



INFOQUEST'16

FEBRUARY-2016, VOLUME-8, ISSUE-3

INFORMATION TECHNOLOGY



**DR.MAHALINGAM COLLEGE OF ENGINEERING AND
TECHNOLOGY**

UDUMALAI ROAD, POLLACHI-642 003, TAMILNADU, INDIA.

2012-2016 BATCH



IV B.TECH IT-A

GOOD TIMES

*AMAZING
MEMORIES*

*CRAZY
FRIENDS*

To become a Centre of Excellence in education and research in the field of Information Technology, to meet global challenges in computing industries.



- To impart world-class knowledge in the field of Information Technology.
- To promote industry-institute interactions to empower the faculty members and students.
- To support and facilitate research and development activities.
- To develop all round personality by inculcating the values and skills needed for students to upgrade themselves as IT professionals.



PROGRAMME EDUCATIONAL

OBJECTIVES



Graduates of this program will...

- Have high level of technical competency to identify problems and to generate innovative solutions, which would conform to the need of IT industry.
- Successfully adapt to changes in roles and responsibilities, through lifelong learning, for collaborating professionally with various stakeholders.
- Ethically apply their computing knowledge and skills considering societal, economic and environmental factors.



PROGRAMME OUTCOMES

1. Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization in the field of Information Technology.
2. Identify, formulate, analyse and solve complex problems in computing industries using principles of mathematics, natural sciences and engineering sciences.
3. Design a software solution for complex engineering problems and design system processes to meet specific needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusion.
5. Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. 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.
7. Understanding the impact of engineering solutions in social environment and exhibit the knowledge for sustainable expansion.
8. Realize and bind to professional ethics and the norms of engineering practices.
9. Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.
10. Communicate with engineers and society to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions related to IT Professionals.
11. Demonstrate and apply the knowledge of engineering and management principles to one's own work, as a team leader or a member to manage project in multidisciplinary environments.
12. Recognize the need for, and have the ability to engage in independent and life-long learning in the context of technological change.



My India

My Pride

Freedom in mind,
faith in words, pride
in our heart,
memories in our
souls, lets salute the
Nation



20
P.P

INDIA

भारत



Sathya.S

S. Sathya

3rd year 97-A

INTERACT FOR INFORMATION

The "Interact for Information" is intended to run in an intranet environment. This system can be handled by the customers and the employees who serve the customer. The main objective of the project is to analyze the customer needs depending on the query and work for the customer satisfaction. Only when the solutions are up to the customer's satisfaction it will contribute to the long term customer relationship

attract and retain customers for maximum corporate growth and profit. It's initiatives are designed with the goal of meeting customer expectations and needs in order to achieve maximum customer lifetime value and return to the enterprise. The use of Web based non voice query analyzer; this software solution will enhance the effective implementation in an organization.

In simpler terms, Web based non voice query analyser is the technique of establishing and maintaining long-term business relationships with your customers. It involves utilizing the data collected during customer interactions, to determine the demographics and future needs of each customer



This system is computerized, developed using front end tool and forms. All the information processing are done and displayed in the screen immediately. That helps the user to gather and understand information easily.

Web based non voice query analyzers can be defined as strategies, processes, people and technologies, used by companies to successfully



ASHWIN YEGAPPAN.R

3rd IT "A"

JOBBS

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AMACHU
PVT.LTD

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85



Cognizant
Technology
Solutions

1

2



VERNALIS



HP

1
ONE

2



Innoventes



ADAPTANT
INNOVATE. ITERATE.

2



Cosmic Technologies
A Unit of CMC Enterprises

2



mash
Shipping & Logistics

2



GEMINI
Innovation & Leadership

2



SUTHERLAND
GLOBAL SERVICES

7



servion

2

Find the missing numbers???



2	8
4	9
3	7
6	9
6	8
3	???

The day before yesterday I was 25. The next year I will be 28. This is true only one day in a year. What day is my Birthday?

SOLUTION:
 My birthday is on December 31. I am telling this on January 1.
ODD LETTER...
 L
 Except L all the other letters are formed with 3 Lines.

11	2	18
5	2	???
12	5	14

which letter is odd one ???

Z H
 A K
 N F L

3. GUESS THE NEXT NUMBER???

2 5 26 677 ?

ANSWERS:
 1.6
 2.4
 3.658330

V.NANDHINI
 (13BIT045)
 V.PRIYADHARSHINI
 (13BIT011)

Articles



Larry page and **Sergey Brin** founded Google in the year 1998 by Ph.D. Students of Stanford University. Its official slogan was "to organize the world's information and make it universally accessible and useful" and its unofficial slogan was "Don't be evil". Google moved its headquarters to California, in the year 2004 and it was named as Googleplex. It offers services including email(Gmail), a cloud storage service(Google Drive), an office suite(Google Docs) and a social networking service(Google+). Desktop services include applications for web browsing, organizing and editing photos, and messaging. The company leads in the development of Android mobile operating system and the browser-only Chrome OS for a class of net books known as Chrome books. Google has moved increasingly into communications hardware: it works with major electronics manufacturers in the production of its "HIGH-QUALITY LOW-COST". It processes more than one billion search requests and about 24 petabytes of user-generated data each day. Alexa listed google.com as the most visited website in the world in the year 2013. Numerous Google sites were in the top one hundred

THE SECRET TO GOOGLE SUCCESS

Google is an American multinational technology company specializing in Internet-related services and products. These include online advertising technologies, search, cloud computing, and software. Most of its profits are derived from AdWords, an online advertising service that places advertising near the list of search results



V.GAYATHIRI 3RD YEAR

GOOGLE SECRET

Google did not make money until it started auctioning ads that appear alongside the search results. Now Google gets market capitalization of over \$100 billion by Advertising. Now, research is showing that Google's auction methodology is most important for its success. Google maximizes the revenue it gets from that precious real estate by giving the good position to the advertiser who is likely to pay Google the most, based on the price per click multiplied by Google's estimate of the likelihood that someone will actually click on the ad.

Guiding principles of Google

1. Focus on the user and all else will follow.
2. It's best to do one thing really, really well.
3. Fast is better than slow.
4. Democracy on the web works.
5. You don't need to be at your desk to need an answer.



PAPER PRESENTATION

Artificial Intelligence

Bannari Amman Institute of Technology, Sathyamangalam
(15.10.1015)

Apache Hadoop

S.Archana(14BIT060)
N.Subashri(14BIT062)

Haripriya B
(13BIT047)
Divyabharathi
(13BIT069)

Blue Eye Technology

Sri Krishna College of Engineering & Technology, Coimbatore
(13.10.15)

Lifi Technology

Krishnaveni K
(14BIT093)
Madhumitha .K
(14BIT075)

S.Oviya
(14BIT051)
Sharmila K
(14BIT063)

Sixth Sense Technology

SNS College of Technology, Coimbatore
(01.10.15)

Pervasive Computing

M.Malathi
(13BIT067)
T.Shanthini
(13BIT023)

R.Monisha
(14BIT077)
P.Eswari
(14BIT057)

MyShake'



MyShake' App Turns Your Smartphone into Earthquake Detector

The "My Shake" application is developed to measure the quake activity. By tapping into the smart-phones accelerometer the common man can interpret the location and magnitude of the earthquake occurred at nearby location.

As smart-phones became more popular nowadays and also easier to write software, work into it had the potential to use the accelerometer that can run in every smart-phone to record earthquakes.

Accelerometers measure forces related to acceleration: vibration, tilt and movement, the static force of gravity's pull as well.

INNOVATIONS



M.SHANTHA LAKSHMI

14BIT025

2ND IT



INTER COLLEGE EVENTS

1ST
P
R
I
Z
E

Electronic Voting
using
Cryptographic
techniques

D.Illagiya
Vijayalakshmi
(13BIT051)

Eye
Phone

S.Sathya
(13BIT019)
A.Jeevaswarna
(13BIT029)

IT TECHNICAL
ASSOCIATION,
MCET(27.10.15)

3RD
P
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2ND
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T.Sahaana
(14BIT024)
K.Dharshini
(14BIT088)

Blue
Brain

3RD
P
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I
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E

A.Thanvir
Fathima
(14BIT018)
A.M.Abishya
(14BIT012)

Web OS



Article Writing

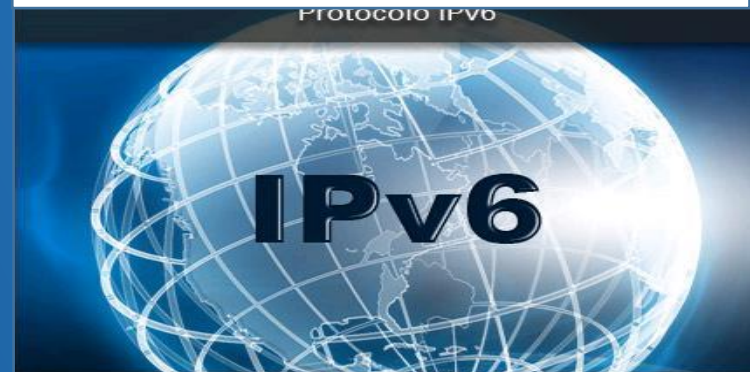
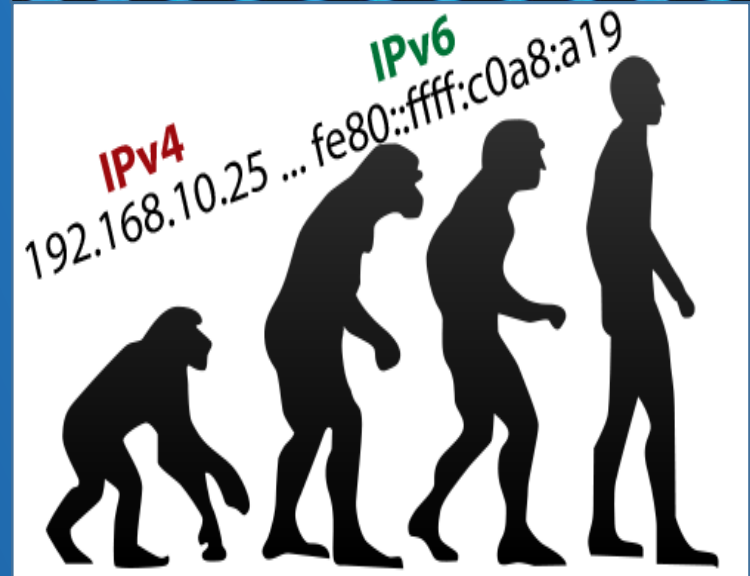
KICK START YOUR DAY WITH IPV6

Time has come where you can share your coffee space with IPv6. This is obviously the era of machine to machine communication. This would be an added diamond to the crown of Internet of Things. Nordic Semiconductor, has demonstrated this coffee machine recently. Coffee machine, being IP enabled, has its own address and thus can be accessed via the internet.

Efforts made by IETF (Internet Engineering Task Force) for making the Internet connectivity for smaller devices has resulted in 6LoWPAN(IPv6 over wireless personal Area Networks). Bluetooth smart or Bluetooth Low Energy is nothing but the trademark to Bluetooth version 4.0. It supports a greater range of communication than the classical Bluetooth, and is devoted for tiny devices those make baby steps into internet. The 6LoWPAN node(Coffee Machine) communicate using Bluetooth Low Energy to the 6LoWPAN router which provides a means to communicate over the internet. The Coffee machine is controlled in the remote by having a web based interface over cloud. Since even a minute change in the machine is recorded, this could produce huge volumes of data and thus Cloud would be the best option for this.

The coffee machine is connected to the nRF51 development kit to make it capable of such communication. Now the router is Raspberry Pi which receives the IPv6 packets from the machine via Bluetooth smart and controls the coffee machine. This Raspberry pi, in turn is controlled by a PC via the internet service. The Web application to control the coffee machine is controlled by the user. All the information of that machine is accessible to the user. Now, the coffee machine could predict exactly what kind of coffee you like, depending on the cup you are using, time of the day and multitude of other factors, thus providing better user experiences. If you want to taste the real essence of it, visit :

<http://teamarin.net/2015/03/03/ipv6-brewed-coffee-bluetooth-smart/>



**Gokula
Priya.B
Final IT**

Internships

**Gofrugal Pvt.
Ltd.**

1

NIIT Pvt.LTD

4

**SHLOK
PVT.LTD**

1

**Vernalis
Pvt. Ltd**

2

**Brightspot
PVT.LTD**

1

**Innoventes
Technologies
Pvt. Ltd**

2

**Benseron
Information
Technologies**

1

**Mash Pvt.
Ltd.**

6

**Infosys Pvt.
Ltd.**

22

**MEDIA 6
PVT.LTD**

2

**SRM TECH
PVT.LTD**

4

APPIN PVT.LTD

4

**T MAX IT
Solution
PVT.LTD**

4

**Agnasoft India
Pvt.Ltd**

1

**Ikosmic Pvt.
Ltd.**

2

**B-Works Pvt.
Ltd.**

4

Total No. of students Got Intern Offer-61

AS ON 23.02.2016

APPLE PAY

Apple pay is a mobile imbursement and digital wallet provision provided by apple to reduce and replace the usage of credit card, debit card etc. The payment can be done by using iPhone 6,6 plus and apple watch. When the payment is done, the service keeps the payment information private from retailer and creates a “dynamic security code for each transaction”. It adds that they will not track the usage between the customer, vendors, and banks. User can also halt the service on lost Phone via Find My iPhone service.

. The service that Apple devices wirelessly communicate with point of sale system using Near Field Communication (NFC) antenna which is a “dedicated chip that stores encrypted payment information” of the users with iPhone 5, 5S,5C,6 etc..



It can use the service through an Apple Watch though it lacks Touch ID security. Whereas Apple Pay is activated with a passcode and will remain active for as long the user wears the Apple Watch. This service was announced at Apple’s iPhone 6 event on September 9, 2014. The ios 8.1 software update is used to launch Apple pay on compatible device. It doesn’t require Apple pay-specific contactless terminals.



G. VARSHA

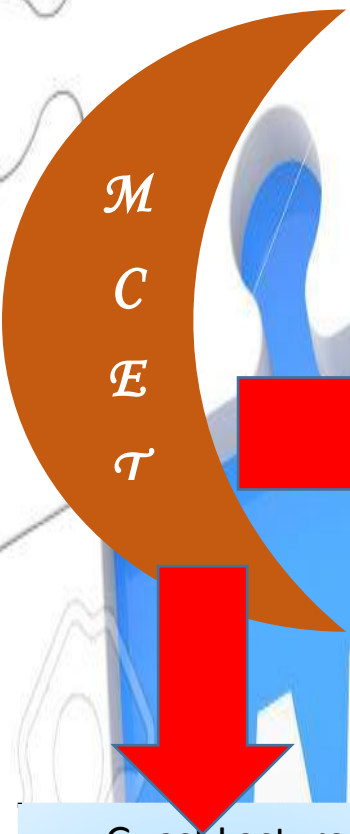
14BIT055

2ND IT

PARTICIPATION IN SEMINAR/CONFERENCE/WORKSHOP BY STAFFS



DR.S.RAMAKRISHNAN,
PROF. & HEAD
MR.K.BALASAMY, AP
MR.N.KRISHNARAJ, AP



National Digital
Literacy
Mission(NDLM)
Three weeks
training to school
Students
23.11.2015

- Mr.K.Kanagasabapathi, AP
- Ms.A.Logeswari
- Mr.P.Muthu @
Sethuramalingam, AP
- Ms.S.Devimeena, AP
- Mr.N.Praveen Sundra
Kumar, AP
- Ms.D.Janani, AP
- Mr.S.Sasidharan, AP
- Ms.A.G.Priyavarshini, AP

Guest Lecture on
"Internet of Things
(IoT)" by Mr. Kannan
Chandrasekaran,
Technology Manager,
Cognizant Global
Services, Bangalore.
28.10.15

Mr.E.Prabhakar, AP

Two Days
Workshop on
“Exploratory and
Statistical
Analysis using R

Thiyagarajar
College of
Engineering,
Madurai

Four days hands-on
workshop on
“Cloud Computing
Tools”

Ms.N.Premalatha,
AP

Student Talent Enhancement Program (STEP)

Industrial
training by
Report Bee,
Chennai

R. Menaha, AP

FIRST YEAR (23.01.2016)

SECOND YEAR(19.12.2015)

COORDINATORS

DR.S.Ramakrishnan(HOD-IT),
Mr.A.S.Muthanatha Murugavel(AP),
Mr.J.Ramprasath(AP),



NO ONE HAS EVER BECOME POOR BY GIVING

For attractive lips, speak words of kindness.

For lovely eyes, seek out the good in people.

For a slim figure, share your food with the hungry.

For beautiful hair, let a child run his fingers through it once a day.

For poise, walk with the knowledge you'll never walk alone.

We have born in the world and live our life. Our expectations reveal the happiness in our lives. But we fail to analyze our livelihood. A conscious thinking of it would reveal real meaning behind it. We start to smell our life in mother's womb

we get our basic needs like food, water and shelter with the help of our society. But we did not think about society. SO EVERY INDIVIDUAL SHOULD REPAY TO THE SOCIETY..

The society does not expect money from individual it expect kindness. Helping others is a fundamental part of humanity, bonding together and helping a fellow man or woman. Helping others can be done each and every day. For the development of the society, childrens are the backbone so let us try to promote children through education .



It's not how much we give but how much love we put into giving. Each day, pick one or two caregivers in your life, and send them a quick inspirational quote, to start off their day which will be a great inspiration to them. **Helping others is a great way to feel better about yourself. Seeing a smile or even tears of joy makes it all worth it.**

When we give cheerfully and accept gratefully, everyone is blessed



S.RAKSHANA

3RD IT

Giving

Helping

Encourag

National Conference PSG
on Recent Trends
in Information Technology

29.01.2016

PAPER PRESENTED-3



PSG College of
Technology
& Polytechnic College

January
2016

PAPER PUBLISHED-2



International Journal of
Advanced
Engineering Research
and Science (IJAERS)

*International Journal
of Computer Science Trends
and Technology (IJCST)*
&
IJTRE

PAPER PUBLISHED-2



January 2016

PAPER PUBLISHED-1

January
2016



*International Journal of
Novel Research
in Computer Science and
Software Engineering*

Inter and Intra Collegiate Competition / Events /WORKSHOP

2ND

IT

S.Praveen Kumar
V.Kishore

Data Science
Student
Challenge by
Microsoft

IISC, Bangalore(29.01.2016
& 30.01.2016)

2ND

IT

G.Sownthariyaa

Qubate

Kumaraguru College of
Technology, Coimbatore.
(12.01.2016)

3RD

IT

M.Malathi
T.Shanthini

Workshop on
IOT

BIT,Sathyamangalam.
(14.10.2015 & 15.10.2015)

3RD

IT

T.Hari Shankarai
A.Rajeswari
G.BlessyShona
E.Sree Vidhya

Workshop on
"An Insight of
MongoDB"

Kongu Engineering
College, Erode.
(23.01.2016)

3RD

IT

N.Reshma
B.Priyadarshini
B.Selva Nalini
D.Katheerja Parveen

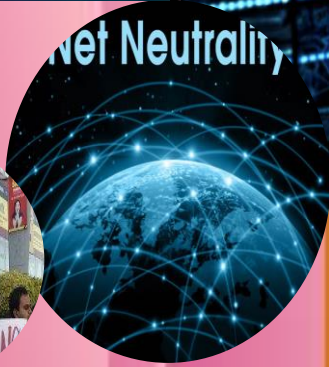
"RFID based
Speed
Controller in
speed limit

Collector Office,
Coimbatore(09.11.2015)

FREE BASICS

VS

NET
NEUTRALITY



P.ESHWARI
2ND IT

It is one of the top headlines in every social media few weeks back. Now the war of words came to an end with a solution. The Telecom Regulatory Authority of India ruled against differential data pricing tied to content services from Zero-rating platforms in India. Here Zero-rating platform explicitly mentioning Facebook's Free Basis.

Facebook had a tariff with Reliance communication to launch the program. The moto of their new leap is to connect billion of people by providing free Wi-Fi. Net Neutrality also gives the same meaning of offering free network all over India. People should be treated uniformly to access network. But arrival of Free Basis made clash of words between TRAI and Facebook. It raised a question whether it supports Free basis or not.

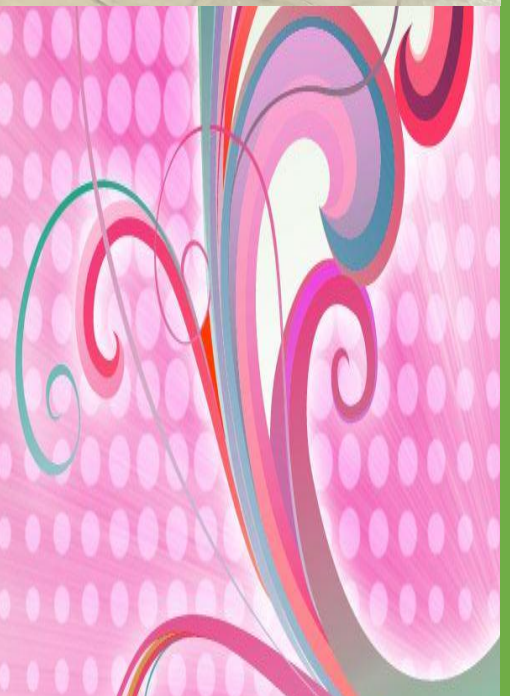
For Free Basis, people are allowed to use network by signing into their website. Gradually their goal of achieving new users occurs. People also signed in and supported Free Basis without aware of functioning of this new program. In the National Debate on this hot topic, people defend Net Neutrality by the statement "If they want with free network for all poor's hence they can give free net MB/GB.

"The business models with different tariff plans are available to achieve the objective of providing free internet access to the customers/users". Free Basis, which previously termed the **internet.org app**. It is the first step to connect 1 billion Indians to the opportunities through online and achieving digital equality in India, says Facebook Vice President Martin Kevin. But what happened at the end of the debate is TRAI supports Net Neutrality which in turn made the idea of Free Basis fade away.

2012-2016 BATCH



*Friendship is
always a Sweet
RESPONSIBILITY;
Not an
OPPORTUNITY*



EDITORIAL TEAM

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A. JeevaSwarna(13BIT029)

M. Malathi(13BIT067)

B. Gowthami(13BIT081)

Staff coordinators

M. Premalatha(PP),

J. Sumathi (PP)

DESIGNED

BY



V.NANDHINI

(13BIT045)



V.PRIYADHARSHINI

(13BIT011)

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