# NEW HORIZON COLLEGE OF ENGINEERING

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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

Volume No.:6, Issue No.: 1                                    January 2022

## Message from Head,

Welcome to the 2021-2022 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**
Professor & Head - 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.

**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 mold 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.

## EXHIBITION: ONLINE PROJECT EXHIBITION `21

An Online Project Exhibition was conducted by the Department of MCA on 5th August 2021. The Department always encourages and gives high priority for student innovative projects every time. Further, the department also encourages to get into good projects that give societal value. Project Exhibition'21 provided an opportunity for the students to present their project ideas and showcase their inherent talents. This event created a lot of interest among the student community to start working on more such good projects as an extension of earlier projects and also start working on new ideas and innovations.



## FACULTY DEVELOPMENT PROGRAM: REFRAMING CO's & PO's IN ALIGNMENT WITH NEP 2020

The department of NHQASDC, NHCE organized a Faculty Development program on Reframing CO's & PO's in alignment with NEP 2020 on 28th September 2021. The external speaker for this event was Dr. Anala, Professor, Department of Information Science and Engineering, RV College of Engineering, Bengaluru. Dr. K.G.

Madhwaraj, Professor and Mr. M. Govindaraj, Senior Assistant Professor attended this workshop. The resource person initiated the session with the importance of Outcome-Based Education (OBE) and how to achieve the OBE through various programs. The expert highlighted the importance of Assessment, Evaluation techniques, and how to deliver the content and the continuous improvement to achieve the CO-PO attainment.



Dr. Anala threw light on Program Educational Objective (PEO) and mentioned that a department can easily get identified from the PEOs. She gave an insight on Program Outcomes (PO's) which are defined by National Board of Accreditation (NBA), Program Specific Outcomes (PSOs) which are defined by the respective department and Course Outcomes (COs) which are more specific to a particular course. She also highlighted that minimum number of COs to be set for each module.

Further, she delivered a thorough discussion on how to make the rubrics for lab paper, project evaluation, mini-project etc..., in detail which included the creation of the Course Articulation Matrix (CAM) and Program Articulation Matrix (PAM) in detail. The session was very interactive and informative and all faculty enjoyed the session.

## INDUSTRIAL VISIT TO IBM: DESIGN THINKING

An industrial visit to IBM was conducted to discuss and understand on "Design Thinking" from Latha Raj, Program Director & Global Technical Eminence Leader from IBM Cloud & Cognitive Solutions. The speaker emphasized on the importance of Design Thinking and how it plays an important role in coming up with effective results in the organization. The Industrial visit provided insights on how design thinking works in various organizations also on the role of designing approach.



## YUKTHI V7.0: STUDENT TECHNICAL SYMPOSIUM

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

Yukthi V7.0 gave an opportunity to advocate their innovative ideas in a wonderful student's forum. The process of making a student research-savvy should be the priority today and very much vital to the UG/PG students of computer applications. The students presented their project ideas in their field of interest. The Symposium gave an opportunity for the students to present their ideas in the field of computer Applications and helped them to face questions by faculty members and answer them to the best of their abilities. It also helped them to explore new technologies.

## EXPERT LECTURE: EXPLORING DSA USING KOTLIN

Expert talk on "Exploring Data Structures & Algorithms using Kotlin" which was conducted by Ms. Snehalata Vajjaramatti. This program was hosted by Department of MCA, NHCE. The talk gave the brief and clear explanation of Data Structures & Algorithms like Searching and Sorting. The demo was given for live examples by using the Searching and sorting which were discussed and explained. The example was very useful and gave an idea of how the students can easily create their own projects using few concepts in Kotlin.

The speaker of the session gave a brief idea of various algorithms and its implementation in Kotlin. The session was very effective and helped students to grab more knowledge in Kotlin and the functioning of it with various algorithms. It will definitely be helpful for their future projects

## PLACEMENT TRAINING: ACQUIRING CODING SKILLS USING OOPS

A Hands-on placement training was conducted on "Acquiring coding skills using OOPs" by Mr. Mohammed Yasin Harun who is an Associate Senior Software Engineer in Cerner Corporation and Mr. Ankit Kumar, Software Engineer in Cerner Corporation Bangalore. The main objective of this hands-on workshop was to understand problem solving approach, to learn the logic building skills and to enhance the programming skills. This workshop was held for six days which gave great exposure to students in terms on learning and understanding coding and problem-solving techniques.
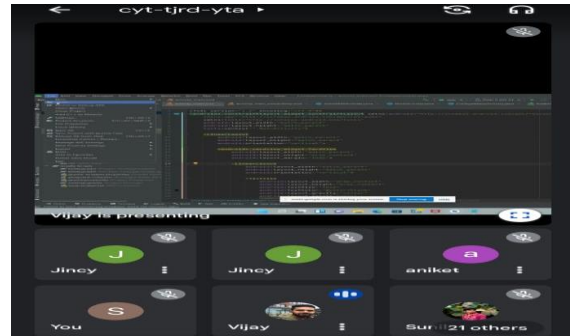


## EXPERT LECTURE: ADVANCED ANDROID APPLICATION DEPLOYMENT

An expert lecture on "Advanced Android Application Deployment" was conducted by Mr. Vijay S. This was an hands-on session, concepts and methods were explained for sending and receiving an SMS. He also explained how to add the map View to our application. Later he explained how to publish our Android application on the Google Play Store step by step. All this was explained by sharing the screen and codes. Whenever an error was encountered the reason for the error and the explanation to rectify it was also shared.

The session was very effective and helped in understanding how to send and receive SMS along with the working of Maps in our Android application and also how to publish our application on the Google Play Store.
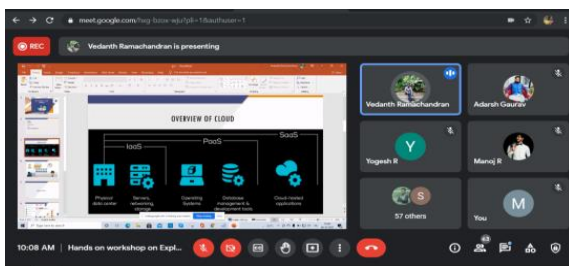


## HANDS-ON WORKSHOP: DATA ANALYTICS – ELASTIC MAP REDUCE IN AWS

The Department of MCA, New Horizon College of Engineering conducted hands-on workshop on "Data Analytics: Elastic MapReduce in AWS ". Dr. S. Jagannatha, the resource person for the session gave an overview of Amazon Web Services (AWS). Dr. S. Jagannatha demonstrated on steps to set virtual private cloud on AWS and to launch an instance. By the end of the session students were able to setup virtual private cloud on AWS, and launch Amazon EC2 Linux instances and install Lamp server and run PHP code. They were also able to demonstrate elastic map reduce on Data Analytics. It was a great learning for students.

## HANDS-ON WORKSHOP: EXPLORING AMAZON WEB SERVICES

A hands-on session on "Exploring Amazon Web Services (AWS)" was conducted by Mr. Vedanth Ramachandran. He started the session with the overview of cloud and discussed the types of cloud computing services. He demonstrated the working of AWS and showed the steps to create an account in AWS. He also explained how to create instances on EC2 and the its working. Mr. Vedanth gave an insight on Google Cloud. He answered the queries from the student. He said that there are plenty of opportunities in the Cloud Domain and there is lot of scope in this field. By the end of the session students were able to understand the working of cloud architecture, AWS and Google Cloud, importance of AWS and how to create instances in EC2.It was a wonderful session with lot of leaning involved.



## Synonyms

| | |
|---|---|
| Colloquy | Debate |
| Campanile | Tower |
| Bamboozle | Mislead |
| Quip | Joke |
| Sully | Tarnish |
| Voluble | Talkative |
| Smarmy | Smooth |

## Antonyms

| | |
|---|---|
| Mettle | Weakness |
| Adroit | Clumsy |
| Opine | Disbelieve |
| Odious | Charming |
| Embellish | Harm |
| Gossamer | Serious |
| Galvanize | Demotivate |

### 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