NEW HORIZON COLLEGE OF ENGINEERING

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Ring Road, Bellandur Post, Near Marathalli, Bangalore-560103, India
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RAPID-SHARE

"A Knowledge Granary"

A Monthly Newsletter from Department of Master of Computer Applications

Volume No.:6, Issue No.: 1   October 2019

Message from Head,

Welcome to the October 2019 edition of RAPID-SHARE. This exciting edition showcases the various events organized in the Department of MCA. Few glimpses are highlighted 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 twice every semester for exhibiting the current trends in ICT as well as to portray the activities of students and faculty of MCA Department, NHCE. This gives immense information for those blazing the budding minds who want to further their Knowledge Granary.

In this Issue....

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 level.

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 AKSHAYA PATRA

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 fifth and third semester to Akshaya Patra. As the number of students were limited due to space constraints at Akshaya Patra, we divided them into to four 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 incharge 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 abrief visit to the temple with a darshan of Lord Krishna. Later our students had lunch there only which was very tasty and delicious.

Workshop on "Cyber Security and Consumer Awareness"

This workshop was intended to provide awareness among the student community on the different cyber threats that are taking place every day. Mr. Narasimha Rao therefore accepted to deliver a workshop on the same.

The workshop discussion was focused on the following topics

1)   Primary Online Risks and threats

2)   Cyberbullying and Other threats

3)   Responsible Online Behavior

4)   Checking URL's regularly

5)   Types of Cyber Crimes

6)   Understanding data used in smartphone

7)   Checking the basic settings of your transaction

8)   Duplicate Cards

9)   Social Media etc…

The students understood the different cyber-crimes that are conducted every day and the ways how they perform it. This workshop has definitely motivated the young engineering students also come forward to ensure that such threats can be reduced in the near future.

The session provided long insight towards "Motivational Talk". This session have impacted much on students to explore much more in this field. At last, Mentor answered many questions which students had about Scope of MCA Students also gained knowledge about how to work on it.

Motivational Talk

On 21st August 2019, a session on "Motivational Talk" was organized by department of MCA and conducted by Mr. Pavan Kumar in New Horizon College of Engineering to increase the knowledge on scope of MCA. It was held for students of MCA (2nd year and 3rd year). To provide an opportunity to the students to know about various upcoming technological trends and advancements in this field.

There are several areas of work in MCA, and depending upon interest, passion and aptitude. The different career options after doing MCA are as follows:

- App Developer

- System Analyst

- Software Developer

- Hardware Engineer

- Web Designer, etc.

Expert Lecture on PHP

A Guest Lecture on PHP (PHP Hypertext Preprocessor) was organized on Saturday, the 20th August 2019 in the MCA Smart Class Room for all the students of V semester MCA. Mr. Sharath from Suventure Services was the resource person for the session. This session was all about developing dynamic web pages using PHP technology. The resource person spoke about the scope of career opportunities available in IT Industry on this technology. PHP is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. He had explained about Technical Architecture and various tiers that are adopted in software development. N-tier architecture was focused very much because it is applicable for web development using PHP technology. The session was useful for students of final year MCA for implementing in their project work and appearing for campus placements.

Workshop on Becoming a Python Charmer

The workshop began with an insight into the various aspects, features, uses and applications of python programming. Showing the students how simple and easy it can be.

The session included all the basics of python a few of which were the reference semantics, different data types available in python, memory management, control and looping constructs, user defined functions, interactive input, multiple input and many other basic concepts with a hands-on session on asking the students to try creating a variable, tuple, list and perform a few operations of lists, tuples etc.

The session concluded with a demonstration on audio file manipulation using python, using trigonometric functions to draw a circle using only straight lines, video file manipulation and a small demonstration on the different versions of python on a terminal and the third-party IDE Geany, the demonstrations then continued with an insight into the various functionalities provided by Turtle Graphics and the amazing patterns and designs that can be created and shown through Turtle Graphics.

The session was then concluded by informing the students on the packages like Django, Pyramid, Flask and Bottle frame works that they would need to refer for web application development and management of server-side requests of various users.

The students were given an insight into the various applications of python in various fields. Many of the students developed a high interest in exploring and learning more about python. All of the students who attended the workshop received hands-on experience on using python and the versatility of python along with how simple it can be to code with python effectively.

YUKTHI V5.0 Symposium

This symposium was conducted with an agenda to allow students to expose their technical ideas in a forum. This way the participants will know how to integrate the latest technologies into their research projects and present their paper with novel innovative ideas.

The judges were faculty from the MCA department. They patiently listened to all the research ideas and gave suggestions to students as to how they can further their ideas in a proper effective way. Student participants from various departments presented the research papers along with a power point presentation. There were a few participants from external colleges too. The ideas behind the research papers were amazing, incorporated various technologies and case studies.

All of the ideas were primarily based on the topics like, machine learning, artificial intelligence and other current technologies. It seemed like all the students had their own solutions and ideas to resolve social issues. One of our winner participants had a working model to showcase to the audience.

Software Testing Workshop

The resource person made the students understand why automation testing has become important in today's world. He highlighted the importance of the Selenium architecture and how it forms as a basis for software testing today. This was followed by a hands-on session on Selenium tool i.e. how to use locators, inspectors etc... Apart from this, he also showed how selenium applications can be tested across different browsers and operating systems. The hands-on session was conducted for two hours. The first hour was the theoretical aspect when the expert introduced software testing and its importance in automation.

The students found this session a bit interesting and useful since they are learning this for the first time in their MCA course. The best thing was the students were very interactive and also answered many questions put across by the expert. The hands-on workshop provided an in depth introduction to software testing through selenium. Several questions the students had in their mind about software testing were answered.

Synonyms		Antonyms	
Barren	Desolate	Barren	Fertile
Barrier	Obstacle	Barrier	Link
Base	Coarse	Base	Noble
Batty	Insane	Batty	Sane
Bawdy	Erotic	Bawdy	Decent
Befogged	Becloud	Befogged	Uncloud
Benevolent	Generous	Benevolent	Miserly

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

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