



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

The Trust is a Recipient of Prestigious Rajyotsava State Award 2012 Conferred by the Govt. of Karnataka
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(An Autonomous Institution Affiliated to VTU)

RAPID-SHARE

“A Knowledge Granary”

A Monthly Newsletter from Department of Master of Computer Applications

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Message from Head,

Welcome to the January 2020 edition of **RAPID-SHARE**. This exciting edition showcases on various events organized in the Department of MCA. Few glimpses are highlighted here on our student's participation at department level activities and Co-curricular activities.

Dr. Asha V
Head, Professor- MCA, NHCE

Message from Editor

The **RAPID-SHARE** newsletter is just one of the tools of this MCA Course to connect to our students. It is intended at all students with significance in maintaining unity & integrity and hopefully will be able to learn something new and share their experiences and expertise.

Dr. K. G. Madhwaraj
Professor-MCA, NHCE

Stay Connected with **RAPID-SHARE**

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Why Rapid - Share?

The **RAPID-SHARE** Newsletter is published every month for exhibiting the current trends in ICT as well as to portray the activities of students and faculty of MCA Department, NHCE. This is for blazing the budding minds with Knowledge Granary.

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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 mould our students into a holistic personality accomplished in emotional, moral, intellectual, social and mental capabilities besides inculcating a capacity for critical and lateral thinking. To adhere long-term interaction between the academia and industry through the involvement of the industry in the design of curriculum and its hands on implementation.

QUALITY POLICY OF NHCE

To provide education services of the highest quality both curricular and co-curricular so that our students can integrate skills and serve industry and society equally well at the Global

VISION OF MCA DEPARTMENT

To be the source in bringing Competent Computing professional, innovators, researchers, and leaders to serve the industry, society and nation.

MISSION OF MCA DEPARTMENT

To nurture students with a holistic approach, to inculcate knowledge, expertise and attitude with the ability to think critically, rationally and innovatively

QUALITY POLICY OF MCA DEPARTMENT

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

VISIT TO SAMARTHANAM TRUST

Samarthanam Trust for the Disabled, founded in 1997, is a non-profit organization working towards facilitating opportunities to enable persons with disabilities and the underserved to keep pace with the rest of the society by providing quality education, accommodation, nutritious food, vocational training and placement.

The students of MCA visited the “Samarthanam trust”, a training-cum-enabling institute for disabled children on 31/10/2019. The following activities were done as part of the visit. They visited the classrooms, interacted with them and looked at all the handcrafts that they had created.

In addition, they also visited the musical room wherein one of our students performed mimicry to entertain the children.

Our students came to know the specialized software and the assistive technologies used in the institute. The height of the institute is that they run a BPO centre where the blind people assist in the various activities of the BPO. Finally, a special lunch was offered to the children by the MCA students.



VISIT TO AKSHAYA PATRA

Department of MCA, Department of MCA, New Horizon College of Engineering, as part of its consistent efforts to blend theoretical concepts with practical experiences, took students from the first semester to Akshaya Patra on 15th and 18th November 2019.

As the number of students were limited due to space constraints at Akshaya Patra, we divided them into two batches and taken them on different days.

Akshaya Patra is a not-for-profit organization headquartered in Bengaluru, India. It strives to eliminate classroom hunger by implementing the Mid-Day Meal Scheme in government schools and government-aided schools. It also aims at countering malnutrition and supporting the right to education of socio-economically disadvantaged children.

Mr. Sunila in charge of Akshaya Patra gave an introductory session on Akshaya Patra, what it stands for, its past and future projects, such as Feed the Future.

The students were escorted to the kitchen where the mid-day meals were prepared. Unlike its other kitchens, this one was a one-floor operation with a considerable amount of manual intervention. There was large machinery with as much as 600 L capacity (for rice) and 1200 L capacity (for Sambar). All its other kitchens were automated up to 80%.

The students were enlightened to be able to peek into the activities of the kitchen, and the various practices followed by them inside the kitchen with regards to cleanliness, maintenance, quality checks, applying

stickers before the food is loaded onto the delivery vehicles, and a full-fledged menu for the day where the organization is attempting to offer some variety along with nutrition. Students become more aware of industry practices and regulations during industry visits. Further, industrial visits broaden the outlook of students with exposure to different industries. This was followed by a brief visit to the temple with a darshan of Lord Krishna. Later our students had lunch there only which was very tasty and delicious.



PARENT TEACHERS MEET

A parent teachers meet was held on Nov 30, 2019. This was conducted for the parents of first year MCA course. The parents and the faculty exchanged a lot of ideas on how their wards were performing and how they can improve further. In this meeting, the following things were looked at like attendance of students, discipline, and

performance in internal test. Parents feedback was also taken by the department.

The Communication between parents and teachers is essential to student success in the classroom. As part of this communication, teachers should be regularly meeting with parents to discuss what is being taught and how the student is progressing. In addition, conferences may be needed to resolve concerns over a student's specific academic or behavioural issues.



FDP INAUGURATION

The inauguration of the AICTE-Sponsored Faculty Development Program hosted by the Department of Master of Computer Applications was held today in the Falconry Seminar Hall. Mr. B.S. Bindumadhava, Scientist 'G' & Senior Director, Centre for Development of Advanced Computing (C-DAC), Bengaluru was the Chief Guest for this event. Several faculties from different engineering colleges are participating in this hands-on FDP.

NHCE believes in intense training to its faculty and staff which would help ultimately in the overall development of institution. The immediate beneficiary of these programmes is the student

community. Every time a faculty comes out of a training program, the student community feels the difference in teaching skills, depth of knowledge and teaching approach by the faculty in the class room.



ARTICLE ON CLOUD COMPUTING

Cloud computing is the delivery of on-demand computing services from applications to storage and processing power typically over the internet and on a pay-as-you-go basis.

Rather than owning their own computing infrastructure or data centers, companies can rent access to anything from applications to storage from a cloud service provider.

One benefit of using cloud computing services is that firms can avoid the upfront cost and complexity of owning and maintaining their own IT infrastructure, and instead simply pay for what they use, when they use it.

In turn, providers of cloud computing services can benefit from significant economies of scale by delivering the same services to a wide range of customers.

Cloud computing services cover a vast range of options now, from the basics of storage, networking, and processing power through to natural language processing and artificial intelligence as well as standard office applications. Pretty much any service that doesn't require you to be physically close to

the computer hardware that you are using can now be delivered via the cloud.

Cloud computing underpins a vast number of services. That includes consumer services like Gmail or the cloud back-up of the photos on your smartphone, though to the services which allow large enterprises to host all their data and run all of their applications in the cloud. Netflix relies on cloud computing services to run its video streaming service and its other business systems too, and have a number of other organizations.

Cloud computing is becoming the default option for many apps: software vendors are increasingly offering their applications as services over the internet rather than standalone products as they try to switch to a subscription model. However, there is a potential downside to cloud computing, in that it can also introduce new costs and new risks for companies using it.

A fundamental concept behind cloud computing is that the location of the service, and many of the details such as the hardware or operating system on which it is running, are largely irrelevant to the user. It's with this in mind that the metaphor of the cloud was borrowed from old telecoms network schematics, in which the public telephone network (and later the internet) was often represented as a cloud to denote that the just didn't matter -- it was just a cloud of stuff. This is an over-simplification of course; for many customer's locations of their services and data remains a key issue.

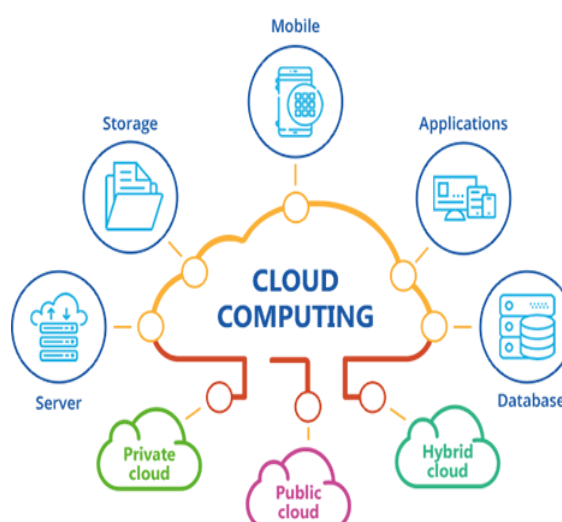
Cloud computing as a term has been around since the early 2000s, but the concept of computing-as-a-service has been around for much, much longer -- as far back as the 1960s, when computer bureaus would allow companies to rent time on a

mainframe, rather than have to buy one themselves.

These 'time-sharing' services were largely overtaken by the rise of the PC which made owning a computer much more affordable, and then in turn by the rise of corporate data centers where companies would store vast amounts of data.

But the concept of renting access to computing power has resurfaced again and again -- in the application service providers, utility computing, and grid computing of the late 1990s and early 2000s. This was followed by cloud computing, which really took hold with the emergence of software as a service and hyper scale cloud computing providers such as Amazon Web Services.

Building the infrastructure to support cloud computing now accounts for more than a third of all IT spending worldwide, according to research from IDC. Meanwhile spending on traditional, in-house IT continues to slide as computing workloads continue to move to the cloud, whether that is public cloud services offered by vendors or private clouds built by enterprises themselves.



Synonyms

Calculating	Canny
Calamity	Misfortune
Callous	Unfeeling
Calumny	Defamation
Capable	Competent
Captivate	Charm
Captivity	Imprisonment

Antonyms

Calculating	Honest
Calamity	Fortune
Calumny	Praise
Captivate	Offend
Captivity	Freedom
Capable	Incompetent
Callous	Compassionate

Contribute to Rapid-Share

We invite all MCA students and faculty members to contribute articles to the subsequent issues of Rapid-Share. The articles can be either technical or general depending upon your field of interest. All submissions have to be under 500 words. Please send your articles to e-mail address (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

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