



RAPID-SHARE

"A Knowledge Granary"

Newsletter from Department of Master of Computer Applications | Volume No.: 8, Issue No.: 2
May 2024 - September 2024



Message from HoD,

Welcome to the May 2024 - September 2024 edition of RAPID-SHARE. This exciting edition showcases events organized in the Department of MCA. Few glimpses are highlighted here on our students' participation at department level activities and co-curricular activities.

Dr. Asha V
Professor & Head -MCA,NHCE

MESSAGE FROM EDITOR

The RAPID-SHARE newsletter is an initiative by the MCA department to foster connections among our students. It is designed for all students, with a focus on promoting unity and integrity within our community. Through this newsletter, we aim to provide opportunities for learning, sharing experiences, and showcasing expertise.

Why Rapid - Share?

The Rapid-Share Newsletter is published at the end of each semester to showcase current trends in ICT, featuring contributions from staff, students, and alumni, as well as various activities of our MCA department. It aims to ignite young minds with a wealth of knowledge.



Stay connected with

Dr. Asha V
Editor in Chief, Professor & Head - MCA, NHCE

Dr. N S Sukanya
Co-Editor, Sr. Asst. Professor, MCA

Student Co-Editor
Shajeeth A S, I Year MCA

Department of Master of Computer Applications,
New Horizon College of Engineering.

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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.

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.

VISION OF MCA DEPARTMENT

To emerge as a department of eminence in the field of Computer Applications in serving the Information Technology Industry and the nation by empowering students with a high degree of technical, managerial and practical competence.

QUALITY POLICY O MCA DEPARTMENT

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To provide services of the highest quality both curricular and co-curricular, so that our students can integrate their skills and serve the industry and society equally well at the global level.

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 their involvement in the design of 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.

MISSION OF MCA DEPARTMENT

- To strengthen the theoretical, practical and ethical aspects of the learning while inculcating a culture of research, innovation and practical applications amongst faculty and students.

To encourage long-term interactions between

- the department and the IT Industry through rich involvement of the Industry in the design of the curriculum and its hands-on implementation.

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

MAY

WORKSHOP

TITLE - OS PERSPECTIVE FOR FULL STACK DEVELOPMENT
 DEPARTMENT - MCA
 DATE - MAY 4, 2023
 TIME - 11 AM
 BENEFICIARY - I SEM MCA STUDENTS

DESCRIPTION

The workshop on " OS Perspective for Full Stack Development" was led by Mrinal Sharma who has expertise in React, Node. js, and Express. The session aimed at deepening understanding of students on how operating systems influence full stack applications. Around 56 students attended the session. The workshop covered key OS concepts such as process management, memory allocation, for systems, and networking, all of which are vital for optimizing application performance and scalability. Students learnt how the OS manages processes, threads, and memory, and how these affect web servers and application performance. By gaining insight into OS tools, system calls, and CLI commands, participants enhanced their knowledge on resource management, troubleshooting, and overall application stability.



CELEBRATION ACTIVITY

TITLE - QUIZ COMPETITION ON ACCOUNT OF WORLD CREATIVITY AND INNOVATION DAY
 DEPARTMENT - MCA
 DATE - MAY 6, 2024
 TIME - 2 PM - 3 PM
 BENEFICIARY - I SEM MCA STUDENTS

DESCRIPTION

Objective of this event was to celebrate World Creativity and Innovation Day which is observed on April 21st of every year to raise awareness about the importance of creativity and innovation in solving global problems. The day aims to promote the use of creative thinking in businesses, governments, and other organizations to foster innovation and growth. Quiz competition was organized, which helped the students in creating interest towards serving the society through innovations. The team of Kiran R and Manoj S from first semester MCA won the quiz competition with the highest score.

GUEST LECTURE

TITLE - CREATING ANDROID APPLICATIONS
 DEPARTMENT - MCA
 DATE - MAY 17, 2024
 TIME - 9:30 AM - 10:30 AM
 BENEFICIARY - I SEM MCA STUDENTS

DESCRIPTION

The objective of the guest lecture on "Creating Android Applications" was to introduce tools and technologies for Android Development. Ms. P. Manasa, Consultant with Gen Pact, Bengaluru addressed the students and covered topics on fundamentals of Android OS, setting up the development environment and benefits of using Kotlin over java in Android development. In addition to covering the basic concepts, the resource person also demonstrated the creation of a simple Android Application. Around 150 students attended and benefitted from the session.



Department of Master of Computer Applications
 Organizes

Expert Talk on **BIG DATA & MACHINE LEARNING INTEGRATION**

Resource Person
Ms. Fahreen Farhath
 Prinston Smart Engineers

21st May 2024 | B308
 11 AM to 12 PM | MCA Students – IV Semester

Faculty Coordinator: **Prof. Jincy C Mathew**, Sr. Assistant Professor, MCA
 Convener: **Dr. V Asha**, Professor & Head, MCA



EXPERT TALK

TITLE - BIG DATA AND MACHINE LEARNING INTEGRATION
 DEPARTMENT - MCA
 DATE - MAY 21, 2024
 TIME - 11 AM - 12 PM
 BENEFICIARY - IV SEM MCA STUDENTS

DESCRIPTION

Ms. Fahreen Farhath from Prinston Smart Engineers, Bengaluru, rendered an Expert Talk on "Big Data and Machine Learning Integration" that focused on machine learning fundamentals, algorithms, and applications across industries like healthcare, finance, and manufacturing. Around 50 students attended the session. The session highlighted how machine learning drives innovation and improves decision-making by solving complex problems. Participants learned about various machine learning models and their real-world applications, how to select and apply appropriate models for different challenges. The talk also addressed ethical concerns, such as bias, privacy, and transparency, emphasizing the importance of responsible deployment. By the end of the session, participants were equipped with the knowledge to leverage machine learning for data-driven decisions and enhance processes in respective domains.

JULY

SOCIAL OUTREACH PROGRAM

TITLE - DIGITAL DREAMS: A SOCIAL AND TECHNICAL OUTREACH PROGRAM

DEPARTMENT - MCA

DATE - JUL 9, 2024

TIME - 10 AM - 1 PM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

On 9th July 2024, students from the Department of MCA, New Horizon College of Engineering, visited Government Higher Primary School in Ibbaluru, Bangalore, as part of a social outreach program. The visit aimed to engage children from 1st to 7th standard, providing emotional support and introducing them to the basics of computers and programming. The MCA students taught fundamental concepts of HTML that covered coding exercises with basic operations. They also organized fun activities such as drawing, charades, and mimicry to foster interaction. The initiative, supported by the school management, aimed to inspire the children to pursue careers in computer technology.



SOCIAL AND TECHNICAL OUTREACH PROGRAM

DEPARTMENT - MCA
DATE - JUL 9, 2024

TIME - 10 AM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

On 9th July 2024, MCA students from New Horizon College of Engineering visited the Government Higher Primary School in Ibbaluru, Bangalore, as part of a social outreach program. The visit aimed to engage children from 1st to 7th standard by introducing them to the fundamentals of computers and basics of programming. Alongside providing technical knowledge, the students organized fun activities like games and painting to foster creativity and teamwork. The event concluded with a tour of the school, and the children were encouraged to pursue careers in computer technology.

EXPERT TALK

TITLE - CUSTOMER RELATIONSHIP MANAGEMENT

DEPARTMENT - MCA

DATE - JUL 10, 2024

TIME - 10 AM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

The expert talk was rendered by Mr. Sadashiv Mulawad, Senior Consultant, Synthesis Systems Pvt. Ltd., Bangalore. The session commenced with an introduction to the general concept of CRM, highlighting its importance and the tools and technologies used to develop CRM applications. Session was interactive, with students actively participating and asking questions. A demo of an application was provided using live examples with the Jira tool. The session concluded with discussions on the benefits of CRM in various projects, thereby providing all 60 students with valuable insights and a great learning experience.



Department of Master of Computer Applications

Presents

Guest Lecture on

RECENT TRENDS IN INNOVATIVE DATA ANALYSIS



Resource Person

Ms. Shilpa Rayangouda Patil

HR Analyst – Recruiting Process,
Accenture, Bengaluru

10th July 2024 10 AM to 11 AM

Faculty Coordinator

Prof. Neethu Tressa
Sr. Assistant Professor, MCA

Convenor

Dr. V Asha
Professor & Head, MCA



GUEST LECTURE

TITLE - RECENT TRENDS IN INNOVATIVE DATA ANALYSIS

DEPARTMENT - MCA

DATE - JUL 10, 2024

TIME - 10 AM - 11 AM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

The Guest Lecture by Ms. Shilpa Rayangouda Patil, HR Analyst – Recruiting Process, Accenture, Bengaluru was attended by 56 students from II semester MCA. The session focused on recent trends in innovative data analysis, highlighting the use of advanced techniques like machine learning, artificial intelligence, and big data analytics to extract valuable insights from complex datasets. Methods such as predictive analytics, sentiment analysis, and anomaly detection; improve decision-making by identifying patterns and trends. The integration of visualization tools, like interactive dashboards and real-time data streaming, enhances data accessibility, while AI-driven models and automation accelerate analysis, enabling real-time responses and fostering innovation across industries like healthcare and finance.

GUEST LECTURE

TITLE - INTRODUCTION TO DATABASES AND AZURE DATA FACTORY FUNDAMENTALS

DEPARTMENT - MCA

DATE - JUL 13, 2024

TIME - 10 AM - 12 AM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

The guest lecture on "Introduction to Databases and Azure Data Factory Fundamentals" aimed at providing a foundational understanding of database management and Azure Data Factory. It covered the importance of databases, their types, design principles, basic SQL operations, and how to manage data. The session also introduced Azure Data Factory for cloud-based data orchestration and automation, including practical skills in creating databases, executing SQL queries, and building data pipelines. Around 160 participants gained essential knowledge on tools that can be used to handle data effectively in a data-driven environment.



Department of Master of Computer Applications

Organizes

A Guest Lecture on

**Introduction to Databases and
Azure Data Factory Fundamentals**

📅 13 July 2024 | 10:00 AM - 12:00 PM
📍 Falconry Hall

Resource Person

Sai Geetanjali Sornapudi

Data Engineer
TE Connectivity

Coordinator

Prof. A Kalaivani

Senior Assistant Professor - MCA

Convenor

Dr. V Asha

Professor & Head - MCA



AUGUST

WORKSHOP

TITLE - CONTAINERIZATION AND ORCHESTRATION OF APPLICATIONS

DEPARTMENT - MCA

DATE - AUG 3, 2024

TIME - 10 AM - 1 PM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

Mr. Ankit Kumar, Senior Software Engineer at Oracle Health AI, Bengaluru, led a workshop centered on container technologies and orchestration tools. With extensive experience in Java, Hibernate, Spring boot, and Kubernetes, he provided a comprehensive introduction to containerization, showcasing the deployment of containers using Docker and the management of these containers through Kubernetes. The workshop aimed to equip participants with the skills needed to efficiently deploy, manage, and optimize containerized applications in modern IT infrastructures.

NEW HORIZON COLLEGE OF ENGINEERING
 Department of Master of Computer Applications
 in association with
Computer Society of India - student chapter
 Organizes
 A workshop on
Containerization & Orchestration of Applications

3rd August, 2024 | 10:00 AM
MCA Lab
2nd Semester Students

Faculty Coordinator
Dr. B. Nithya Ramesh
 Associate Professor - MCA

Convener
Dr. V Asha
 Professor & Head - MCA

Mr. Ankit Kumar
 Senior Software Engineer
 Oracle Health & AI

*Bengaluru, KA, India
 Kadubisanahalli, Bengaluru, 560103, KA, India
 Lat: 12.934488, Long: 77.692939
 08/03/2024 11:10 AM GMT+05:30
 Note: Captured by GPS Map Camera*

NEW HORIZON COLLEGE OF ENGINEERING
 Department of Master of Computer Applications
 &
Alumni Association
 Organizes
 An Alumni Talk on
Optimizing Splunk in the Corporate World

Ms. Anitha Cheruvu
 Assistant Consultant
 Tata Consultancy Services
 Alumni Batch: 2008 - 2011

3rd August, 2024 **11:00 AM** **B308**
2nd Semester Students - C Section

Faculty Coordinator
Ms. Jincy C Mathew
 Sr. Assistant Professor - MCA

Convener
Dr. V Asha
 Professor & Head - MCA

*Bengaluru, KA, India
 Kadubisanahalli, Bengaluru, 560103, KA, India
 Lat: 12.934469, Long: 77.692837
 08/03/2024 11:29 AM GMT+05:30
 Note: Captured by GPS Map Camera*

ALUMNI TALK

TITLE - OPTIMIZING SPLUNK IN THE CORPORATE WORLD

DEPARTMENT - MCA

DATE - AUG 3, 2024

TIME - 11 AM - 12 PM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

Alumni Talk on "Optimizing Splunk in the corporate world" focused on enhancing Splunk's efficiency for data analytics, monitoring, and security operations. Key objectives included improving performance and scalability to handle large data volumes and enhancing search efficiency to streamline queries. Cost management strategies were discussed to optimize storage and licensing expenses. The talk also emphasized strengthening security measures to ensure compliance with regulatory standards. Other highlights included better data integration, user training, and advanced analytics to derive deeper insights. Around 50 students attended the session and got an opportunity to interact with the speaker.

EXPERT TALK

TITLE - EXPERT TALK ON ETHICS IN DATA USAGE

DEPARTMENT - MCA

DATE - AUG 3, 2024

TIME - 10 AM - 11 AM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

The expert talk on Ethics in Data Usage by Ms. Sandhya D, Analyst, AXA Global Business Services aimed to provide participants with a comprehensive understanding of ethical principles related to data collection, storage, and sharing. The session emphasized fundamental ethics like fairness, accountability, and transparency, along with best practices for responsible data handling. An overview of legal and regulatory frameworks, such as GDPR and HIPAA, highlighted the importance of compliance with data protection laws. Around 70 students attended and the interactive session allowed them to engage directly with the expert, enhancing their understanding of real-world challenges.

NEW HORIZON COLLEGE OF ENGINEERING
 Department of Master of Computer Applications
 Organizes
Expert Talk on ETHICS IN DATA USAGE

Resource Person
Ms. D Sandhya
 Axa Global Business Services
 Analyst - SaaS application services

3rd August 2024 | **B308**
10:00 AM | **MCA 2nd Sem 'C' Sec**

Faculty Coordinator
Dr. M T V Asumathi
 Associate Professor, MCA

Convenor
Dr. V Asha
 Professor & Head, MCA

Bengaluru, KA, India
 Kadubasanahalli, Bengaluru, 560103, KA, India
 Lat: 12.934527, Long: 77.692797
 08/03/2024 10:01 AM GMT+05:30
 Note: Captured by GPS Map Camera

NEW HORIZON COLLEGE OF ENGINEERING
 REVOLUTIONIZING DEVOPS: HARNESSING THE POWER OF DOCKER | DSA ESSENTIALS AND CRAFTING YOUR RESUME

6 AUG 2 P.M
 @ MCA DEPARTMENT ROOM 1308

VENKATESH
 Software Developer @ JP Morgan Chase & Co

PANDU KUMAR A N
 Software Engineer @ Adtran, ex- intern @adtran, ex- Dsa problems setter-lettern @ iMocha .

FACULTY COORDINATOR
 Prof. J Sathya
 Sr. Asst. Professor

CONVENOR
 Dr. V Asha
 Professor & HoD - MCA

REGISTER HERE

EXPERT TALK

TITLE - DEVOPS, DSA AND RESUME CRAFTING

DEPARTMENT - MCA

DATE - AUG 6, 2024

TIME - 2 PM - 4 PM

BENEFICIARY - II SEM MCA STUDENTS

DESCRIPTION

On 6th August 2024, Department of MCA at New Horizon College of Engineering in collaboration with Foss Club and Automatez, organized a technical talk featuring industry experts Mr. Venkatesh from JP Morgan Chase & Co. and Mr. Pandu Kumar from Adtran. Mr. Venkatesh conducted a session on Dev Ops and Docker, providing insights into their uses, implementation, and hands-on experience with Docker. Mr. Pandu Kumar led a session on Data Structures and Algorithms (DSA) and resume building, offering practical tips for crafting effective resumes. The event concluded with a Q& A session. The session was informative, helping students in their career development.