

REFLECTION

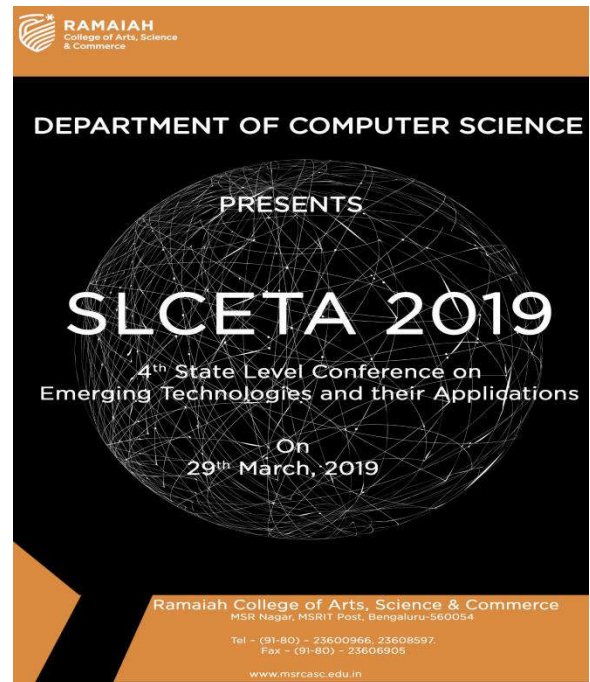
DEPARTMENT OF COMPUTER SCIENCE

2018-19

EDITORIAL NOTE

*“...You think you’ve seen the sun,
but you have not seen it shine; you
have seen nothing yet, the best is
yet to come..”*

On the launch of our first News Letter, we would like to thank our Principal, HOD, our entire friend lecturer and our students for there kind support. Publishing of this newsletter is a stepping stone to success. Lecturers who are the basic pillar of this department has aspired all the students to contribute to make this newsletter successful. This news letter also focus on the success achieved by the students and faculty in their respective fields. These achievements are in itself a millstone.



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The computer industry has become a far, far more complex space than what it used to be a decade ago. The pace of change is so rapid and the ramifications of every new technology advancement so intricate, that it’s impossible for the student to keep track of everything independently. With this level of complexity, analysis and forecasting is a daunting prospect—yet our team of students and lecturer has been able to put together, few aspects of the technology in this newsletter.

The department has also excelled in rendering humanity services .Services like blood donation, in which our department staff and students had participated.

We are happy to do this as we know the value of human life.

The department prepares its students for the competitive world and lashes them with the latest technology available in the software domain. SAP awareness seminar and workshop on Animation technology are few of the events that speak about our hard work in achieving our goal.

We've chosen to mark our first Launch of the BCA Department newsletter with this special issue that puts together in one power-packed edition a succinct, sector-wise analysis of what we did in this semester. We also focus on the trailblazers in each of these sectors as they outline their plans for the next semester.

DATA SECURITY ISSUES IN CLOUD COMPUTING

Cloud computing is a virtualized compute power and storage delivered via platform.cloud computing is a general term for anything that involves delivering hosted services over the internet.these services are broadly divided into 3 categories infrastructure as service,platform as service,software as service.. Many organizations are moving into cloud because it allows the users to store their data on clouds and can access at anytime from anywhere.Since data in the cloud is placed anywhere, it is important that the data be encrypted. We are using secure co-processor as part of the cloud infrastructure to enable efficient encrypted storage of sensitive data.

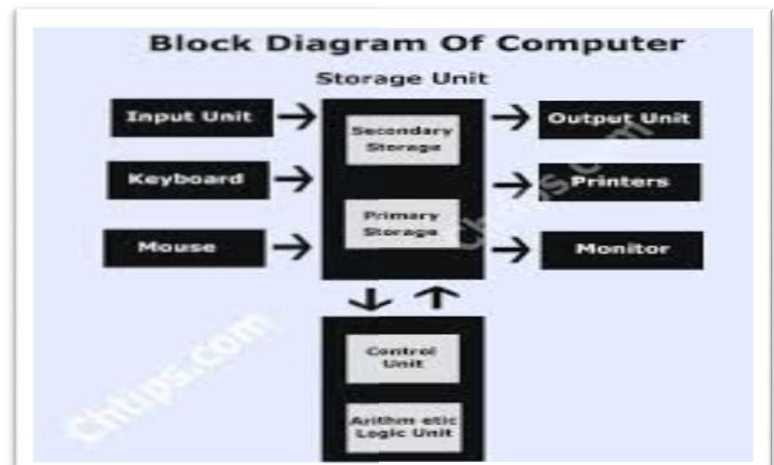


“Cloud is a great euphemism for centralization of computer service under one server”

MOTHERBOARD TECHNOLOGY

Meghanagowda

The term Computer basically includes a series of electrical and electronic circuits together to form a single unit to perform the required operation for the user. The computer has no intelligence of its own and thus cannot perform any task by itself. Thus it requires the hardware, software, data and users which form the computer system to perform different Operation. A motherboard (sometimes alternatively known as the main board, system board, baseboard, planar board or logic board, or colloquially, a mobo) is the main printed circuit board (PCB) found in general purpose microcomputers and other expandable systems.



It holds and allows communication between many of the crucial electronic components of a system, such as the central processing unit (CPU) and memory, and provides connectors for other peripherals. Unlike a backplane, a motherboard usually contains significant sub-systems such as the central processor, the chipset's input/output and memory controllers, interface connectors, and other components integrated for general purpose use.

EVENT - International Girls In ICT DAY-2019



"The question isn't who's going to let me; it's who is going to stop me."

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-Ayn Rand



Women have played a major role in computing for centuries as well as men. The purpose of this paper is to gain knowledge on women involved in technology who for some reason do not gain as much recognition as do men. There are numerous women within this field worth talking about, but the ones chosen were Ada Byron, Grace Hopper, Evelyn Granville, and Krisztina Holly. The history of each individual will be discussed as well as what form of influence they had in computers.

HEART BEAT SENSING AND HEART ATTACK DETECTION USING INTERNET OF THINGS:IOT

In this project we are implementing a heart beat monitoring and heart attack detection system using the Internet of things. These days we have an increased number of heart diseases including increased risk of heart attacks. The sensor is then interfaced to a microcontroller that allows checking heart rate readings and transmitting them over internet. The user may set the high as well as low levels of heart beat limit.

After setting these limits, the system starts monitoring and as soon as patient heart beat goes above a certain limit, the system sends an alert to the controller which then transmits this over the internet and alerts the doctors as well as concerned users Also the system alerts for lower heartbeats. Whenever the user logs on for monitoring, the system also displays the live heart rate of the patient. Thus concerned ones may monitor heart rate as well get an alert of heart attack to the patient immediately from anywhere and the person can be saved on time rate of the patient. Thus concerned ones may monitor heart rate as well get an alert of heart attack to the patient immediately from anywhere and the person can be saved on time.

GOVERNMENT SCHOOL VISIT - 2019



The government of India has done a great deal to provide students with **schools** even in the most remote villages. Although most villages have schools, there are very few that can produce students who can compete with those who study at public schools in the big cities of the country. Our Department of Bca visited a government school situated at a rural village in Karnataka. We thought students basics of computers and let them show their creativity on Drawing tool. We donated notebooks and stationery.



ARTIFICIAL INTELLIGENCE IN HOSPITALS AND GAMING

Intelligent machines will replace human capabilities in the future, in many areas. Artificial intelligence is the machines or software's intelligence. It is mainly considered in the field of computer science. Artificial Intelligence is a popular field as it has enhanced our life in many areas. Artificial intelligence in the previous 20 years have improved performance greatly in field of the service systems and manufacturing. Artificial intelligence have gave rise to the technology known as expert system.



Artificial Intelligence is having a huge impact on various fields of life as expertsystem And in this paper we will see how Artificial intelligence involves mainly complexproblem is solved by amazing methods like neural networks , deep learning which furtherinclude expert system , fuzzy logic and how with the help of their implementations can actuallyhelp in hospitals and in computer video games with NPC.



“The best marketing doesn't feel like marketing”

-Tom Fishburne

EVENT - Digital Marketing

CAREER GUIDANCE - 2019



*“Choose a job
you love, and
you will never
have to work a
day in your*

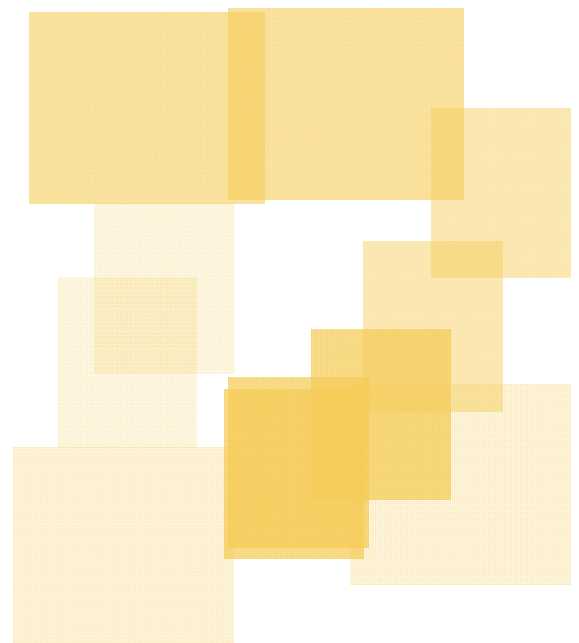
With the help of career guidance, candidates will be able to make their educational and training investments wisely.

Through career guidance, candidates will be able to put their complete dedication and commitment to pursue the suggested career and will be in a position to get an edge over others.

Career guidance will provide candidates an in-depth understanding about the educational requirements, training and certifications, schools and colleges, compensation and wages related to the career at hand.

Career guidance is given by experts in those fields and they will be in better position to explain the current options and developments in the field and the upcoming changes that are going to positively or negatively affect the candidate who is going to pursue that career option.

Through career guidance, the candidates will be able to fit their career with their short, medium and long term career goals and objectives. Career guidance gives them a better framework to plan for their future career proactively. Career guidance can help immensely in deciding on the career path of an individual which can lead to the candidate being successful in their career life and personal life.



BIG DATA PROCESSING AND HADOOP COMPONENTS

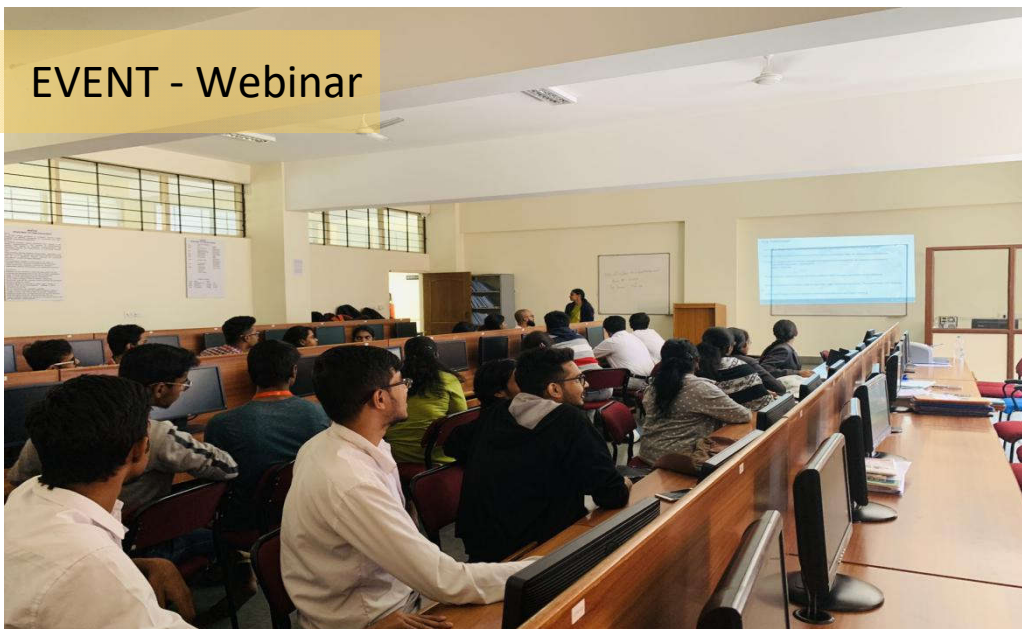
As big data continues down its path of growth, a major challenge has become how to deal with the explosion of data and analysis of this data. For such data-intensive solicitations, the Apache Hadoop Framework has recently attracted a lot of attention. This framework Adopted Map-Reduce, it is a programming model and an associated implementation



for processing and generating large data sets. Hadoop Provides: Distributed File System, Jobscheduling, Resource Management Competencies, and Java API for writing Application E.g. Java Map-Reduce, Streaming

Map-Reduce, Crunch, Pig latin, Hive, Oozie etc. Users specify a map function that processes a key/value pair to generate a set of intermediate key/value pairs, and a reduce function that merges all intermediate values associated with the same intermediate key.

EVENT - Webinar



“Give everyone the power to share anything with anyone “

-Mark Zuckerberg

SLCETA 2019

4th State Level Conference On Emerging Technologies and Their Application



The State level conference on Emerging technologies and their applications (SLCETA-2019) focuses on Advanced Research in the area of Computer Science & Technology, and it will provide a forum for sharing insights, experiences and interaction on various facets of evolving technologies and patterns related to Computer Science & Technology. The aim of the Conference is to provide a forum to interact Research Scholars Academicians and Students in the field of Computer science and Engineering, to interact with Eminent Experts from industry & leading organizations. The conference includes invited talks along with research papers and discussions about emerging technologies, SLCETA-2019 will be an excellent platform leading to knowledge transfer and generation of new ideas

OBJECTIVE

To provide insight into areas like Big Data, Cloud computing, text mining. Data mining and etc.

To discuss the concerns related to Cyber security.

To put focus on Internet of Things and its implications.

To discuss issues related to application of e-governance at various levels.

SUB THEMES

Big Data

Data Mining /Text Mining / Social Mining / Web Mining

Machine learning / Artificial Intelligence

Internet of Things

V Mobile communication and computing

Cyber security

v Cloud Computing

Digitalization and e-governance

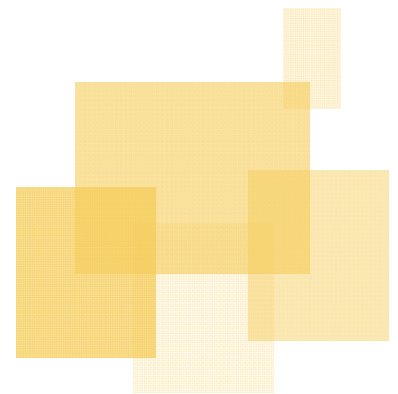
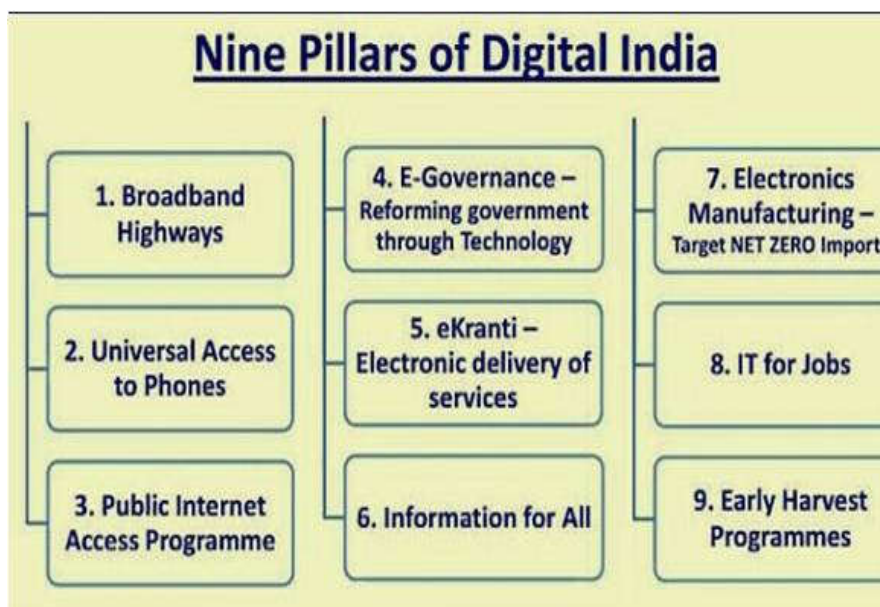
DIGITAL INDIA: OPPORTUNITIES & CHALLENGES

POOJA.V,SHILPA.KV

Digital India is the beginning of digital revolution. It is a dream which is created by the Government of India to ensure that government services are made available to citizens electronically, even in remote areas, by improving online infrastructure and by increasing Internet connectivity. The programme has one mission and one target that is to take nation forward digitally and economically.



The initiative will enable people to get engaged in the innovation process which is needed by the economy to move forward. But to implement this is a great challenge. There are many roadblocks in the way of its successful implementation like digital illiteracy, poor infrastructure, low internet speed, lack of coordination among various departments, issue pertaining to taxation etc. These challenges need to be addressed in order to realize the full potential of this programme. It requires a lot of efforts and dedication from all departments of government as well as private sector. If implemented properly, it will open various new opportunities for the citizens of the country. Key Words- Digital, Infrastructure, Opportunities, Revolution, Roadblocks.





Muthuanna - Teaching our students about the importance of a impressive resume to attract employers, and to maintain corporate standards.

Rajat Arora- He shared about the trending technologies like machine learning, cloud computing, deep learning. He also guided the students about their new career paths and suggested them to experiment with new technologies and learn from their



INDUSTRIAL VISIT - 2019

Traffic Management Centre



Bangalore has many institutes and many talented people lives there, and as it is also a metropolitan city, so there are many problems with traffic. This traffic problem leads to a major traffic jam that cannot get resolved up to 4-5 hrs a day.

This traffic problem is getting very much serious after day by day, there are many high volumes of vehicles and inadequate infrastructure, and this irrational distribution of the development can cause the increase in the traffic jam in this city.

The main reason for the traffic has been causing because many people live there as there is more population in the city because of more population more vehicles that run through the road that causes traffic jams.

People from the city like to travel from vehicles as it is a running city in our country so because of this vehicles pollution causes.

