A R U N A I
Engineering College
Tiruvannamalai, TamilNadu

Approved by AICTE Affiliated to Anna University
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Department of

Computer Science and Engineering

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i - Grow Association

THE BYTE

DEC

2018

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MESSAGES

THE BYTE

VICE CHAIRMAN'S MESSAGE

Er.E.V.Kumaran M.E.,
Vice-Chairman

"The Byte" is particularly important as it encourages the students to share the knowledge they have acquired. Writing articles for the magazine also improves the communication skills of the budding engineers of the CSE department. It is common knowledge that representation of an idea is as important as, if not more important, than the idea itself. "The Byte" represents a cloud with a silver lining for the world of technology. It aims to inspire and nurture upcoming engineers to bring a revolution in this ever-evolving world of technology. The magazine captures the current technological advancements.

It is my pleasure to congratulate the team that has taken the initiative for producing this magazine. It is great to find a considerable number of technical articles that certainly prove that our staff and students are adequately equipped and possess necessary skill sets to express their talent.

Reading this magazine would definitely be an inspiration and motivation for all students and staff to contribute even more to the forthcoming issues. I hope that everyone would continue to give their full efforts to keep the momentum and continue to enhance the standards of the magazine

In the words of Our Great Visionary Former President of India Dr.APJ.Abdulkalam

"Learning gives creativity, Creativity leads to thinking,

Thinking provides knowledge, Knowledge makes you great."

May the **QUALITY EDUCATION** we impart to our students and enlighten their minds and hearts towards always aiming high.

REGISTRAR'S MESSAGE

Dr.R.Sathiyaseelan
Registrar

It is my pleasure to congratulate the team that has taken the initiative for producing this magazine. It is great to find a considerable number of technical articles that certainly prove that our staff and students are adequately equipped and possess necessary skill sets to express their talent.

Reading this magazine would definitely be an inspiration and motivation for all students and staff to contribute even more to the forthcoming issues. It is our effort to make AEC of Computer Science a top educational institution that can create IT professionals,

who blend effectively, technological skills with management perspectives and to impart an inherent discipline that will help them face challenges in the future.

I hope that everyone would continue to give their full efforts to keep the momentum and continue to enhance the standards of the magazine

PRINCIPAL'S DESK

Dr.L.Jayakumar
Principal

It is our effort to make AEC of Computer Science a top educational institution that can create IT professionals, who blend effectively, technological skills with management perspectives and to impart an inherent discipline that will help them face challenges in the future.

Consequently, the true education should deepen our insight, widen our horizon and create a meaningful outlook.

Equally the students are fortunate enough to have born in a free nation, with all the facilities to shape their career in such a way, that they should be part of a good and healthy society with progressive attitude towards divinity.

HOD'S MESSAGE

Dr.K. Muthumanikam

HOD/CSE

The Department of Computer Science & Engineering (CSE) is dedicated for ensuring great careers for its students. For us, this means forging deeper industry linkages than ever before, creating a research culture from day one and ensuring seamless education using the best technology available anywhere. The excellent infrastructure, teaching faculty of the best kind of the Department ensuring quality education such as interaction among students, parents and staff, along with a Training and Placement Cell ensures a bright future to its students. We strongly encourage innovation in research, in teaching and in service to the profession, the local community and industry. Our faculty and students are constantly striving to excel and to advance the state of the art in Computer Science and Engineering.

Consequently, great advances have taken place in the field of computer science and engineering, bringing together the understanding of the scientific and technological foundations of computing, the concepts of software and hardware as well as those of Computer Science and Engineering endeavors to contribute to these advances through teaching and research in this field.

It gives us a great contentment to bring it to you the department magazine of CSE. This magazine is a platform to exhibit the innovative ideas of teachers and students. The E magazine attempts to present the Department and its activities for general information to all concerned.

"The Byte" magazine offers an existing platform for the students as well as faculty members to exhibit the knowledge they possess and a good change to develop the same.

STUDENT EDITORS DESK

KALAI SELVAN P – FINAL YEAR CSE
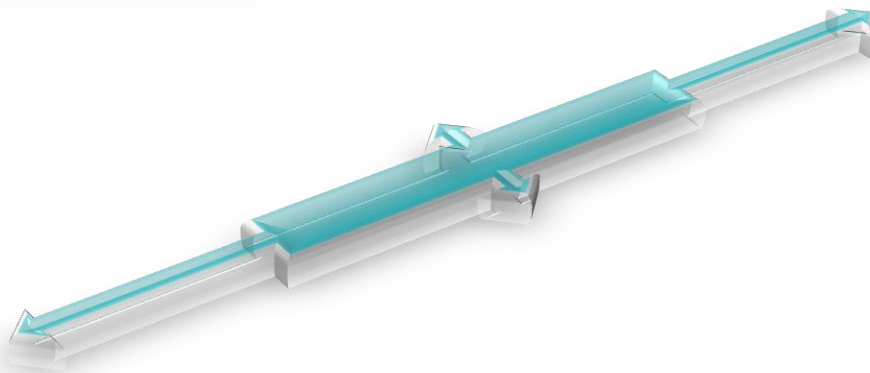
SANGAVI M – FINAL YEAR CSE

VALLI N – FINAL YEAR CSE

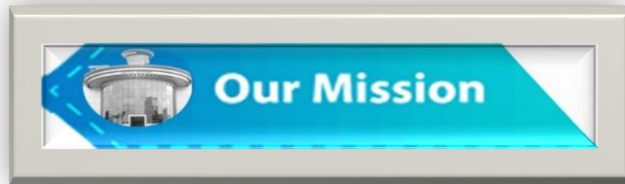DHIVESH.B – THIRD YEAR CSE

AMIT RAJ – THIRD YEAR CSE

RUTHNAKUMAR –SECOND YEAR CSE

PRAVEEN – THIRD YEAR CSE

Vision and Mission

To be a National Leader in Research and Technical Education

Strive to prepare computing graduates who are highly wanted for productive and well-respected work to contributed in the field of computing areas in tune with state of art technology. Strive to carry out innovative research which adds to understanding of basic concepts. Strive to provide services to hardware and software industry through technology transfer and applied research, provide service to industries through technology transfer and applied research.

About Department

Computer Science and Engineering was established in the year 1993. Currently the Department offers an under-graduate program (B. E) in Computer science and engineering with an intake of 120 students and post graduate program (M.E) in computer science and engineering with an intake of 18.The primary goal of CSE is to providebest IT infrastructure, world class learning & research environment, adopt industry practices through industry collaborations and inculcate moral and ethical values. The department also focuses on infusing confidence in the minds of students and to develop them as entrepreneurs. The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them

PEOS

PEO1-Graduates will have successful career in Computer Science and
related industries or pursue higher education and research
or evolve as entrepreneurs

PEO2-Graduates will have the ability and attitude to adapt to emerging
technological changes.

PEO3-Graduates will excel as socially committed engineers with high ethical values,
leadership qualities and empathy for the needs of society

Program Outcomes POs

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering
specialization to the solution of complex engineering problems

Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems
reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering
sciences.

Design/development of solutions: Design solutions for complex engineering problems and design system components or
processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural,
societal, and environmental considerations

Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one 's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
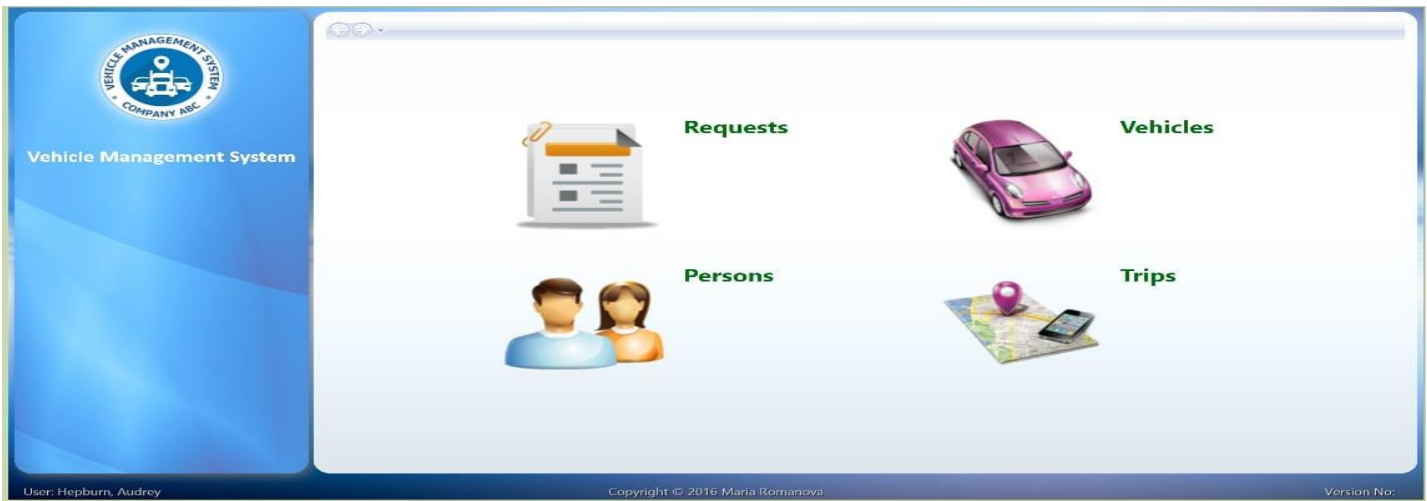
Scientist of the Quarters

Barbara Liskov (born November 7, 1939 as Barbara Jane Huberman) is an American computer scientist who is an Institute Professor at the Massachusetts Institute of Technology and Ford Professor of Engineering in its School of Engineering's electrical engineering and computer science department. She was one of the first women to be granted a doctorate in computer science in the United States and is a Turing Award winner who developed the Liskov substitution principle. Liskov was born November 7, 1939 in Los Angeles, California, to a Jewish family, the eldest of Jane (née Dickhoff) and Moses Huberman's four children. [She earned her BA in mathematics with a minor in physics at the University of California, Berkeley in 1961. In her classes she had one other female classmate, the rest were male. She graduated she applied to graduate mathematics programs at Berkeley and Princeton. At the time Princeton was not accepting female students in mathematics. She was accepted at Berkeley but instead of studying she moved to Boston and began working at Mitre Corporation. It was there that she became interested in computers and programming. She worked at Mitre for one year.

She then decided to go back to school and applied again to Berkeley, but also to Stanford and Harvard. In 1968 she became one of the first women in the United States to be awarded a Ph.D. from a computer science department when she was awarded her degree from Stanford University. At Stanford she worked with John McCarthy and was supported to work in artificial intelligence.[1] The topic of her Ph.D. thesis was a computer program to play chess endgames for which she developed the important heuristic. After graduating from Stanford, Liskov returned to Mitre to work as research staff. Liskov has led many significant projects, including the Venus operating system, a small, low-cost and interactive timesharing system; the design and implementation of CLU; Argus, the first high-level language to support implementation of distributed programs and to demonstrate the technique of promise pipelining; and Thor, an object-oriented database system. With Jeannette Wing, she developed a particular definition of subtyping, commonly known as the Liskov substitution principle. She leads the Programming Methodology Group at MIT, with a current research focus in Byzantine fault tolerance and distributed computing. She was on the inaugural Engineering and Computer Science jury for the Infosys Prize in 2009. Liskov is a member of the National Academy of Engineering, the National Academy of Sciences and a fellow of the American Academy of Arts and Sciences and of the Association for Computing Machinery (ACM). In 2002, she was recognized as one of the top women faculty members at MIT, and among the top 50 faculty members in the sciences in the U.S In 2002, *Discover* magazine recognized Liskov as one of the 50 most important women in science. In 2004, Barbara Liskov won the John von Neumann Medal for "fundamental contributions to programming languages, programming methodology, and distributed systems". On 19 November 2005, Barbara Liskov and Donald E. Knuth were awarded ETH Honorary Doctorates. Liskov and Knuth were also featured in the ETH Zurich Distinguished Colloquium Series. In 2018 she was awarded as Doctor Honoris Causa by Universidad Politécnica de Madrid. Liskov received the 2008 Turing Award from the ACM, in March 2009, for her work in the design of programming languages and software methodology that led to the development of programming. Specifically, Liskov developed two programming languages, CLU in the 1970s and Argus in the 1980s.The ACM cited her contributions to the practical and theoretical foundations of "programming language and system design, especially related to data abstraction, fault tolerance, and computing". In 2012 she was inducted into the Fame. Barbara Liskov is the author of three books and over one hundred technical papers.

Java Web application on Car Store System

The main aim of this car store project is to create a web-based application using Java and MySQL for an online car store system that includes the customers to search for cars and order online and manage their online bookings. Online Car Store System is a website that allows a customer to search for various cars available at the store, segregate according to the price and model, Unique data of cars available, Time it takes for a car to get delivered, book the car online and enter the date they would visit the store and also allows customers to book for a test drive. Other features such as discounts, EMI Scheme, Insurance and Client Testimonials.

Devanathan N
Final Year,CSE

Symbol recognition

This is one of the excellent computer science project ideas for beginners. The proposed project seeks to build a system that can recognize symbols inserted by the user. This symbol recognition system leverages an image recognition algorithm to process images and to identify symbols. First, the system converts RGB objects into grayscale images which is then further converted into black and white images. During the process, image processing is applied to remove unwanted objects and environmental interference. The system further uses optical character recognition for recognizing the images with 60-80% accuracy. This is one of the interesting computer science projects. In the system, all symbol templates will be stored in a specific directory. The size of each image is fixed to allow the easy recognition of the symbols with accuracy. The templates will remain in black and white form, and the system will create a dataset of these templates. When a user inputs a query image into the system, it will resize the query image, compare the resized image values against the template image values in the dataset, and finally display the result in text format. So, while the system takes inputs as images, it delivers output in a textual form.

Revathi M
Third Year,CSE

Travel & Tourism Management System

The Main objective of this Travel & Tourism project is to make the travel easy and comfortable for the users right from finding the routes and buses to till the booking of the tickets. In this project, we have two modules, Admin, and user. Admin in this Travel & Tourism Management System project will log in with the default username and password and admin has authority to add the bus routes and add the travel and assign the route id 's and bus id 's and finally, the admin will add the buses at particular times in different routes. Admin will also add the different travel agencies while.

Manoj D
Final Year,CSE

Cursor movement on object motion

This is a project where you will design a cursor that can move through desktop and perform actions based on hand gestures. The system's object movement will be based on RGB (red, green, and blue) color – it can detect RGB color object that will function as the mouse. It would help if you imported the Java AWT library to coordinate with the cursor. The system setting uses a webcam to track the movement of the red, green, and blue objects and based on the object movement patterns, accordingly trigger an event. The cursor movement system will acquire a single frame from the video recorded by the webcam and flip the frame for the user to see. It converts the captured image into a binary image wherein the RGB objects will become white. The system further adds a bounding box around the object that the user can move throughout the display.

Valli N
Final Year,CSE

Android battery saver system

This is one of the simple computer science projects yet an exciting one. The Android battery saver is designed to analyze the battery usage data from built-in classes and create a consolidated list of apps that drain the power of the Android phone. The system can also determine the battery level of the phone. In situations where the battery level is low, and numerous apps are consuming too much power, this system will trigger an alarm telling the user to force stop or close the apps that are drawing power. While the battery saver system has no backend, it uses Android Studio as the frontend. Since the system feeds on data from the Android phone, it does not need a backend framework. The primary aim of this battery saver system is to notify users of the apps that are high on power consumption, thereby allowing them to take specific actions to stop battery drainage.

Arthi R
Third Year,CSE

Public news droid

This is one of the excellent computer science projects for beginners. The public news droid is an informative software application that informs users about the trending news, occurrences, and interesting events happening in and around their locality. Thus, the idea behind creating this information system is to keep the users informed about the happenings in their vicinity. The system uses Android Studio as the frontend and SQL Server as the backend. The system involves two modules, one for the admin and one for the user. The admin monitors the accuracy and relevancy of news and information. For instance, if the admin encounters fake news or app misuse, they can take necessary action to stop the spread of such irrelevant information. On the contrary, users can view news and informative articles only of their respective localities/towns/cities, and they can add news related to any other city. Mentioning computer science projects can help your resume look much more interesting than others. To use the app, users need to register into the system to use this app and add all the necessary details. Once the registration process is successful, the user can see the latest news, refresh the app, browse for more information, add new information and upload it (within 450 words), and so on. Users can also add images and title for the news they add.

Kalki V
Third Year,CSE

Online auction system

In an online auction, buyers and sellers engage in transactional business, wherein buyers purchase items through price bidding. Here, the bids have a starting price and an ending time. Potential buyers who place the highest bidding price for an item are declared the winners and owners of particular items. In this project, you will create a secure online auction system using the fraud detection method with binary classification. If a user wants to buy a product through an online auction, they must provide their identification details like PAN number, email address, license number, etc. The system will then screen the users, authenticate, and authorize them. Only authorized users can bid in the auction. The system will be designed to predict fraudulent users in the early stages, thereby eliminating the risk of online fraud and scams. This beginner-level computer science projects will help build a strong foundation for fundamental programming concepts.
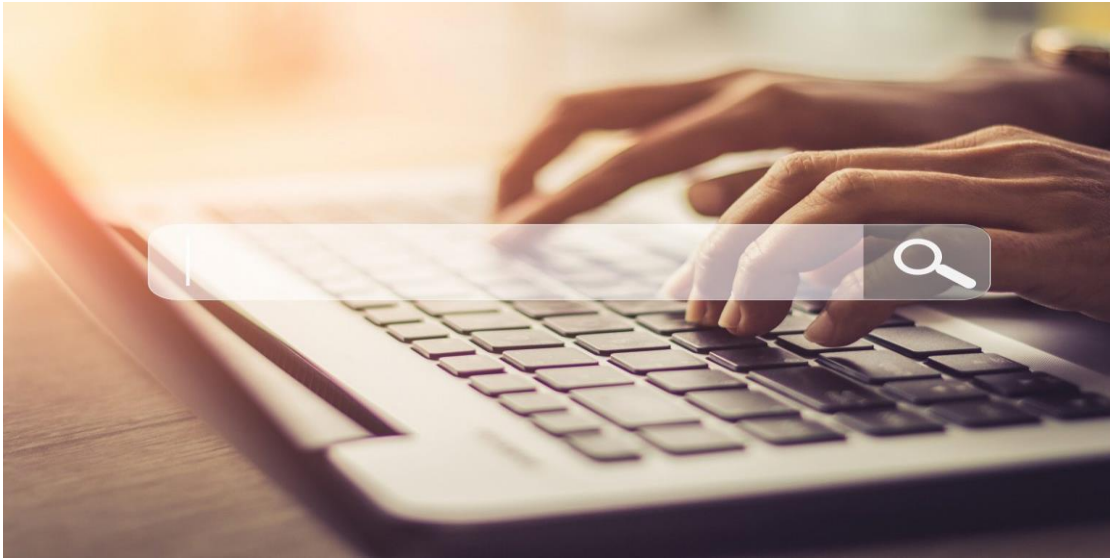
Nithya J
Third Year,CSE

e-Authentication system

This project focuses on building an e-Authentication system using a combination of QR code and OTP for enhanced security. The e-Authentication system is designed to avoid hacking of accounts through shoulder surfing and misuse of login credentials. To be able to use the system, a user has to first register in the system by entering the basic registration details (name, address, zip code, etc.). Once the registration is complete, the user can access the login module to authenticate the account by entering the email id and password combination they used during registration. Then, the user can proceed to the next authentication step using either of the two options – QR (Quick Response) code or OTP (One Time Password). As per the option selected by the user, the system will generate a QR Code or an OTP. While the QR code will be sent to the user's mail id, the OTP will be sent via SMS to the registered mobile number of the user. The system randomly generates the QR Code and OTP at the time of login. It makes the login more secure. However, to use this system, one always needs an active Internet connection.

Kiruthika M
Final Year,CSE

Search engine

This search engine is developed using web annotation. It is one of the trending computer science projects where when users enter specific words or phrases in a search engine, it automatically fetches the most relevant pages that contain those keywords. Web annotation makes it possible. Web annotation helps to make an application user-friendly. Thanks to web annotation, users can add, modify, and remove information from Web resources without altering the resource itself. This project uses web annotation on pages and images. When the user enters words, names, or phrases in the system, it will fetch the information and pictures having the same annotation. Then the system displays a list of results that contain the image or content matching to the user input. For this search engine, you need to use an effective algorithm to generate a query result page/search result records based on users' queries.

Sridhar A
Third Year,CSE

Cyber Bullying Detection Using Machine Learning

Cyber bullying is the process of sending wrong messages to a person or community which causes heated debate with users. Cyberbullying is mostly seen in social networking sites where users reply to post with bullying words to threaten or insult other users. Cyberbullying is considered a misuse of technology. According to the latest survey done on all over the world data day by day, cases are increasing on cyberbullying. In order to solve this problem many natural language processing techniques are proposed by various authors which are time taking and not automatic. With the advancement of machine learning and artificial intelligence, models can be created and automatic detection can be implemented. To show this scenario live chat application is developed in python programming with multiple clients and one server and the Naive Bayes algorithm is used to train the model on a Twitter dataset and using this model live detection of cyberbullying is predicted and alert messages are shown on the chat application.

Bhavana R
Third Year,CSE

Online eBook maker

One of the best ideas to start experimenting your hands-on computer science projects for students is working on online eBook maker. This online eBook maker will allow users to design and create eBooks free of cost. The system has two modules – admin login and author login. The admin can accept requests from users (authors), check and validate their details, evaluate completed eBooks, and process the request by mailing eBooks to the authors. Users can register in the system using the author login. After filling in the necessary details, users can create new books, specify the context of books, add the title, number of pages, add a book cover, etc. Existing users can simply log in using their ID and password, and they can either create new books or resume editing the existing (unfinished) eBooks. Authors can keep only three incomplete eBooks at a time, of which they must complete at least one book before starting a new book.

Sanjay R
Third Year,CSE

Student Career and Personality Prediction Android Application

As students are going through their academics and pursuing their interested courses, it is very important for them to assess their capabilities and identify their interests so that they will get to know in which career area their interests and capabilities are going to put them in. This will help them in improving their performance and motivating their interests so that they will be directed towards their targeted career and get settled in that. Also, recruiters while recruiting the candidates after assessing them in all different aspects, these kinds of career recommender systems help them in deciding in which job role the candidate should be kept in based on his/her performance and other evaluations. This paper mainly concentrates on the career area prediction of computer science domain candidates.

Vennila S
Third Year,CSE

Mobile wallet with merchant payment

This can be an interesting and useful computer science project ideas. As you can guess by the name, this is a QR code scanning application designed for handling and facilitating liquid cash transactions between sellers (merchants) and consumers. The aim of building this app is to provide a secure, reliable, and efficient platform for monetary transactions on both ends. Each time, the system generates a unique QR code ID, and all passwords are encrypted using AES Encryption Algorithm. There are two parts of this application – an Android application for merchants that can scan the QR code and the other part for the consumer for generating the QR Code. The frontend uses Android Studio, and the backend uses SQL Server. This system functions something like this when merchants scan the QR code generated by the app, the desired amount is transferred into their wallet that is easily transferable into their bank accounts. As for the consumers, they need to add money to their wallet via their credit/debit cards linked to their bank accounts. They can save the card details for future use. Merchants can also change their personal and bank details.

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Divya Bharathi S R
Third Year,CSE

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Crime rate prediction

This is one of the interesting computer science project ideas to create. As the name suggests, this Computer Science project involves building a prediction system that can analyze and predict the crime rate of a particular location. Naturally, the system needs to be fed with relevant data. It uses the K-means data mining algorithm to predict the crime rate. The K-means algorithm can cluster co-offenders and organized crime groups by detecting relevant crime patterns via hidden links, link prediction, and statistical analysis of crime data. It functions somewhat like this – the admin will feed the crime data into the system. The algorithm will analyze crime data stored in a database and extract information and patterns from it. It will then collate the crime groups based on the patterns found in the dataset. The clusters will be made based on factors like where the crime took place, which people were involved in the crime, and when the crime occurred.
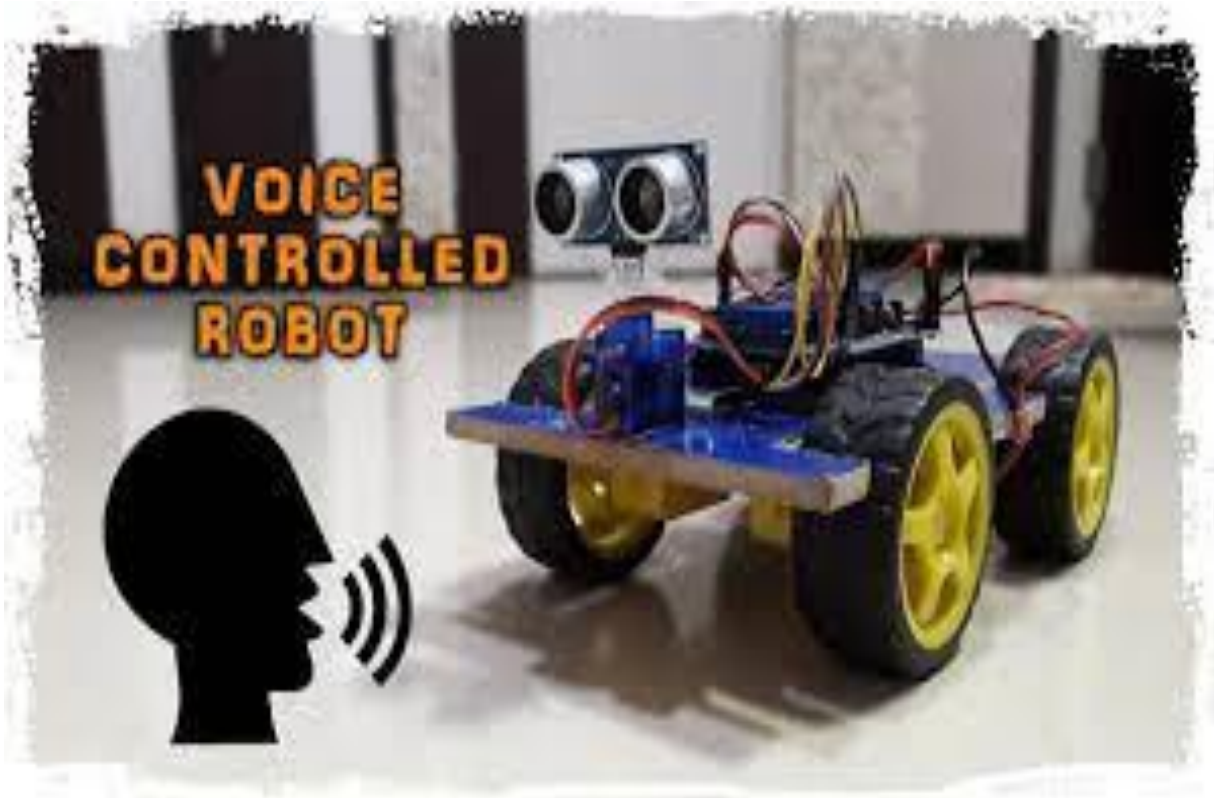
Himaculate Rani
Final Year,CSE

Android Based Complaint Management System

In India we don't have any direct communication between the government and public in an efficient way for solving the problems i.e., for getting a problem solved in our place we have to bribe the officials and get them solved in 2 months which can be solved actually in 1 month of time. In order to overcome this problem, We Can develop Android Application through which public can post the petitions or complaints in the site and get them solved in a specified time and can also know the status of the complaint or petition he has lodged at any time. Initially phones were merely used for calling or texting. Now-a-days, the scenario has changed. In today's world, more focus is given on the availability of the internet and thus using various applications present in the android market. Now days we are supposed to manage our daily work on time, accurately, very fast and with our satisfaction. So, we are using various technologies in our life for fulfilment of our daily work. The main purpose of this project is to help the public in knowing their place details and getting their problems solved in online without going to the officer regularly until the problem is solved. By this system the public can save his time. The main purpose of this project is to help the public in knowing their place details and getting their problems solved in online without going to the officer regularly until the problem is solved. By this system the public can save his time and eradicate corruption in government offices. Its main purpose is to provide a smart and easy way through Android Application for Complaint registration and its Tracking and eradicating Bribing system and thus to prevent Corruption.
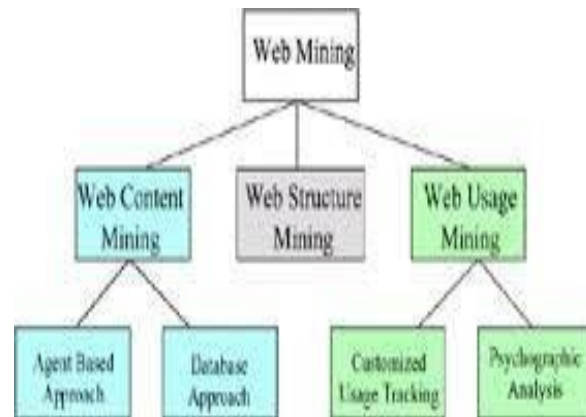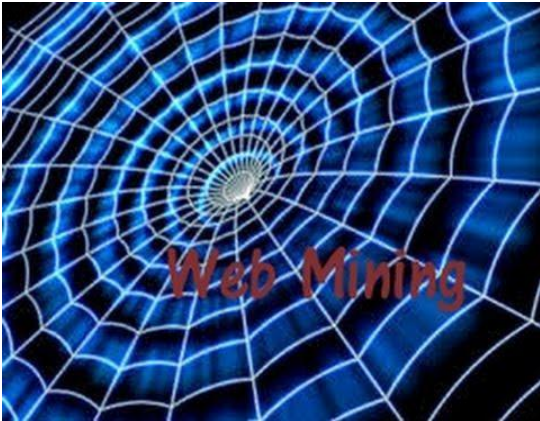
Amit Raj
Third Year,CSE

Voice Controlled Robotic Vehicle

This project Voice Controlled Robotic Vehicle helps to control robot through voice commands received via android application. The integration of control unit with Bluetooth device is done to capture and read the voice commands. The robotic vehicle then operates as per the command received via android application. For these 8051 microcontrollers is integrated in the system which makes it possible to operate the vehicle via android application. The controlling device may be any android based Smartphone/tab etc. having an android OS. The android controlling system provides a good interactive GUI that makes it easy for the user to control the vehicle. The transmitter uses an android application required for transmitting the data. The receiver end reads these commands and interprets them into controlling the robotic vehicle. The android device sends commands to move the vehicle in forward, backward, right and left directions. After receiving the commands, the microcontroller then operates the motors I order to move the vehicle in four directions. The communication between android device and receiver is sent as serial communication data. The microcontroller program is designed to move the motor through a motor driver IC as per the commands sent by android device.

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Madhumitha K
Third Year,CSE

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Web content Mining

Web content mining, also known as text mining, is generally the second step in Web data mining. Content mining is the scanning and mining of text, pictures and graphs of a Web page to determine the relevance of the content to the search query. This scanning is completed after the clustering of web pages through structure mining and provides the results based upon the level of relevance to the suggested query. With the massive amount of information that is available on the World Wide Web, content mining provides the results lists to search engines in order of highest relevance to the keywords in the query. Text mining is directed toward specific information provided by the customer search information in search engines. This allows for the scanning of the entire Web to retrieve the cluster content triggering the scanning of specific Web pages within those clusters. The results are pages relayed to the search engines through the highest level of relevance to the lowest. Though, the search engines have the ability to provide links to Web pages by the thousands in relation to the search content, this type of web mining enables the reduction of irrelevant information. Web text mining is very effective when used in relation to a content database dealing with specific topics. For example, online universities use a library system to recall articles related to their general areas of study. This specific content database enables to pull only the information within those subjects, providing the most specific results of search queries in search engines. This allowance of only the most relevant information being provided gives a higher quality of results. This increase of productivity is due directly to use of content mining of text and visuals. The main uses for this type of data mining are to gather, categorize, organize and provide the best possible information available on the WWW to the user requesting the information. This tool is imperative to scanning the many HTML documents, images, and text provided on Web pages. The resulting information is provided to the search engines in order of relevance giving more productive results of each search. Web content categorization with a content database is the most important tool to the efficient use of search engines. A customer requesting information on a particular subject or item would otherwise have to search through thousands of results to find the most relevant information to his query. Thousands of results through use of mining text are reduced by this step.

Seenivasan M
Third Year,CSE

RIDDLES

1.What word begins and ends with an E but only has one Letter?

2.If you have me, you want to share me. If you share me, you don't have me. What am I?

3.I am a word. If you pronounce me rightly, it will be wrong. If you pronounce me wrong it is right. What word am I?

4.What question can you never answer "yes" to?

5.Turn me on my side and I am everything. Cut me in half and I am nothing. What am I?

6.Light as a feather, there is nothing in it; the strongest man can't hold it for much more than a minute.

7.You can't keep this until you have given it.

8.Why can't a man living in New York be buried in Chicago?

9.I am lighter than air but a hundred people cannot lift me. Careful, I am fragile. What am I?

10.What walks on four feet in the morning,

   two in the afternoon,

   and three at night?"

ANSWERS

1.Envelope.

2.A Secret

3.Wrong.

4."Are you asleep?"

5. A number 8

6.Breathe

7.promise

8.Because he is alive

9.A Bubble

10.Man

IMPORTANT WEBSITES

1.**Makesecure**: Get network security news, alerts, and updates

2.**TechTutorials**: This directory has loads of computer technology tutorials.

3.**Codango**: This resource for web developers has reviews, guides, tutorials, and more.

4.**Babel**: This glossary offers information on computer-related abbreviations and acronyms.

5.**TechXtra**: This search engine focuses on computing, mathematics, and engineering

6.**Code.org**: Learn to code by playing games

7.**CodeHS**: A site to help teach coding to everyone and with help being offered by computer science tutors.

8.**CompTIA**: This organization provides their members in the information technology industry with technology resources.

9.**IEEE Computer Society**: This society is a source for computer technology information, inspiration, and collaboration.

10.**Code Guru**: A programming site that covers Visual C++/C++, .Net/C# and Visual Basic.

Alumni Talk

Treat the campus like a community in which you live. You go to work every day in the classroom, but outside of that there is so much more to discover. This new adventure is an opportunity to learn about yourself through taking part in new experiences, but also a time of challenges. My advice, think of the challenges as falling forward. No matter what, you are always learning and growing, which better prepares you for tomorrow.

Aradhika R
Batch(2014 – 2018)

I remember when I was entering my first year of college, I was extremely excited but at the same time extremely nervous. Reflecting back on the whole experience now, I would encourage incoming students to recognize that like anything in life, you'll face both ups and downs throughout your college experience. The important thing to remember is to always try your best and not let the instances where you may have fallen short hold you back from continuing to work hard and reach your full potential. Speaking more specifically about Arunai Engineering college, it is a massively rich campus with both great people and amazing opportunities. Take these next few years to really make the most of it.

Karthik. M
Batch(2014 – 2018)

Finding the right path to success at the right time is really very important and for that way I had selected Arunai Engineering college. The friendly environment, the systematic approach towards imparting education at our college made me a competent individual. The wide range of activities- both curricular and co-curricular- along and the support from college is really very helpful for my future. The faculties are really very kind and approachable when any need arises. we are trained for our placements and because of that I was placed in one of the reputed companies for my internship. Today, if I am in good position, it's because of what I have learnt from Arunai Engineering college.

Mukesh T
Batch(2014 – 2018)

I encourage you to think of Arunai Engineering college as a new beginning. It is a time to rewrite or enhance your life story. Challenge yourself to take on something new and out of your comfort zone. Dive into your studies and soak up every moment of higher learning with the knowledge that your education will serve you for many decades to come. Reach out to new friends who will enrich your life in ways you can't even imagine. This is your time embrace it.

Kamali K
Batch(2014 – 2018)

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