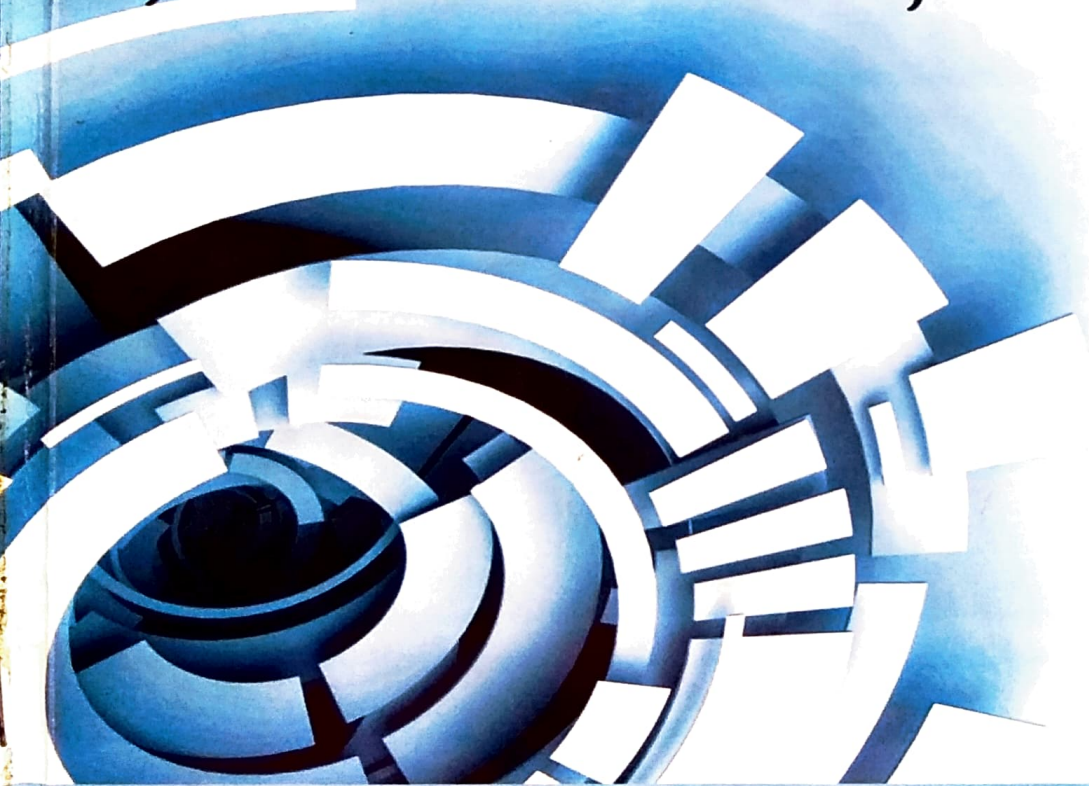


TECHMINDS

Volume-3
2017-2018

Department of Computer Science



JINDAL FIRST GRADE COLLEGE FOR WOMEN
NAAC Accredited, Affiliated to Bangalore University

Jindal Nagar, Tumur road, Bangalore-73.

Computer Science Department

VISION

“To Develop IT Professionals with Ethical Values”

MISSION

- ❖ To enrich knowledge and educate students in Science and IT areas so that students will be capable enough to reach their goal and be pride to our institution.
- ❖ To Excel in Information Technology profession and in higher studies.
- ❖ To assist and guide students in meeting their career objectives in Information Technology fields.

Acknowledgement

We would like to express our sincere gratitude to everyone who has contributed to this magazine and helped us in bringing it out.

We are grateful to our chairman Shri.Dheeraj Singh for his help and valuable guidance.We thank our Principal Dr.C Sevithaya C for her help. We also thank our faculty members and beloved students for their generous support.

PRINCIPAL'S MESSAGE

Tech Minds, I Understand, is a student- run technical magazine being brought out by the computer science department for the past two years. It has succeeded to provide a platform for the students to fine-tune their presentation skills and to look beyond their curriculum.

While disseminating the nuances of the rapidly expanding science and technology domain, 'Tech Minds' may also motivate the students to air their fresh ideas which would draw sustenance and growth through the comments and critiques of the readers. A section to publish reader's reactions may perhaps be a worthwhile addition in the magazine.

I Congratulate the staff and students of the computer science department and particularly, the editorial group for their pain staking efforts in publishing 'Tech Minds' and hope to see the magazine scaling greater height and readership.

Dr. C. Sevithaya
Principal

Message from the Editor's Desk

I feel very elated and at the same time privileged to share a few words as you go through the pages of the magazine "Tech minds". Computer science department endeavors to help students to seek the best from the surroundings. The knowledge thus gained becomes a ladder for them to soar into greater heights. It's often the collective effort that leads to the discovery and fulfillment of aspirations.

I feel proud to be a part of tech minds an instrument in molding the children. We, computer science department try to shape every sphere of a child's personality. I take this opportunity to express my sincere thanks to all the members of the faculty and auxiliary staff for their sincere contribution in making this an excel, I salute the hard work and dedication of the editorial board and other persons behind the scene

Latha H R

Message From Student Editors



1st Row : Hafsa L, Priyanka T G, Manasa M, Mone Jyothirmai, Mamatha E.
2nd Row: Asha, Anushree, Gagana, Amreen N, Lalitha S

College magazine is basically a platform for the students to express their creativity and showcase the literary skills. When we were given the charge as the student editors we felt comfortable and confident especially because of the wholehearted collaboration of the members of the editorial board. The suggestions from the editorial board about the content ,theme and design became the foundation of Tech Minds. We can state proudly on the behalf of the editorial board that we tried our best to present before you a department magazine, the fruit of our hard work and collaboration.

Events

On 6th and 7th January 2017 'Faculty Development Programme' was organized in association with Academy of Creative Teaching.

On 17th January 2017 Mr.Karthik S Kateel, General Secretary, Jeet Kune Do Association trained our students on Self Defense Techniques through his programme "Swaraksha For Women"

Value Added Course

3 value Added Courses was conducted for BCA Students on VB .net, "Internet of Things Using . Net", and "ASP.NET".

Inter Collegiate Fest

Department organized inter-collegiate fest "Technophilia" in september 2016. Group Dance, Mehendi, Nail Art, Hair Style, IT Quiz competitions were conducted as part of the fest. Eight surrounding collegers have participated in different events.

Placements

On 5/1/2017 BCA Final year students attended pool campus drive of "First Indian Corporation" organized by Vasavi College.

On 24/1/2017 Final year BCA Students attended pool campus drive of "Concentrix company" organized by Vasavi College.

Meghana V of BCA got placed in Concentrix Company

Paper Presentations:

Chaitanya Jyothi, Chaithra H.P, Lavanya P J, Meenakshi J, Suma and Chaithra N presented research papers in International Conference organized by St.Claret Degree College.

Hafsa L and Bhavya Bakeeru of I Year BCA presented research paper on "Helio Display" in International Conference organized by St.Claret Degree College.

Sampreetha,Soundarya T,Divya M,Sumathi Bist,Kavya R,Soundarya D, Ramya A S,Hamsa T G,Meghana K R and Divya Rajan of II Year BCA presented research papers in International Conference organized by St.Claret Degree College.

NCC

- Anushree G of II Year BCA participated in ten days trekking camp organized by 2 Kar Girls BN NCC.
- Anushree G of II Year BCA participated in Adventurous camp held at Kyathsandra and participated in Zipline, Rock Climbing and Rappelling activities.

Culturals

- II Year BCA students won First Place in "KAMSALE" competition organized by Kannada and Sanskriti Department held at "Kalagrama".
- II Year BCA students won Second Place in "Group Song" competition organized by Kannada and Sanskriti Department held at "Kalagrama".
- On 8th February 2017 30 Students took part in 'College Rangochsava' which was organized by Rangayana, Shimogga and Kannada & Sanskriti.
- Department of Karnataka Students took part in various Competitions such as folk dance, song, drama etc. Folk Dance won II Place and were selected for Divisional Level Competition.
- On 23rd February 15 Students took part in the Divisional Level Competition of 'College Rangochsava' organized by Rangayana, Shimogga and Kannada & Sanskriti Department of Karnataka which was held at Shimogga.
- Hafsa L and Sweksha Chaubey of I year BCA won Third Place in Mehendi Competition held at MLA College intercollegiate fest Sourabha-2017.
- Ramya A S and Kavya R of II Year BCA won III place in Kannada Debate Competition held at MLA College intercollegiate fest Sourabha-2017.
- Roja, Yashaswini, Divya and Sumathi Bist of II Year BCA participated in Jewellery Making and Best out of waste competition held at MLA College intercollegiate fest Sourabha-2017.
- II Year BCA students participated in Fashion Show and Business Plan competition held at Soundarya College intercollegiate fest COMBIZIT-2017.
- Divya M and Priyanka T G of II year BCA have participated in Project Presentation Competition at St. Claret Degree College.

Sports



BCA students won the overall championship for all sports activities of the year 2016-17.

Nisarga R of I Year BCA won the overall sports championship award for the year 2016-17.

BCA students won Kabbaddi, Kho-Kho and Ball Badminton intra college events.

Priyanka T G of II Year BCA attended football selection held in Bangalore University Grounds.

Farewell Day 2017

Farewell day was organized to cherish memories of college days.

INSTAGRAM

Q: I have two instagram accounts. Is there a way to use both on my phone at the same time without constantly entering the name and password?
If you are running version 7.15 or later of the instagram app for Android or iOS, you can add up to 5 accounts within the program. you can then switch around among them without having to repeatedly log in and out of each account.

To add multiple accounts, open the app and log into one of your Instagram identities. once you have logged in, tap the icon on the far-right side at the bottom of the screen to go to your profile page. If you are using the Android version of the app tap the options button in the top right corner of the screen. If you are using Instagram on an IOS device, tap the gear-shaper icon in the top right corner.

On the option screen scroll down the following screen presents you with the Instagram login box , where you can enter the username and password for the account you want to add. once you supply the information the account logs you into the second account.

To switch around between the accounts you have added go to your profile page. a small Black Arrow(signifying more than one account is available) should be visible next to the name at the top of the profile page. Tap the current account name and choose the alternate profile you would now like to use. The dropdown menu sports an add account button if you would like to configure another account in the app right there

FREWRITE TYPEWRITER

Why do you need a computer or tablet if all you need to do is type? That's why this product exists the Free Write wants to help you focus on The task of writing rather than getting distracted by the web, videos, messaging, calling and photography. To better assist you in this task, it Features old-school cherry keys (the ones with the solid, click action) And an e-ink display that only shows text. A single charge should keep you going for about 4 weeks of use and the internal storage can hold a million pages at a time. When you need to get that written text off the device, you can use Wi-Fi to sync your notes with Google Drive, Drop box, Ever note or whatever other cloud service you see. Each one costs US\$499.

AMREEN.N
IV Sem BCA

ORAL-B GENIUS TOOTHBRUSH

This may look like an ordinary electric toothbrush but the genius has pressure/gyro sensors, a rechargeable battery and built in Bluetooth. The idea is that you can get the companion app for IOS or Android and then keep the phone in front of you while you brush (the company will provide a handy phone mount for your bathroom mirror). The brush will tell you how to brush better, not to apply too much pressure and it will also Teel you which section of the mouth you need to pay more attention too. It should go on sale in July this year for an undisclosed price.

AMREEN.N
IV Sem BCA

YOUR BLOOD CAN PREDICT 10YEAR RISK FOR HEART DISESSE: STUDY

Scientists have developed a new way to calculate a person's 10-year risk for heart disease by analyzing their blood, a method which has greater precision than identifying traditional risk factors alone.

When someone visits their general practitioner, they can get their blood analyzed for cholesterol and triglycerides, to get an idea of their risk for cardiovascular disease.

With additional information about Body Mass Index (BMI), smoking habits and blood pressure, this can be used to calculate their 10-year risk for cardiovascular disease, according to researchers from Norwegian University of Science and Technology (NTNU).

There are several risk prediction calculators available today. However, the use of risk prediction calculators has declined in the primary care setting because the currently available calculators only explain a modest proportion of the incidence, researches said.

“Our study showed that by measuring a combination of five different micro RNAs and adding this information to the traditional risk factors for cardiovascular disease, we could identify those that were going to experience a myocardial infarction with considerably improved precision,” said Anja Bye from NTNU.

There have been several attempts during the last years to improve the risk prediction calculators by adding new biomarkers. Some calculators add information of an inflammation marker in blood called CRP(C-reactive protein) or a diabetic marker called HbA1c (glycosylated Hemoglobin), researches said. This increases the accuracy of the calculators but still there is a need for new cardiovascular bio markers that could complement the assessment of traditional risk factors, to identify the individuals at risk with greater precision than today, they said.

It was based on this that researches designed this study to explore the possibility of a new type of bio marker called circulating micro RNAs, to predict 10-year risk for myocardial infarction.

PHP: Hypertext Pre-processor

PHP is a server side scripting language designed for web development but also used as a general purpose programming language. Originally created by Rasmus Lerdorf in 1994, the PHP reference implementation is now produced by the PHP. It is an open source scripting language.

Advantages of PHP

- 1) It is cross-platform
- 2) It is ease of use
- 3) It is very speed
- 4) It is stable

Disadvantages of PHP

- 1) Poor security
- 2) Not suitable for large application
- 3) Weak type

Basic PHP syntax

A PHP script can be placed anywhere in the document.

Syntax: `<? Php`
`//PHP code goes here`
`?>`

Soundarya.D
VI Sem BCA

BIG DATA

Big data is a term for data sets that are so large or complex that traditional data processing applications are inadequate.

This article is about large collection of data challenges include analysis, capture, transfer, visualization, querying, updating and information privacy. The term often refers simply to the use of predictive analytics or certain other advanced data analytics methods that extract value from data, and seldom to a particular size of data set. Accuracy in big data may lead to more confident decision making, and better decision can result in greater operational efficiency, cost reduction and reduced risk.

Analysis of data sets can find new correlations to "spot business trends. Prevent diseases, combat crime and so on. Scientists, business executives, practitioners of medicine, advertising and governments like regularly meet difficulties with large data sets in areas including internet search, finance and business informatics.

Data sets are growing rapidly in part because they are increasingly gathered by cheap and numerous information-sensing mobile devices, aerial (remote sensing), software logs, cameras, microphones, radio frequency identification readers and wireless sensor networks.

NOORJAHAN.R.
IV Sem BCA.

Software Defined Networking.

SDN is short for software Defined Networking SDN Is an approach to using open protocols, such as open? Flow to apply globally aware software control at the Edges of the network to access network switch and Routers that typically would use closed and propriety Firmware.

Benefits:

SDN offers numerous system benefits including On demand provisioning automated load balancing stream Lined physical infrastructure and the ability to scale Network resources in lock step with application and Data needs. As noted on enterprises networking Planet coupled with ongoing virtualization of servers And storage SDN is number less than the complete virtualize data center Where end to end complete environments will be deployed And decommissioned on whim.

Chaithra S.N

FACEBOOK STARTS A JOURNALISM PROJECT

It has also expressed interest in working with publishers to build products for local news and in promoting small, independent news media, says Mike Isaac.

Facebook increasingly owning up to its role as one of the world's largest distributors of information by taking more responsibility for the millions of stories that flow through its site.

On Wednesday, the social network made its latest move to acknowledge that role by announcing the Facebook Journalism Project.

The effort calls for the company to forge deeper ties with publishers by collaborating on publishing tools and features before they are released. Facebook will also develop training programmes and tools for journalists to teach them how to better search its site to report on news and events.

And Facebook wants to help train members of the public to find news sources they trust, while fighting the spread of fake news across its site.

The project will begin in coming weeks in partnership with publishers including The Washington Post and Vex.

The effort is Facebook's most explicit acknowledgement that it has some responsibility for the consumption and mass distribution of media.

The company's chief executive, Mark Zuckerberg, has previously said he considers Facebook a technology entity, but the social network has faced more questions over the past 18 months about how what it shows on its site affects its roughly 1.8 billion members.

Facebook has sometimes treated publishers cavalierly. In the past, the company would send business development employees to news

Last month, Facebook announced partnerships with outside groups to help fact-check stories on its site and to more clearly denote which ones may be false. At the time, Zuckerberg said that while he thought of Facebook as a tech company, "I recognize we have a greater responsibility than just building technology that information flows through."

In an interview about the Facebook Journalism Project, Fidji Simon, a director of product at the company, said: "We've heard loud and clear over the last year that there are questions about our role in this ecosystem. It has added an extra motivation for us to be involved even earlier on."

The new initiative is something of a peace offering from Face book to publishers who share news content on the network.

Publishers have long considered Face book a kind of frenemy - increasing relying on the social network to spread their stories but often wary of depending too much on one medium to reach an audience. Face book also regularly changes its algorithms, which can make or break a publisher's traffic and revenue. Because of such changes, sites like Elite Daily and unworthy have experienced wide swings in traffic.

Face book is also partly responsible for an upheaval in the advertising industry, with online ad dollars now being spent on the social network and Google instead of directly with publishers. Google and Face book account for nearly all the growth in the US digital advertising market in the first half of 2016, according to estimates from the Interactive Advertising Bureau and company earnings reports.

Organizations to brief them on coming products and to solicit partnerships

That was the case with the company's Instant Articles product, which loads publisher's mobile content inside Face book more quickly than on a traditional mobile browser. Publishers complained that Face book approached them late in the development process and expected them to conform to its technical requirements.

"There would be times when Face book would come to us with a new product or function, but by the time we were invited to participate, product development was already kind of a done deal," said Salish Prakash, the Chief intelligence officer and vice-president for digital product development for The Washington Post. "You had to fix your content and design into their parameters."

"Now we're finally coming to a more formal positioning of a model where we can begin. Other components of the project may help repair Face book's status as a place to discover news, after it attracted criticism over the amount of fake stories appearing on the site. Face book said it hoped to train audiences with "news literacy" programmes to better spot false news, as well as by producing public service announcements about how to determine which news sources to trust. Face book may dole out financial assistance grants for such projects. Working together much earlier in the process," Prakash said.

Facebook and Prakash said that earlier collaboration could improve relationships and perhaps help overcome some of the challenges that publishers face, such as how to increase subscriptions or newsletter sign-ups from inside Facebook.

The company has also expressed interest in working with publishers to build products for local news and in promoting small, independent news media.

Facebook also plans to make Crowd-Tangle, an analysis tool it acquired in November, free to use. Crowd-Tangle is popular with publishers and journalists searching for Facebook data.

It cautioned that its journalism project was in the early stages and would evolve as the needs of publishers, readers and journalists changed. But the company said it would not shy from questions about its role in news media.

“As an industry, we have a lot to learn collaboratively,” said Simon, the Facebook director of product. “What you're seeing is an increased commitment to that.”

ROOPA.C
IV Sem BCA

Google “Smart glass”

Computer technology has moved to glasses, and multiple companies are making plans for this emerging mobile peripheral wireless market. The first smart glasses are projected to be available in the summer to fall of 2012 with other companies. Adjustable for outdoor use on the glass lens so that the images appear as if they were in the exterior world.

They will also have internet connectivity and multiple new applications. Some of the displayed images will have a holographic quality to them, depending upon the smart glass manufacturer, making the image appear as if it were real and in front of the smart glasses.

There were just two problems with glass. The first is that it made you look like a dork. Although Google teamed up with the company that made Ray-Bans, among other things the second problem was the killer one: glass made everyone around you feel uneasy.

Surprisingly readable from on the tiny screen.

CHANDANA. A.M
I BCA

How AI is affecting jobs...?

When it comes to the impact of Artificial Intelligence (AI) and Automation, there is no debate that advances in these areas will engender profound changes in our world. Rather, the debate centers on what these changes might look like.

There are many who express concern or even outright fear about the impact of artificial intelligence on our future, and with good reason. A recent report from Forrester predicts that by 2021, intelligent agents and related robots will have eliminated a net 6% of jobs. That's a huge number: approximately 9 million jobs in the United States.

And that's just by 2021. A widely noted study, "The Future of Employment: How susceptible are jobs to computerization?", estimates that 47% of all U.S. jobs are at risk.

"Stop being a Luddite"

The Luddites were textiles workers who protested automation, eventually attacking and burning factories because, "they feared that unskilled machine operators were robbing them of their livelihood". The Luddite movement occurred all the way back in 1811, so concerns about job losses or job displacements due to automation are far from new.

When fear or concern is raised about the potential impact of artificial intelligence and automation on our workforce, a common response is thus to point to the past; the same concerns are raised time and again and prove unfounded.

In 1961, President Kennedy said, "the major challenge of the sixties is to maintain full employment at a time when automation is replacing men." In the 1980s, the advent of personal computers spurred "computer phobia" with many fearing they'd be replaced by computers.

the Luddites

Frame Breaking — The Luddites

So what happened?

Despite these fears and concerns, every technological shift has ended up creating more jobs than were destroyed. When particular tasks are automated becoming cheaper and faster, you need more human workers to do the other tasks in the process that haven't been automated.

“During the Industrial Revolution more and more tasks in the weaving process were automated, prompting workers to focus on the things machines could not do, such as operating a machine, and then tending multiple machines to keep them running smoothly. This caused output to grow explosively. In America during the 19th century the amount of coarse cloth a single weaver could produce in an hour increased by a factor of 50, and the amount of labour required per yard of cloth fell by 98%. This made cloth cheaper and increased demand for it, which in turn created more jobs for weavers: their numbers quadrupled between 1830 and 1900. In other words, technology gradually changed the nature of the weaver's job, and the skills required to do it, rather than replacing it altogether.” — *The Economist*, Automation and Anxiety

Impact of Artificial Intelligence – A Bright Future?

Looking back on history, it seems reasonable to conclude that fears and concerns regarding AI and automation are understandable but ultimately unwarranted. Technological change may eliminate certain jobs, but it has always created more in the process.

Beyond net job creation, there are other reasons to be optimistic about the impact of AI and automation.

“Simply put, jobs that robots can replace are not good jobs in the first place. As humans, we climb up the rungs of drudgery — physically tasking or mind-numbing jobs — to jobs that use what got us to the top of the food chain, our brains.” — *The Wall Street Journal*, The Robots Are Coming.

Welcome Them needed most. By applying AI analysis to data from satellite images, this barriers can be surmounted, focusing help in the most effectively. By eliminating the tedium, AI and automation can free us to pursue careers that give us a greater sense of meaning and well-being.

Careers that challenge us, instill a sense of progress, give us autonomy, and make us feel like we belong; all research-backed attributes of a satisfying job

And at a higher level, AI and automation will also help to eliminate disease and world poverty. Already, AI is driving great advances in medicine and healthcare with better disease prevention, higher accuracy diagnosis, and more Effective treatment and cures. When it comes to eliminating world poverty, one of the biggest barriers is identifying where hell

INTERNET OF THINGS

The IOT is the network of physical devices, vehicles, buildings and other items embedded with electronics, software, sensors, actuators and network connectivity to enable these objects to collect and exchange data

In 2013 the GLOBAL STANDARDS INITIATIVE ON INTERNET OF THINGS

Technologies for the IOT

There are many technologies that enable IOT. A key foundation piece is the network used to communicate between nodes of an IOT installation. A role that several wireless and wired technologies may implement are :-

BLUETOOTH LOW ENERGY: This is one of the latest technology. All newly releasing smartphones have BLE hardware in them. Tags based on BLE can signal their presence at a power budget that enables them to operate for up to 1 year on a lithium coin cell battery.

2-WAVE: Is a communication protocol that is mostly used in a smart home applications. It uses a radio protocol in the 900 MHZ-band.

WIFI-DIRECT; It is essentially wi-fi for peer to peer communication without needing to have an access point. This feature attracts IOT application to be built on top of WIFI-DIRECT to get benefit from the speed of wi-fi.

HOME PLUG: This networking standard can be used to IOT communication over a home or buildings power lines.

ETHERNET: This general purpose networking standard can be used to enable IOT communication over twisted pair or fibre network links

SHASHIKALA.G

EDUCATION EXPANSION

- E = Enthusiasm
- D = Dedication
- U = Uniformation
- C = Concentration
- A = Aim
- T = Talent
- I = Interest
- O = Outstanding
- N = Nobility

JAYASHREE.M.B
IV Sem BCA

FEATURES IN MARSHMALLOW (ANDROID6.0)

***APP SEARCH BAR AND FAVOURITES**

In order to help those who think the new app menu is worse , and there will be soon, there are some extra features to app area .First there is a search bar up at the top. This is a text bar you just type words into and android marshmallow searches your app collection for any apps with that name. There is also an option to use the search term to look for other apps in Google play

***THE CLOCK AS GONE ALL STYLISH**

It's a little more than a font shuffle ,but does give the new software a bit of a different, sharper visual personality.

The date text is now written in all caps, and

The font of the time characters seems to be a bit thicker, as if Google hit the 'bold' button.

***YOU CAN ADD A LOCK SCREEN MESSAGE**

In this you can add a little line to text to your lock screen. Maybe you will want to add a little tag to your 'jim's VHS and DVD rental' small business or a way to tell you and your other half's his 'n' here nexus 6s apart.

***BATTERY OPTIMISATION NOW ON A BY APP BASIS**

Android marshmallow adds a whole new battery area called 'optimization' . \Google has not laid out too clearly exactly what optimization does, but you can be part of it about regulating access to mobile data and how freely they can perform background processes

***THE VOLUME CONTROLS HAVE CHANGED YET AGAIN**

One part of android lollipop tat everyone got quite angry about originally was the volume control the silent mode was ditched completely

***FINGER PRINT SCANNERS SUPPORT AS STANDARD**

Finger scanners have been found in android phones for years now. It's only with android supports the hardware natively. Before now, software for these scanners had to be jammed in by the manufacturer.

WEB BROWSER

A Web browser is a software application for retrieving, presenting and traversing information resources on the world wide web. An information resource is identified by a uniform resource identifier that may be a web page, image, video or other piece of content.

Hyperlinks present in resources enable users easily to navigate their browser to related resources. Although browsers are primarily intended to use the world wide web, they can also be used to access information provided by servers.

FEW BROWSERS ARE:

Chrome, Mozilla, Firefox, Safari, Opera, Internet Explorer, Netscape Browser, Mosaic, Maxthon, Rockmelt.

MONE JYOTHIRMAI
IV Sem BCA

SURGE PROTECTIVE DEVICE

Surge Protective Device (SPD's) offer an advanced power quality monitoring system with remote accessibility via Modbus and Ethernet. The monitoring feature helps the user identify and quantify critical power quality issues at a fraction of the cost of standalone power quality monitoring system.

The optimum line of current Technology SPD's provide true single and repetitive surge test data that fully comply with engineering specifications, in control to calculated values for single and repetitive surge data that competitor SPD's provide.

Additional Features:

- Underwriters Laboratories (UL) listed: Type 1 SPD's to UL 1449 4th edition
- Smaller footprint: Occupies less space and reduces shipping costs.

Gagana S.R
III BCA

1
1
12
13
14

Laugh for a while

1. Which is the funniest Car?
A: Cartoon.
2. How do you make Ice-Cream?
A: Put ice in the bowl and scream.
3. Why did the monster eat the lamp?
A: Bcoz it wanted a light lunch.
4. Why do cows have hells?
A: Bcoz their horns don't work.
5. What often falls but never gets hurt?
A: Rain.
6. Bay of Bengal is in which state?
A: Liquid state.
7. What can fly that has no wings?
A: Time.
8. Which is the hardest key to turn?
A: Donkey.

Kavya.R
IV Sem BCA

Did you know this?

INVENTORS

- 1) Walter Hunt :
- 2) Richard Drew :
- 3) Charles Goodyear :
- 4) Charles Kettering :
- 5) George Crum :
- 6) Idans Lippershey :
- 7) John Walker :
- 8) Richard James :
- 9) Percy Le Baron Spencer :
- 10) Idarry cover :
- 11) Wilson Greatbatch :
- 12) Roy Plunkett :
- 13) Patsy Sherman :
- 14) Blaise Pascal :

INVENTIONS

- Safety pin
- Scotch tape
- Vulcanized rubber
- Antiknock gasoline
- Potato Chips
- Jelescope
- Friction Matches
- Slinky toy
- Microwave oven
- Krazy Glue
- Pacemaker
- Teflon
- Scotch gard
- Roulette

RESTAURANT MANAGEMENT SYSTEM

INTRODUCTION:

Resturant management system has been proposed to be implemented to explain the manual system.the main aim of this project is computation of a processes which happens in the restaurant.It is a database system for creating a selective retrieved of information for subsequent analysis manipulation and application.

MODULE:

- 1.Login details
- 2.Restaurant details
- 3.Employee details
- 4.Customer details
- 5.Food details
- 6.RFID card details
- 7.Card transaction details

SYSTEM REQUIREMENT SPECIFICATION:

HARDWARE REQUIREMENT:

Processer=Pentium 4 14,1G 2

RAM=1GB

Hard disc=40 GB

Preiphuial device

RFID card readers

LCD display

FFID tag

EXISTING SYSTEM:

Previously organisation was doing all the working manually. common and obvious application and business application.

But at present computers are becoming part of every activity in organisation. The more So with the time the system must also fit into a competitive environment and must be very easy to use.Above all the main goal of computer based information system in to speed up the processing. And that is the reason why the new system was proposed.

FUTURE ENCHANCEMENT:

We can give main advance software for restaurant management system including many facilities. We will host the platforms on online server to make it accessible worldwide.

This system is very flexible so that the maintainance and further amendments based on the changing environment on a requirements can be made easily.

CONCLUSION:

The project entitled 'RESTAURANT MANAGEMENT SYSTEM' has been proposed to be implementing to replace the manual system.

The developed system accompises all the objectives stated for the need for the change of the system.

The outputs produced seem to satisfy all the users but it will definitely take to look forwarded for the real consequences the new system could produce. The project was made user friendly by the use of visual enabling the user to interact easily with the database. It is also enabled the platform to serve the needs of emerging information technology trends and needs.

NAME

1.NIKITHA S.V.

2.SARASWATHI N.P.

Google Net Balloons are Coming Soon

Google's ambitious project to deliver internet to remote parts of the world using high flying balloons has survived a brutal development phase and will enter the testing mode later this year. With "Project Loon", google struggled to find the right balloon design that could be both inexpensive and durable not only to float but navigate to predictably travel through the stratosphere, Re/Code re-ported. "We busted a lot of balloons", Astro Tell-er, head of Alphabet's X unit was quoted as saying-IANS.

ARCHANA.K

IV Sem BCA

INDIA IS WORLD'S 4TH LARGEST APP ECONOMY

Time spent on apps more than doubles in past 2yrs on retail, it's up 11.5 times. India is rapidly moving into the mobile app age and is already the fourth largest mobile app economy. The amount of time Indians spend on apps has also increased dramatically, says mobile-app analytics company App Annie. In total app downloads per year, only China, US, and Brazil are ahead of India. The annual figure for India is projected to grow by 92% to reach 7.7 billion downloads this year, and further to 20.1 billion by 2020. China's app download, however, is expected to grow at a much slower 29% this year, but the absolute figure will be more than 6 times that of India's at 49 billion.

“With the introduction of affordable smartphones and better infrastructure supporting mobile, and given India's population, the growth here is expected to be significant,” Junde Yu, managing director of App Annie APAC, said. He said the most important thing that is now driving the app economy here is not the number of downloads or the revenue but just the amount of time spent by users on the mobile app.

The amount of time Indians spent on apps in the first quarter of 2016 more than doubled compared to that in the first quarter of 2014. In retail apps, the time spent grew by 11.5 times during the same period, driven by e-commerce majors like Flipkart, Myntra, Amazon, and Snapdeal. The time spent on video streaming apps grew by 7.4 times, with Google's YouTube and Hotstar leading the way.

Speaking to TOI, Yu said, “People have this perception in India that users spend more time on browsers. That is not true. Our data shows that the percentage of time spent on apps in India is the same as around the world, at 93% (the remaining 7% comes from mobile browsers)”

App Annie finds that over 25% of Android users in India use at least one ride-sharing app (those like Ola and Uber). This figure was the highest among all countries – in the US, UK, and Brazil, it is below 20% “This was a little surprising. But I think India is a developing country so the users are finding the need to use these transport services more,” Yu said.

Among ride-sharing apps, Ola is the most used and downloaded app, followed by Uber. In retail, e-tailing firms, who tend to have a mobile-first approach, led the way, quite a contrast to mature markets where brick-and-mortar and web first players still have a big share. "Close to 75% of the top 10 mobile retail apps in India in both iOS and Google Play store have a mobile first approach. In the US and UK, this number is only 10%," Yu said.

Homegrown e-commerce biggie Flipkart was ahead of Jeff Bezos-led Amazon in India in terms of monthly active Android users in Q1 of 2016. However, in terms of app downloads in both Google and iOS app store, Amazon took the top slot for the same period.

"Amazon can get ahead of Flipkart. Even in Japan, it is giving competition to homegrown player Rakuten," Yu said.

The Asia –pacific region is the biggest in the global app economy, accounting for 50% of total global app downloads.

LALITHA.S
IV Sem BCA

COMPUTER TECHNOLOGY

1-apple Talk:

Apple Talk is a network operating system Designed to connect Apple computers. its components are built on Macintosh operating systems. There are two main Versions of appletalk depending on how many years in the past the network was implemented

Phase 1 and Phase 2.

phase 2 Is the current installationas of about 2002. Apple talk/local Talk networks make use of CSMA/CA a media access control method.

STPCabling usually used. But it is possible to use UTP or Fiber Optic cabling depending on cost and performance issues. The network topology is bus or tree. Local Talk network is limited to32 nodes. Local Talk is the data link layer a protocol originally used for macintoshes. Macintosh Computers using local Talk are linked together using their printer ports. Appleshare is used as the file and print sharing protocol on the appleTalk networks.

2-Tera data.

Tera data is a relational database management system (RDBMS) that drive a company's data warehouse. Teradata provides the foundationn to give a company the power to grow,to compete in today, dynamic marketplace, to achieve the goal of "Transforming transaction into Relationships"

Teradata is a ROMs initially Created by the firm with the same name, founded in 1979.

Teradata is a part of the NCR Corporation whichacquired the Teradata Company on February 28, 1991it is a massively parallel processing system runninga shared nothing architechure. The main pointwith the Teradata DBMS is that it's linerly and predictably scalable in all the dimensions of a database system workload (data volume,breadth,number of users, cemplicity of queries), explaining

Its popularity for enterprise data warehousing applications. Teradata is offered on Intel servers Interconnected by the BYNET messaging fabrick. Teradata systems are offered with either engenio or EMC disk arrays for database storage.

KAVYA.S.G
6th sem BCA

OPEN SOURCE TECHNOLOGY

Open source software is computer software with its source code made available with a license in which the copywrite holder provides the rights to study, change and distribute the software to anyone and for any purpose. Open source software may be developed in a collaborative public manner.

In production and development open source is a philosophy or methodology that promotes free redistribution and access to a product design or ideas of implementation details

Open source software is based on the idea that the user cannot only view but also can change the source code of the existing application.

Closed source software is hidden to prevent the user either viewing or changing the code

ADVANTAGES:

1. Does not depend on vendor
2. Quality and customizability in open source is better
3. Costs much less than proprietary counterparts

DISADVANTAGES:

1. No financial incentive
2. Bad codes and some unqualified people who uses it
3. Software quality assurance process is widely not transparent

SUMA
IV Sem BCA

GENERATION OF MICROPROCESSOR

GENERATION I:

This was the period during 1971 to 1973 of microprocessor's History. In 1971 INTEL created the first microprocessor 4004 that would run at a clock speed of 108kHz during this period, the other microprocessors in the market including other Rockwell International PPS-4, Intel-8008 and national semiconductors IMP-16 were in use. But all these were not TTL Compatible processors.

GENERATION II:

This was the period during 1973-1978 in which very efficient 8 bit microprocessors were implemented like Motorola 6800 and 6801, INTEL-8085 and Zilog's-z80, which were among the most popular ones. Owing to their super fast speed, they were costly as they were being technology fabrication.

GENERATION III:

During this period 16 bit processors were created and designed using HMOS technology. From 1979-1980, INTEL 8086/80186/80286 and Motorola 68000 and 68010 were developed speeds of those microprocessors were 4 times better than the second generation processors.

GENERATION IV:

From 1981-1995 this generation developed 32 bit microprocessors by using HCMOS fabrications INTEL-80386 and Motorola's 68020/68030 were the popular processors.

GENERATION V:

From 1995 to till now this generation has been bringing out high-performance and high-speed processors that make use of 64 bit processors such processors include Pentium, Celeron, dual and Quad core processors thus, microprocessors has evolved through all these generations and the fifth generation microprocessors represent advancement in specification. Therefore some of the processors from the fifth generation of processors with their specifications are briefly explained.

WEB DEVELOPING LANGUAGES AND THEIR SPECIALITY

Top 10 Web Developing Languages:

1. Java
2. C
3. C++
4. Python
5. C#
6. R
7. PHP
8. Java Script
9. Ruby
10. Mat lab

Speciality of languages:

1. Java:-

Java is easy to learn, java is object oriented, java is platform independent, java is distributed, java is secure, java is robust and java is multithreaded.

2. C:-

Although numerous computes languages are used for writing computer applications, the computer programming language C, is the most popular language worldwide. Everything from microcontrollers to operating system in written in C. Since its very flexible and versatile, allowing maximum control with minimal commands.

3. C++:-

C++ is a highly portable language and is often the language of choice for multi-device, multi-platform app development. C++ is an object oriented programming language and includes classes, inheritance, polymorphism, data abstraction and encapsulation. C++ is a powerful, efficient and fast language.

4. Python:-

Python is a high-level, interpreted and general purpose dynamic programming language that focuses on code readability. They usually involves imperative and object oriented functional programming.

WHAT IS THE NEW VERSION OF ANDROID OPERATING SYSTEM AFTER MARSHMALLOW?

Android Nougat is the official name of Google's next android update, replacing the placeholder ANDRIOD N. Nougat is the latest dessert theme version of Android, due out later this summer. The release, initially announced in March and currently on its second beta, brings new features like an improved notification shade and split screen multitasking to the mobile OS, while also improving on features like doze that came with marshmallow last year. The release also has daydream, Google's new VR platform baked in, though it'll only be supported by daydream ready hands running the OS.

6 TECH SKILLS THAT WILL HELP YOU EARN MORE

- ◆ **DATA SCIENCE:**-The industry has been building up to this for several years, and it's never been more true that it is right now, BigData is king.
- ◆ **CLOUD AND DISTRIBUTED COMPUTING:**-On device software and storage may not be passé just yet, but it's getting there, as more and more computing processes are taking place in the cloud.
- ◆ **DATA VISUALIZATION:**-Data visualization goes hand in hand with analytics and other data skills because once data is collected and organized it needs to be presented in a way everyone can understand.
- ◆ **MOBILE DEVELOPMENT:**-The use of smart phones and tablets is only continuing to glow. Mobile development building mobile apps for IOS and Android will be in high demand for the foreseeable future as companies continue to explore implementing apps and mobile friendly websites that will allow customers and users to have access on the go.
- ◆ **USER INTERFACE DESIGN:**-User interface design is key for apps, programs and websites. When it comes to the part of a product that users see and interact with, the design should be intuitive, modern and attractive with the end goal of creating a pleasant and efficient user experience.
- ◆ **CYBER SECURITY:**-Without robust system in place to prevent security breaches that can lead to information theft, a company will ultimately lose the trust of its consumers. Because of this cyber security is one of those "Evergreen" skills that will always be needed.

Toppers



Ranjitha L



Soundarya T



Roja R



Roopa C



Hafsa L

Front Page Designer's



Asha & Gagana

Friendship Day Celebration



Cultural Events

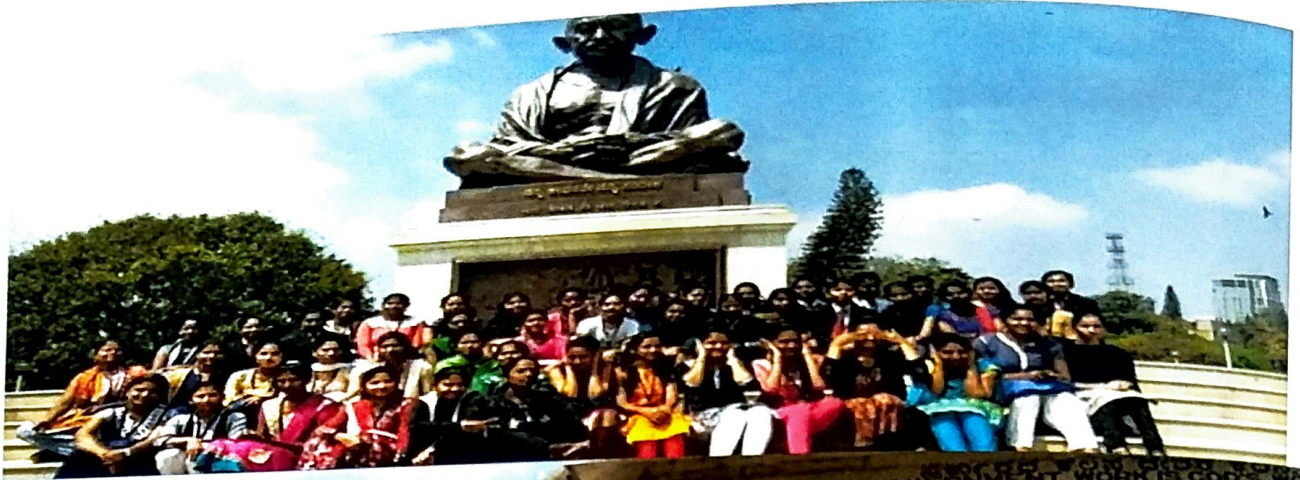




Technophilia



Social Events



Sports



Perfect Class



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2017 - 2018

