



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

RAPIDSHARE

"A KNOWLEDGE GRANARY"

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Department of MCA

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Message From Head,

Welcome to the August 2018 edition of **RAPID SHARE**. This exciting edition showcases on various events organized in the Department of MCA. Few glimpses are highlighted here on our students' participation at department level activities and Co-curricular activities.

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Message From Editor

The **RAPIDSHARE** newsletter is just one of the tools of this MCA course to connect with our students. It is intended at all the students with significance in maintaining unity and integrity. So, hopefully most of the students will be able to learn various new things by means of sharing their experience and expertise.

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Why **RAPIDSHARE** ?

RAPIDSHARE - This News Letter is published in every month for exhibiting the current trends in ICT as well as to portray the activities of students and faculties of MCA Department, NHCE. This is for igniting the younger minds with a Knowledge Granary.

Stay Connected
with

RAPIDSHARE

Vision of NHCE

To emerge as an institute of eminence in the fields of engineering, technology and management in serving the industry and the nation by empowering students with a high degree of technical, managerial and practical competence.

Mission of NHCE

To strengthen the theoretical, practical and ethical dimensions of the learning process by fostering a culture of research and innovation among faculty members and students.

To encourage long-term interaction between the academia and industry through the involvement of the industry in the design of the curriculum and its hands-on implementation.

To strengthen and mould students in professional, ethical, social and environmental dimensions by encouraging participation in co-curricular and extracurricular activities.

Quality Policy of NHCE

To provide educational services of the highest quality both curricular and co-curricular to enable students integrate skills and serve the industry and society equally well at global level.

Expert Lecture on PL/SQL

Date: 11-August-2018

Timing: 09:00 AM - 11:00 AM

Venue: MCA Lab

Faculty Co-ordinator: Prof.Kavitha S N

The session began with Mr.Pradeep expressing his enthusiasm about being employed as a Database Architect for Harman International and how it gave him the opportunities to explore applications like Oracle and DB2 over the years, he then proceeded to talk a little bit more about the various other applications that offer PL/SQL.

He then continued to provide further insight into the basics of PL/SQL by teaching the students about the how it allows the user to send in a block of SQL statements to the database at once to have it executed sequentially and even provides support for Object Oriented Programming.

Following which Mr.Pradeep went on to the practical concept of how a PL/SQL program can be written and executed, he even gave a brief insight into the various data types, variables, constants, literals, operators and the selection and iteration statements available for added functionality.

Before concluding the session he spoke about the important concept of procedures implemented on different levels of the database and touching up on the various date, timestamp, timezone and interval data types that are available.

The session was then concluded after he took a few questions and cleared up any queries the students had regarding the topic of the lecture.

Vision of MCA Department

To be the source in bringing Competent Computing Professionals, Innovators, Researchers, Entrepreneurs and Leaders to serve the Industry,Nation and Society.

Mission of MCA Department

To provide world class computer education and cultivating technical skills to meet the challenging global needs and emerging trends in the industry.

To enable students in acquiring strong academic skills and enhance knowledge towards innovation in research and development.

To inculcate the professional behavior and leadership qualities with ethical responsibilities for the betterment of the society and empower them to become entrepreneurs.

Quality Policy of MCA Department

To impart excellence in education and make students to be successful, ethical, effective solution providers and life-long learners who will contribute positively to the economic well-being of our nation.





Expert lecture - Tools & Methods used in Cybercrime

Date : 11th August 2018

Timing : 11.00 AM - 1.00 PM

Venue : Falconry Seminar Hall

Faculty Co-ordinator: Dr.Nirmala A P

The lecture began with an introduction of the speaker, Mr. Krishna Kumar being given by Dr.A P Nirmala. The session was then handed over to him where he began with an introduction to why Cybercrime has become a serious threat in the society and what are the techniques by which Cyber Criminals are harming the society, industries and organizations.

He shed light on Data protection and continued to provide an insight into the benefits of Data Privacy in the industry today, following which he spoke about Cyber Crime with use case examples of how effectively and widely they have harmed people in the society today. The importance of understanding the working of cyber crime and how to defend from a cyber threat can be vital in the field of Cyber Security today.

Mr. Krishna then continued to provide a deeper insight into the cyber tools which are KALI LINUX, DARK WEB, TOR BROWSER, etc, which are emerging technologies and how effectively it is being used in the field of cybercrimes.

He then concluded the session by providing a brief insight into the forms of cyber-attacks and how hackers can use them to harm your computer or steal personal information with a real-time example on how it can be used for illicit purposes. He then briefly touched up on the importance and the various problems that have been resolved with the help of cyber forensics.

TECH QUIZ

Venue : Room No. A004

Time: 02:00 PM - 4:30 PM

Date: 20th Aug 2018

Faculty Co-ordinator: Prof.Vishwanath

The Tech Quiz was organized by the ACT CLUB to enhance and improve students' knowledge on emerging web technologies. The event started off with the first round, 25 teams with 2 people per team, it was pen and paper quiz and each team were given a set of 20 questions with a time limit of 20 minutes.

There were 15 teams in the 2nd round and it was also a written quiz, each team was given a set of 20 questions, the time limit was 15 minutes. The teams who answered most of the questions correctly were sent to final round.

There were 8 teams that made it to the Final round where each team was given a company logo, whereby one of the team members had to enact to the other. Points were assigned on the basis of time taken. Finally, there were 2 teams which scored the highest points and we had a tie breaker round. There was a tie breaker round held between two teams that scored that had the fastest time.

The winning team was Mutturaj Gurav and Vikas G from MCA and the runner up team were Animesh Sharma and Hema Upadhyay from BCA. The certificates were then presented to them by Prof. Vishwanath, the faculty coordinator for the ACT club.





CRACKATHON

Event: CRACKATHON
Club Name: FOSS CLUB
Date: 21st August 2018

Faculty Coordinator: Prof. Thrimoorthy N

Round 1: Quiz

There were 34 teams in the CRACKATHON Event, In the first round, there were 40 Questions displayed on the screen based on open source softwares like Linux, Android, MySQL etc. Participants had to write the answers in the given time frame.

Finally 15 teams with the highest score were selected out of 34 teams for the second round.

Round 2: Coding for Pattern

Some pattern was given to the participants to write and execute the C Programming. The pattern is to print the numbers in Pyramid shape within the given time frame. Finally, 2 teams were able to finish within the given time frame and were considered as the winners of the competition.

Winners:

First Prize: Abhishek (4th CSE)
Chethan (4th CSE)

Second Prize: Likitha (2nd BCA)
Kashifa (2nd BCA)



Expert Lecture on "HTML5 & WEB DESIGN"

Event: Expert Lecture on HTML5 and Web Design
Venue: Falconry Seminar Hall
Date: 11th August 2018
Faculty Co-ordinator: Prof. Vishwanath

The session began with Mr. Naveen Kumar Dinni giving a brief introduction about himself, he also mentioned that he is a software engineer currently being employed by Spire Technology Pvt Ltd.

He then proceeded to begin the topic of the lecture where he covered very interesting and insightful topics like SVG, Canvas, Geolocation and many more interesting concepts about HTML5 with real time example and insight into how they are being used in the industry today.

He concluded the session with a Q&A where in the students raised questions and had them answered in a clear manner.



Expert Lecture on Big Data

Venue: MCA Lab 1

Date: 21st August 2018

Faculty Co-ordinator: Prof.Jincy Mathew

The session began with a little introduction about Mr. Veerabhadra, who is currently employed by National Instruments as a Data Scientist. He then started on a very interesting note about "Why is it called Big Data?", after which he gave an explanation for the above question and even touched up on a few very important concepts of big data and how it came to be.

He then went on to a few other concepts of big data and expalined the importance of the five V's (Velocity, Volume, Value, Variely and Veracity) of big data before concluding the session with a Q&A where the students raised a few questions.



IoT Workshop at CMRIT

The students from MCA deparatment NHCE attended a two day workshop on IoT held at CMRIT on the 24th and 25th of August 2018.

The session began with what is IoT and the massive growth in IoT is due to the proliferation of sensors which are going to work in an ever growing smart ecosystem that we are surrounding ourselves with.

The session had numerous guest speakers who shared their ideas on the various concepts of IoT and the domains that it could be applied in, like smart health, smart transportation, smart agricultutre, smart security etc. These are just few of the domains that IoT would be helpful in. The session concluded with a series of questionn being asked by the students of various colleges in attendance at CMRIT.



Training Program on AI and ML

Venue: Video Conference Room (library)

Date: 11th August 2018

There was a training program on Aritificial Intelligence and Machine Learning conducted by the Global IT Commune (GIC). This was a program conducted for Faculty members only, Prof. B Nithya Ramesh and Prof. Kavitha S N were in attendance for the event from the department of MCA.





INDEPENDENCE DAY CELEBRATION

New Horizon College of Engineering celebrated the 72nd Independence day on the 15th August 2018, with the Principal hoisting the national flag, following which there were numerous cultural events and performances in line to celebrate the joyous occasion.



India's Silicon Valley Bangalore faces an exquisite water shortage. Over the last two decades the city's water table has shrunk at alarming rate. The experts say the IT hub of India is on the verge of eminent water crisis. It is fast moving toward the day zero.

Day zero is the situation where tap starts running dry. The BBC report placed Bangalore at the second spot after Brazil among the 11 global cities that are likely to run out drinking water in the near future.

According to the down loward magazine published by green think tank center of science and environment, unplanned urbanization and encroachment has reduced the number of water bodies in Bangalore by almost 79%.

Further built up area has increased from 8% to 77% in present times. Water table has shrunk from 12metres to 91 meters in just two decades, while the number of extraction build has been grown up 5K to 0.45 million in 30 years.

India is now facing a water situation that is significantly worse compare to the previous generation has to face. All Indian water bodies within and near population center will grossly populated with organic. The surface water condition is bad.

The ground water condition is even worse. A world bank report says by the year 2020 most major Indian city will run dry.

by:

Ishwar Chandra 2nd year MCA
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Articles by the Students

WHO STOLE OUR WATER?

After air, water is the most essential need of life. But despite the Earth's surface being covered by 70% water, the world doesn't have adequate drinking water. Only 3% water on the planet is fresh. According to UN report, global demand for fresh water will exceed supply by 40% in 2030 owing to a number of factors like climate change, rapid grown in population and massive urbanizations. Today over one billion people lack access to clean drinking water-India being home to the highest number of such people. In this article, we able to understand the reason for the problem and understand where all our water has gone.

22 March is observed as water day every year. The focus is to preserve and understands the importance of water. This year theme was 'the nature of water' exploring nature base challenge to the water that we face in the 21st century.

FURY OF MOTHER NATURE

We have heard from many scriptures which teach us lessons on "What you sow so shall you reap". In today's era we see the expectation of individuals are going higher and higher in all the directions which can be in terms of education, job, salary, status, ego ... etc. they are ready to anything to acquire them in order to satisfy their demand without realising its consequences. Nature is a personification for life-giving, nourishing, caring and well as punishing that's why she is referred to a mother. We are an attribute of our mother who do not realise that we have exceeded our expectation from her such that she is not able to withstand any more ... We all are familiar Newton's laws third law "Every action has an equal and opposite reaction" When Mother nature gets angry there is no escape from her punishment. Which leads to a catastrophic disaster and deep wound that takes time to cure.. as techies, engineers, managers, ...or in any field we belong to we are well aware about our mother nature. It is high time that we think over and take up steps for restoring our environment.

Let us see some causes that has disturbed our environment

- Global Warming
- Deforestation
- Soil erosion



Pollution

→ Over utilization of resources ("coal", "gold"...)

We know that we are well aware of these facts ... let us see together how we can find a solution.

Invest in energy-efficient appliances:

Since they were first implemented nationally in 1987, efficiency standards for dozens of appliances and products have kept 2.3 billion tons of carbon dioxide out of the air. That's about the same amount as the annual carbon pollution coughed up by nearly 440 million cars. When shopping for refrigerators, washing machines, and other appliances, look for the Energy Star label. It will tell you which are the most efficient.

Reduce water waste:

Saving water reduces carbon pollution, too. That's because it takes a lot of energy to pump, heat, and treat your water. So take shorter showers, turn off the tap while brushing your teeth, and switch to Water Sense-labeled fixtures and appliances

Buy better bulbs:

LED light bulbs use up to 80 percent less energy than conventional incandescents. They're also cheaper in the long run: A 10-watt LED that replaces your traditional 60-watt bulb will save a lot over a lightbulb's life.

Drive a fuel-efficient vehicle:

Gas-smart cars, such as hybrids and fully electric vehicles, save fuel and money. And before you buy a new set of wheels, compare fuel-economy performance here.

Afforestation and Reforestation:

Afforestation is the establishment of a forest or stand of trees in an area where there was no previous tree cover. Reforestation the process of replanting an area with trees.

Through this article I would like to share that all of us need to work together with an common objective of protecting and nurturing our mother nature just as she is with us always.

by:

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SKETCHES



Art by: Dharani G 2nd year MCA
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3D ART



Art by: Eekshita G 2nd year MCA
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ANTONYMS

Approval – Disapproval

Humble – Proud

Optimist – Pessimist

Rigid – Pliable

Scatter – Collect

Plentiful – Sparse

Professional – Amateur

SYNONYMS

Ardour – Passion

Citation – Quotation

Dash – Sprint

Delicate – Fragile

Dicy – Risky

Destitute – Bankrupt

Ravenous – Hungry

*Contribute to **RAPIDSHARE***

We invite all MCA students and faculty members to contribute articles to the subsequent issues of RapidShare. The articles can be either technical or general depending upon your field of interest. All submissions have to be under 500 words. Please submit your articles to the student editors (see front page) with your name, department, year of study (designation in case of faculty members). If you want your achievements and activities to be highlighted in this newsletter, please get in touch with your respective faculty and student coordinators (see front page).

Feedback

The Editorial Board requests all readers to provide their valuable feedback regarding the content and design of the newsletter. New ideas regarding columns and content will be appreciated.

Disclaimer

Utmost care has been taken while developing content for the newsletter. Any incorrectness of data or information is purely in advertent and incidental. All contributions could not be accommodated due to space constraints and other factors. All contributions are in our database and we will try to incorporate them in future issues. The Editors also wish to inform the readers that this newsletter is for internal circulation only.