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Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
AASIF AHAMED.R	CB17S 250076
ABDULAFSAR.A	CB17S 250079
ABISHAKE RAJ.S	CB17S 250080

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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 the Air 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. We have develop this system to produce a web-based system that allow customer to register and reserve cab online and for the company to effectively manage their Cab hiring business. Presently car booking agency do all work offline when a customer comes to them they take the booking order and call the car driver to check their availability with their car if they manage to find a car for booking they confirm the order otherwise they cancel the order as they have no car for the booking. This process waste a lot of time of customer and also of car booking agency and it also give bad name to the agency but with our system car agency can confirm the order within a minute by checking the availability of cars for booking. So this car booking system is helpful to ease customer's task whenever they need to rent a cab or hire a cab.



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Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: ecaadm@annaicollege.ac.in

Department of Computer Applications
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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
ABUHARAIRA.JA	CB17S 250081
AJAY.D	CB17S 250082
AJITHKUMAR.J	CB17S 250083

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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.



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

Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
AKSHY.M.A	CB17S 250084
ANICHAM.P	CB17S 250086
ANITHA.A	CB17S 250087

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

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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.



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Department of Computer Applications

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AIRCRAFT DELAY ANALYSIS AND TECHNIQUE
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of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
ANUSUYA.V	CB17S 250088
ARAVINTHI	CB17S 250089
ARULRAJA	CB17S 250090

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

Internal Examiner

External Examiner

Aircraft Delay Analysis and Technique

ABSTRACT

Cost-optimized airline resource schedules often imply a lack of delay tolerance in case of unforeseen disruptions, e.g. late check-ins, technical defects or airport and airspace congestion. Therefore, the consideration of timeliness and robustness has become an important topic in robust resource scheduling and a wide range of sophisticated scheduling approaches has been developed in recent years. However, these approaches depend on assumptions made concerning delay occurrences. A better understanding of delay mechanisms may lead to a better trade-off between cost-efficiency and robustness and is therefore the purpose of this paper. We provide a data-driven detection of decision rules for daytime delay trends, depending on spatio-temporal attributes. The focus is on interpretable rules whose prediction accuracy is compared to random forests as a non-parametric, automated modeling approach. The obtained results give an insight into both the nature of primary delay occurrence and the methodical potential of delay prediction in the context of robust resource scheduling.



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

Department of Computer Applications
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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
ARUNKUMAR.R	CB17S 250091
ASBAK ANSAR AHAMED. B	CB17S 250092
ASHIK UMAR.M.S	CB17S 250093

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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 in the format of distributed architecture as the database platform. The proposals are planned to keep entire architecture to be browser (IE, Mozilla, Chrome) specific..



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

Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
ASHOK SINGAL.M	CB17S 250094
AYISHA SITTHIKKA.M	CB17S 250095
AZHARUDEEEN.A	CB17S 250097

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

April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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.



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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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
BARATH.K	CB17S 250098
BOOBALAN.E	CB17S 250099
DEVANATHAN.A.S	CB17S 250101

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30-3-2020

Internal Examiner

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Automated Course Selection and Registration Tactics

ABSTRACT

This project aims to introduce automated student's courses registration using computer-telephony integration. The number of students joining both undergraduate and graduate studies is increasing fast through most universities. Manual registration results in crowding a huge number of students inside the registration halls. Registration employees are suffering a lot. Online registration techniques help a lot but still many problems encountered. The reason is due the huge number of students trying to access the university web at the same time. Accessing the web through the Internet becomes a very slow and tedious process. In this research, Computer Telephony Integration technology (CTI) is used to solve these problems it would enable the students to register their courses using their telephones. Technology Application Programming Interface (TAPI) controls are used to develop a CTI application for accessing and updating registration databases. The design, analysis, implementation, and test of the designed system are included.



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Department of Computer Applications

Bonafide Certificate

This is to certify that the Project entitled
**AUTOMATED QUERY RESOLVER FOR COLLEGE
PLACEMENT**

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of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
DINESH.A	CB17S 250102
FAKTHAFAR NISHA.M	CB17S 250104
GAYATHRI.M(04-09-1999)	CB17S 250106

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

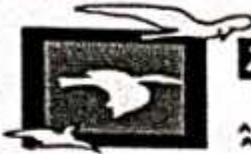
Internal Examiner

External Examiner

Automated Query Resolver for College Placement

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. We compare proteins using a sequence similarity profile (SSP) to a set of annotated training proteins. We introduce two new LSDR methods, one based on the structure of the GO, and one based on semantic similarity of terms. We show that these LSDR methods, as well as three existing ones, improve the Critical Assessment of Functional Annotation performance of several function prediction algorithms. Cross-validation experiments on *Arabidopsis thaliana* proteins pinpoint the superiority of our GO-aware LSDR over generic LSDR. Our experiments on *A.thaliana* proteins show that the SSP representation in combination with a kNN classifier outperforms state-of-the-art and baseline methods in terms of cross-validated *F*-measure.



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

Department of Computer Applications

Bonafide Certificate

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BIOINFORMATICS TACTICS FOR PROTEIN IMPROVEMENT
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
GAYATHRI.M(13-02-2000)	CB17S 250107
GOKUL.G.M	CB17S 250108
HARIHARAN.K	CB17S 250109

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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.



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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

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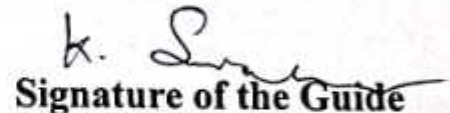
Is a bonafide record of the original work done by

NAME	REG.NO.
HARIHARAN.R	CB17S 250110
HARIHARAN.B	CB17S 250111
HARISH KANNAN.S	CB17S 250112

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020



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Head of the Department



Signature of the Guide

VIYA VOCE Examination for this Project Record Was held on 30-3-2020


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.



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Department of Computer Applications

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BUS-PASS REGISTRATION AND RENEWAL MECHANISM
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
HAWATHAHASIN.K	CB17S 250113
HEMALATHA M	CB17S 250114
HEMAVATHI.S	CB17S 250115

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

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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.



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Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
IMRAAN ALIM	CB17S 250117
INDUJA.M	CB17S 250118
IRSHATH HUSSAIN.J	CB17S 250119

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

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Head of the Department

Signature of the Guide

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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.



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CAREER AND CONSULTANCY SERVICE
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
ISMAIL.R	CB17S 250120
JAYALAKSHMI.J	CB17S 250121
JOHN PRAKASH.M	CB17S 250122

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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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.



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of

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Is a bonafide record of the original work done by

NAME	REG.NO.
KAMIL IRSHATH.S	CB17S 250123
KANNAN.V	CB17S 250124
KARTHI.U	CB17S 250126

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Kovilacheri – 612 503
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Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadmri@gmail.com

Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
KARTHIKA.K	CB17S 250127
KARTHIKEYAN.S	CB17S 250128
KAVIYARASANK.K	CB17S 250129

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30-3-2020

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 loadening 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.



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

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This is to certify that the Project entitled
COLLEGE NATIONAL SERVICE SCHEME
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of

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NAME	REG.NO.
KEERTHANA.M	CB17S 250130
KIRUBAKARAN.T	CB17S 250131
KOWSALYA.A	CB17S 250132

Department of Computer Applications
Anna College of Arts & Science
Kovilacheri – 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 20.3.2020

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.



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Affiliated to Bharathidasan University, Trichyappan, E-Mail: annaicollege@gmail.com

Department of Computer Applications

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CLOUD BASED HYBRID TEXT EDITOR
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
KOWSALYA.M	CB17S 250133
MANGALM	CB17S 250134
MANIKANDAN.G	CB17S 250135

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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.



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

Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
MANOJ.S	CB17S 250136
MATHESHWAR.M	CB17S 250137
MATHIVADHANIS	CB17S 250138

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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, trust worthy, 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 customer sand 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 Industry has huge demand for productivity improvement with the implementation of computer control automation. Modern image processing technique, image recognition and analysis in term of inspection, verification and automated process based on computer vision has advanced the step of automation industrial process. Industrial environment is very much favorable to vision programming. In the factory vision based industrial robot change the traditional way of mechanical assemble, quality control of product and rapid manufacturing. Hence numerous application and infinite solution for application in manufacturing industry makes image recognition a motivating field of study. However the scope of this field is very versatile and important so this project represent the state of the art in computer vision techniques for the industrial advancement and practical applicability.



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Affiliated to Bharathidasan University, Trichirappalli. E-Mail: acesdmn@gmail.com

Department of Computer Applications

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This is to certify that the Project entitled
BOOKS STORE MANAGEMENT SYSTEM
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of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
MOHAMED AFSAN.A.N	CB17S 250139
MOHAMED ANES.M	CB17S 250140
MOHAMED ARSATH.A	CB17S 250141

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

Internal Examiner

External Examiner

Books Store Management System

ABSTRACT

Book Store Management System is the web application to automate all kinds of operations in the book shop. The purpose of this software is to manage the books in the book store. Generally, it includes the Order Processing, Stock Management and Accounts Management. We developed this software to maintains records of sales, purchase and staff records. This project developed using ASP.NET as front end and SQL Server as Back end. Here we are try to develop such type system which is provide the automation on the any type of the bookshop. That means a shop which has the type system which provides the facility to the customers of the shop to purchase the books from the shop without any complexity. At the start of the business, the books store owner buys the book from the dealers. All the name of the books is noted down in the software along with rate. In the present system user has to do all work manually. In present system During issuing order of more stock, the product register is required to check to availability of stock in hand. And it takes time to check records. The amount paid to a particular dealer from whom the book was bought is also saved in the dealers tab. In present book store management system, To generate the reports based on the management requirement, will require extensive searching of records. In case of Supplier and Staff Record Management, the registers need to be updated time to time as information (like Phone No., Address) changes frequently. The stock section gives the total number of book stocks available in the store. When a customer buys a book from the store, a bill is generated. The bill contains the name of the book purchased, rate per book, quantity, total rate and the total amount. For example any customer want to purchase any book from the shop than first of all customer just choose the stream of the book than he/she can see the more then one type of books there and than he/she can choose the specific book from there



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Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadm@gnail.com

Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
MOHAMED ASFAR.A.R	CB17S 250143
MOHAMED FAHAD.F	CB17S 250144
MOHAMED FAHEM.A	CB17S 250145

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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.



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Affiliated to Bharathidasan University, Tiruchirappalli. E-Mail: acaadm@gnail.com

Department of Computer Applications

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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

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Is a bonafide record of the original work done by

NAME	REG.NO.
MOHAMED FAIROSE.A	CB17S 250146
MOHAMED HAFIL.R	CB17S 250147
MOHAMED MUJAHID.S	CB17S 250148

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
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Signature of
Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

Internal Examiner
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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."



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

Department of Computer Applications
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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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
MOHAMEDMUJJAMMILS	CB17S 250149
MOHAMED NISSAR.A	CB17S 250150
MOHAMED RABIK.R	CB17S 250152

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

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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.



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

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DESIGN AND IMPLEMENTATION OF ONLINE AUCTION
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of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
MOHAMED RIFATH.M	CB17S 250154
MOHAMED SAMEEM.H	CB17S 250155
MOHAMMED IRFANULLAH.J	CB17S 250156

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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Head of the Department

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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.



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Affiliated to Bharathidasan University, Tiruchirappalli E-Mail: acadmrc@gnail.com

Department of Computer Applications

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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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
MUSRAFHUSSAIN.J	CB17S 250157
MUSHRAK ALI.J	CB17S 250158
MUTHAMIZH.S	CB17S 250159

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

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Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

Internal Examiner

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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 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.



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Affiliated to Bharathidasan University, Trichy. E-Mail: acaadtmr@gmail.com

Department of Computer Applications

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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
NANDHAKUMAR.S	CB17S 250160
NETHAJI.P	CB17S 250161
NIYAS AHAMED.T	CB17S 250162

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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Head of the Department

Signature of the Guide

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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.



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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

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
PADMANABAN.B	CB17S 250163
PARTHA SARATHI.R	CB17S 250164
PRAVEEN.J	CB17S 250166

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
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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.



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

Department of Computer Applications

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This is to certify that the Project entitled
**ONLINE TO OFFLINE: THE IMPACT OF SOCIAL MEDIA ON
OFFLINE SALES IN THE AUTOMOBILE INDUSTRY**
Submitted in partial fulfillment of requirements for the award of the degree
of

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Is a bonafide record of the original work done by

NAME	REG.NO.
PRAVIN.P	CB17S 250167
PREMKUMAR.C	CB17S 250168
PRIYADARSHAN.S	CB17S 250169

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Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

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Head of the Department

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Online to Offline: The Impact of Social Media on Offline Sales in the Automobile Industry

ABSTRACT

Motivated by the literature on integrated multichannel marketing and the limited amount of prior literature on the impact of social media on sales of durable goods, we examine the dynamic relationships between firm-generated content (FGC), user-generated content (UGC), traditional media, and (offline) car sales. We collect detailed data from the official Facebook pages of 30 car brands in the U.S. automobile industry from 2009 to 2014 and employ a panel vector autoregressive model (PVAR model) that allows us to investigate the dynamic relationships among multiple time series variables, while controlling for influential factors. Our study suggests that FGC is more effective than UGC in influencing offline car sales, there is a substitution relationship between FGC and traditional while there is a complementary relationship between UGC and traditional media, and FGC has the long-term effect on offline car sales and it takes shorter time than UGC before the predictive value of FGC peaks. Our results also further indicate the heterogeneous effect of different communication formats. Finally, customers appreciate the volume of FGC only to make their purchase decisions whereas the content of FGC or UGC does not have any impact on offline car sales. Guidance is provided to managers in leveraging social media marketing to enhance customer relationships and boost offline sales.



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

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This is to certify that the Project entitled
EFFICIENT DOCTOR AND PATIENT PORTAL
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
RAHUL.K	CB17S 250171
RAMYA.G	CB17S 250173
RANJANI.S	CB17S 250174

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Annai College of Arts & Science
Kovilacheri - 612 503
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Efficient Doctor and Patient Portal

ABSTRACT

The project title is "EFFICIENT DOCTOR PATIENT PORTAL" to propose a doctor patient handling, managing system that helps doctors in their work and also patients to book doctor appointments and view medical progress. The system allows doctors to manage their booking slots online. Patients are allowed to book empty slots online and those slots are reserved in their name and unique ID's that has been generated. The system manages the appointment data for multiple doctors for various date and times. Each time a user visits a doctor his/her medical entry is stored in the database by doctor. Next time when a user login the users may view their entire medical history when needed. At the same time a doctor may view patient's medical history. This allows for an automated patient doctor handling system through an online interface. This system also consists of organ donor module. This module allows for organ donation registration as well as organ search. The module is designed to help urgent organ requirements effectively. At the same time reports can be submitted by patients to their desired doctors and as well they can send their images and documents regarding medical consultation.



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

Department of Computer Applications

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This is to certify that the Project entitled
**THE RIGHT TO EDUCATION FOR PERSONS WITH
DISABILITIES**

Submitted in partial fulfillment of requirements for the award of the degree
of

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NAME	REG.NO.
RIZWAN AHAMED.J	CB17S 250176
SACHIN.A	CB17S 250177
SAKTHIVINAYAGAM.S	CB17S 250179

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

Signature of
Head of the Department

Signature of the Guide

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Internal Examiner

External Examiner

The Right to Education for Persons with Disabilities

ABSTRACT

Achieving the right to education for persons with disabilities in basic education is a challenging task, but entirely necessary to achieve the Millennium Development Goal of education for all by the target date of 2015. The EFA Flagship entitled *The Right to Education for Persons with Disabilities: Towards Inclusion* has been created to spearhead such a global initiative. This paper presents a rights-based case for inclusiveness for all persons with disabilities not only in access to basic educational opportunity and accomplishing the comprehensive EFA mission, but most importantly also in their engagement at all levels in the policy and processes necessary for such inclusiveness to actually work.



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

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**APPLICATIONS OF GEOSPATIAL TECHNOLOGIES FOR
PRACTITIONERS: AN EMERGING PERSPECTIVE OF
GEOSPATIAL EDUCATION**

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BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
SALMAN FARIS.S	CB17S 250180
SANDEEP.R	CB17S 250181
SANGEETHA.A	CB17S 250182

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

April - 2020

Signature of
Head of the Department

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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Applications of Geospatial Technologies for Practitioners: An Emerging Perspective of Geospatial Education

ABSTRACT

Geospatial technology (also known as geomatics) is a multidisciplinary field that includes disciplines such as surveying, photogrammetry, remote sensing, mapping, geographic information systems (GIS), geodesy and global navigation satellite system (GNSS) (PunCheng, 2001). According to the U.S. Department of Labour, geospatial industry can be regarded as "an information technology field of practise that acquires, manages, interprets, integrates, displays, analyzes, or otherwise uses data focusing on the geographic, temporal, and spatial context" . It is a new integrated academic field that has a diverse range of applications . The applications of geomatics are in the fields of precision farming, urban planning, facilities management, business geographics, security and intelligence, automated mapping, real estate management, environmental management, land administration, telecommunication, automated machine control, civil engineering and so on. Even applications of some devices such as cellular phones, RFID (radio frequency identification) tags and video surveillance cameras can be regarded as part of geospatial technologies, since they use location information . So, graduates of geospatial technologies have the opportunity to pursue varying and challenging careers. Apart from offering graduates challenging career paths (both indoor and outdoor); geomatics exposes them to modern, cutting edge and innovative information system and technologies. The connection between geospatial technologies and information and communication system and technology runs deep. Geomatics fields, especially GIS, have used information and communication technologies such as database management, data sharing, networking, computer graphics and visualization. Thus, some authors regard geospatial technologies as part of information technology. Even geospatial technology has had its own free and open source software movement in the open source geospatial foundation (OSGeo) which organizes the free and open source software for geospatial (FOSS4G) conferences. The foundation also support a number of geospatial projects for web mapping, desktop applications, geospatial libraries and metadata catalogue. This relationship has led to further development of geospatial techniques and applications.



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

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**INTELLIGENT SECURITY SYSTEM USING IMAGE
PROCESSING**

Submitted in partial fulfillment of requirements for the award of the degree
of

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Is a bonafide record of the original work done by

NAME	REG.NO.
SANKARLINGAM.S	CB17S 250183
SANTHOSH SIVAN.V	CB17S 250184
SANTHOSH KUMAR.S	CB17S 250185

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503

April - 2020

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Head of the Department

Signature of the Guide

VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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Intelligent Security System Using Image Processing

ABSTRACT

security systems are meant only for the purpose of recording the images like cc cameras or for giving some alerts to the security officers about the theft. But, they won't take any action on the thief during the theft. This problem may be overcome by employing the enhanced security provided by the "INTELLIGENT SECURITY SYSTEM", without any manual assistance. It will take the action directly on the thief during the theft in a fraction of seconds. Intelligent Security Systems are employed mainly for the MILITARY ROBOTS to fight with the enemy person by automatically turning to the direction of the enemy and firing at him. They are also applicable in the MUSEUMS for high security.



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

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IDENTIFYING VISITORS SYSTEM IN COLLEGE
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BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
SAPNA.R	CB17S 250186
SAROJINI.P	CB17S 250187
SHAJAHAN.S	CB17S 250188

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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VIVA VOCE Examination for this Project Record Was held on 30.3.2020

Internal Examiner

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Identifying Visitors System in College

ABSTRACT

In this competitive technology world the impact of IT contributes major role in all real time systems. Various management systems implemented for achieving the business organization towards profit, standards, and further business enhancement. The main aim of this research is implemented a web based system that can secure the students that are staying under the university accommodation. This system is a well-structured system and easy to use also provide simple way to accommodate international students giving that more than 70% of students studying there are international. The languages used to develop this system are C# and scripting language is HTML and the database is MySQL. The structural design for this system used Microsoft Visio. Authors of this paper used two types of data gathering techniques which are questionnaire and interview. Nowadays most of the universities follows the manual system and still some of the standard universities follows automated system for students accommodation. The special features of this system are allow users to generate report of visitors, view notification list, generate instant messaging to the visitors, allocate parking and easy payment methods. In future this system will help the management to provide easy accommodation.



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ONLINE STUDENT ADMISSION SYSTEM
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
SIVAGURU B	CB17S 250189
SIVAKUMAR.P	CB17S 250190
SUBALAKSHMI.K	CB17S 250191

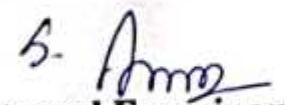
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Annai College of Arts & Science
Kovilacheri – 612 503
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Head of the Department


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Internal Examiner


External Examiner

ONLINE STUDENT ADMISSION SYSTEM

ABSTRACT

Today all the work at the time of admission of the students is done manually by ink and paper, which is very slow and consuming much efforts and time. It is required to Design of a Computerized Automated Student Admission System, to speed up and make it easy to use system. Student admissions are a vital part of any university's running because students are what keep a University alive. The student admission is one of the most important activities within a university as one cannot survive without students. A poor admissions system can mean fewer students being admitted into a university because of mistakes or an overly slow response time. The process begins with a potential student completing an application form through the Universities and Colleges Admissions Service, the first step for students is to apply directly to the university through a custom online form. This project's aim is to automate the system, prechecking the inclusion of all required material and automatically ranking each student's application based on a number of criteria. These criteria include the ranking of their university, their grade at said university and their language grade Certificate. The data used by the system is stored in a database that will be the center of all information held about students and the base for the remainder of the process after the initial application has been made. This enables things to be simplified and considerably quickened, making the jobs of the people involved easier. It supports the current process but centralizes it and makes it possible for decisions to be made earlier and easier way.



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This is to certify that the Project entitled
**INTERNET BASED LIVE COURIER TRACKING AND
DELIVERY SYSTEM**

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of

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Is a bonafide record of the original work done by

NAME	REG.NO.
SUBRAMANIYAN.K	CB17S 250193
SUGAPRIYA.S	CB17S 250194
SUMAN.R	CB17S 250195

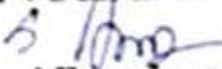
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Internet Based Live Courier Tracking And Delivery System

ABSTRACT

Courier service providers usually have a very large network across countries. A courier goes through several places including distribution center, aeroplane, ship, road transport etc. At this time even customer is conscious about where has his package reached. The customer can track his courier through a login where he may enter this courier number and track the location status of his package. Here we propose a dedicated courier tracking system where customer may check the status and location of his courier. Here every distribution channel including centre, airport terminal, rail, road terminal has a system operated by authorized people of that particular point of distribution. Each point of distribution has its login access. On login the person needs to make an entry of a package that reaches it. This data is directly uploaded the main system that now keeps track of latest location/status of the package through an active internet connection. The data stored on server can now be used for live package status tracking by customers. Customers may login to the server in order to enter their unique courier tracking number. On entering the number system first gets the last recorded status of that particular package and shows this data to the user. The user may now track his package as and when needed. The system can be further improved by adding a barcode to every package so that every point just needs to scan the barcode instead of doing a manual entry of package number



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This is to certify that the Project entitled
DESIGN AND DEVELOPMENT OF AN E-BILLING SYSTEM
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
SURYA.S	CB17S 250196
SURYAKUMAR.K	CB17S 250197
VAHITHBASHA.A	CB17S 250198

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Annai College of Arts & Science
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Design and Development of an E-billing System

ABSTRACT

The project is to create an application that should provide service to the user, collect user usage records, and generate invoices of each credit expire, each billing cycle depends on the billing type, collect payments and adjust customers' balances. The e-Billing system has the capacity to illustrate and analyze the basic billing system and the main functionalities that surround the billing system from a business prospective and explains how each interacts to complete the billing cycle. Also, development of a billing system emulator that is capable of can billing more quickly, accurately and update customer record and enables customer to view bill information. This Billing system can be deployed in a real world situation. For example, it could be implemented for a telecommunication company to have effective billing of the customer and it could also be deployed as contractor to already existing networks. Hopefully, at the end of the day the program will be able to satisfied the under listed objectives that would bridge the gap on short coming in the billing system.



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**A MACHINE LEARNING MODEL FOR STOCK MARKET
PREDICTION**

Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
VASANTHAN.A	CB17S 250199
VEERAMANI M	CB17S 250200
VENKADAKRISHNAN.M	CB17S 250201

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Annai College of Arts & Science
Kovilacheri – 612 503

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A Machine Learning Model for Stock Market Prediction

ABSTRACT

Stock market prediction is the act of trying to determine the future value of a company stock or other financial instrument traded on a financial exchange. The successful prediction of a stock's future price will maximize investor's gains. This paper proposes a machine learning model to predict stock market price. The proposed algorithm integrates Particle swarm optimization (PSO) and least square support vector machine (LS-SVM). The PSO algorithm is employed to optimize LS-SVM to predict the daily stock prices. Proposed model is based on the study of stocks historical data and technical indicators. PSO algorithm selects best free parameters combination for LS-SVM to avoid over-fitting and local minima problems and improve prediction accuracy. The proposed model was applied and evaluated using thirteen benchmark financials datasets and compared with artificial neural network with Levenberg-Marquardt (LM) algorithm. The obtained results showed that the proposed model has better prediction accuracy and the potential of PSO algorithm in optimizing LS-SVM.



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

Department of Computer Applications

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**MONITORING OF SUSPICIOUS DISCUSSIONS ON ONLINE
FORUMS USING DATA MINING**
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by


NAME	REG.NO.
VIGNESH.H	CB17S 250203
VIGNESH.P	CB17S 250204
VISHVAPRIYA.M	CB17S 250205

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020



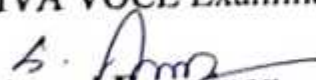
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Monitoring Of Suspicious Discussions On Online Forums Using Data Mining

ABSTRACT

The internet has changed the lives of so many people for better or worse. As internet technology is progressing, many illegal activities have also increased exponentially. The Internet is an unacknowledged path for illegal activities such as hacking, trafficking, betting, fraud and scams etc. The cyber-crime branches are looking for provisions to detect these forums for illegal feedbacks, comments or reviews and download questionable postings as verification for their investigation. Our proposed system will monitor for suspicious postings, collect it from few discussion forums, implement techniques of data mining and extract meaningful data. In this concern, we focus on Data Mining and Sentimental Analysis to enhance the techniques and to extract the features of the text to represent them.



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

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ONLINE SHOPPING SYSTEM
Submitted in partial fulfillment of requirements for the award of the degree
of

BACHELOR OF COMPUTER APPLICATIONS

Is a bonafide record of the original work done by

NAME	REG.NO.
S.SALEATH FRANKLIN	CB17S 251775
SIVAPRIYA B	CB17S 247730
GOWTHAMRAJ.B	CB17S 250937

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri - 612 503
April - 2020

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ONLINE SHOPPING SYSTEM

ABSTRACT

This project is a web based shopping system for an existing shop. The project objective is to deliver the online shopping application into android platform. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop. This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains. If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipcart or ebay. Since the application is available in the Smartphone it is easily accessible and always available. .



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Affiliated to Bharathidasan University, Tiruchirappalli E-Mail: acaadm@annai.ac.in

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**NUTRITION AND HEALTH IN HOTEL STAFF ON DIFFERENT
SHIFT PATTERNS**

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NAME	REG.NO.
MOHAMED YASAR S	CB17S 250946

Department of Computer Applications
Annai College of Arts & Science
Kovilacheri – 612 503
April - 2020

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VIVA VOCE Examination for this Project Record Was held on 30.3.2020

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Nutrition and health in hotel staff on different shift patterns

ABSTRACT

The examines the nutritional behaviour and health of hotel staff working alternating and regular shifts. To analyse the nutritional behaviour and health of employees working in alternating and regular shifts. The study used an ex post facto cross-sectional analysis to compare the nutritional behaviour and health parameters of workers with alternating shifts and regular shift workers. Nutritional behaviour was assessed with the Food Frequency Questionnaire. Body dimensions (body mass index, waist hip ratio, fat mass and active cell mass), metabolic values (glucose, triglyceride, total cholesterol and low- and high-density lipoprotein), diseases and health complaints were included as health parameters. Participants worked in alternating (n = 53) and regular shifts (n = 97). The average age of subjects was 35 ± 10 years. There was no significant difference in nutritional behaviour, most surveyed body dimensions or metabolic values between the two groups. However, alternating shift workers had significantly lower fat mass and higher active cell mass but nevertheless reported more pronounced health complaints. Sex and age were also confirmed as influencing the surveyed parameters. Shift-dependent nutritional problems were not conspicuously apparent in this sample of hotel industry workers