provide enough detailed information to evaluate the type of sellers and their products. This result in the buyers uncertainty thus resulting in the reduced effectiveness of the online auctions making people opt for offline auction markets. Most available current auction systems do not fully provide product descriptions as well as fully evaluate the different type of sellers that participate in the auctioning process. Online systems come from a background where there is no full evaluation of the shilling activities that take place in different auction systems. The evaluation of shilling activities goes a long way in providing for certainty in the different type of seller. This can be achieved through the provision of the skill scores or skill ratings for each seller in an auction system. By providing the sellers skill rating the different bidders can easily make choices for the different sellers they decide to bid for their products.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acasdmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Dynamic Web Based College Alumni Meet
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
VENNILA V P 19273527

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.21

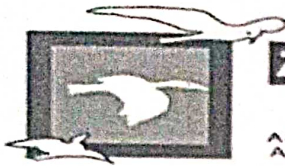
Internal Examiner

External Examiner

Dynamic Web Based College Alumni Meet

Abstract

The Information and Communication Technology (ICT) has witnessed great development in the recent years. Therefore, the design of Students and Alumni Web Portal (SAWP) involves the analysis of the internal and external environment of the three universities. For this purpose, SWOT technique has been used to detect the deep effect of environment factors on the strategic plan to discover the strengths, weaknesses, opportunities and threats facing the design of the proposed system. SAWP was designed using (MySQL, HTML, CSS, Java Script, jQuery, PHP, AJAX) techniques to provide robust portal system addressing two subsystems: student and alumni portal system. Testing of the SAWP was administered through two main stages: the first, to identify the student's views and their preferences. The second to measure the usability of the system through using System Usability Scale (SUS) method with subscription of 22 potential system users. The best results of SUS testing are: the rate of overall satisfaction was high nearly 80%. While the implementation outcomes found very compatibility and reasonable in wide extents between available data and system requirements.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli E-Mail: acaedmn@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
E-Based Food Ordering and Catering Development
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
VIDHYA R P 19273528

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

**Signature of
Head of the Department**

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.21

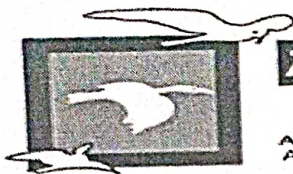
Internal Examiner

External Examiner

E-Based Food Ordering and Catering Development

Abstract

The online food ordering system is one of the latest services most fast food restaurants in the western world are adopting. With this method, food is ordered online and delivered to the customer. This is made possible through the use of electronic payment system. Customers pay with their credit cards, although credit card customers can be served even before they make payment either through cash or cheque. So, the system designed in this project will enable customers go online and place order for their food. Due to the great increase in the awareness of internet and the technologies associated with it, several opportunities are coming up on the web. So many businesses and companies now venture into their business with ease because of the internet. One of such business that the internet introduced is an online food ordering system. In today's age of fast food and take out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until recently, most of this delivery orders were placed over the phone, but there are many disadvantages to this system. It is possible for anybody to order any goods via the internet and have the goods delivered at his/her doorsteps. But while trying to discuss the transfer method of the goods and services, attention is focused on the payment mode. In other words, how possible is it to pay for goods and services via the internet? This then leads to the discussion of the economic consequences of digital cash. What are the implementations from the view point of economic? Since the world is fast becoming a global village, the necessary tool for this process is communication of which telecommunication is a key player. A major breakthrough is the wireless 2 telephone system which comes in either fixed wireless telephone lines or the Global System of Mobile communication (GSM). What I propose is an online ordering system originally designed for use in college cafeterias, but just as applicable in any food delivery industry. The main advantage of this system is that it greatly simplifies the ordering process for both the customer and the restaurant. The system also greatly lightens the load on the restaurants end, as the entire process of taking orders is automated.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam, 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadm@gnail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
E-Environment GAS Agency
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME **REG.NO.**
VIDHYASRI R **P 19273529**

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.21

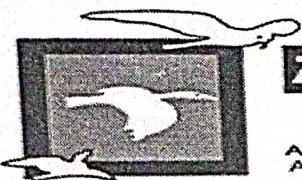
Internal Examiner

External Examiner

E-Environment GAS Agency

Abstract

The objective of this project is to create a system where the customer can easily book their LPG gas cylinder through an online system and the agency can track the record of its customer and the delivery of the cylinder. The system will help the customers by providing a simple user interactive interface for booking gas online which will save them time and money. It also gives the agencies ease by helping them make the booking process faster and easier to maintain. There are various steps to book a gas like issuing an entry book, to travel agency from that to go to the delivery center, our system makes this whole process at one place. Basically, there are two types of users for the cylinders domestic and other is commercial. It gives every user a simple and secure system by authorizing the user before entering the system. This is helpful to the agency to get all the desired data through so many simple steps without going through manual records. The system will display the user the number of gas they booked online with a detailed description as there should be a limited time after which new gas can be booked.



Annai College of Arts & Science
Quality Education for Today & Tomorrow
Kovilacheri, Kumbakonam. 612 503. Ph: 0435 2453007
Accredited by NAAC with "B" Grade & Recognized by UGC under Section 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadm@gmail.com

PG Department of Computer Science

Bonafide Certificate

This is to certify that the Project entitled
Efficient and Personalized Car Dealer Marketing
Submitted in partial fulfillment of requirements for the award of the degree
of

MASTER OF COMPUTER SCIENCE

Is a bonafide record of the original work done by

NAME REG.NO.
YUVARANI S P 19273530

PG Department of Computer Science
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2021

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 27.3.21

Internal Examiner

External Examiner

Efficient and Personalized Car Dealer Marketing

Abstract

In this digital age, many retailers have blended traditional to online media in enhancing the customer experience thus making sales. In the context of automotive sales, car dealers worldwide have long practiced traditional marketing methods in the form of brochures, posters, flyers, banners and other physical display in combination with personal selling since the methods are proven by sales success. However, a new generation of customers is switching to online media to seek information and thus influence their purchase decision. This phenomenon is predicted to change the landscape of automotive retails globally. Hence, this study is conducted to investigate the promotional methods used by car dealers and its' effectiveness in securing sales. A series of interviews were conducted between June 2017 to August 2017 with five car dealers by using a semi-structured interview questions. The findings revealed two forms of promotional method which were commonly used by car dealers and car dealers' perception and preference on the promotional tools. As a result, the findings shall be fruitful for car marketers in learning the potential of current promotion practice and the future strategies. Further research is recommended to validate the findings through empirical studies and consequently, from car buyers' perspectives.