

NEW HORIZON

COLLEGE OF ENGINEERING



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RAPID-SHARE

"A Knowledge Granary"

A Monthly Newsletter from Department of Master of Computer Applications

Volume No.:3, Issue No.: 2

February 2017

Message from Head,

Welcome to the February 2017 edition of **RAPID-SHARE!**. This exciting edition of February month showcases the MIS Report of February 2017, SAP Next Gen Lab Inaugural, VM Ware IT Academy Inaugural, Webinar, Art of Living, Campus Connect Reports, IoT Devices and Examples, R&D Publications of our Faculty Members, Synonyms and Antonyms.

Dr.V.Ilango

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 aimed at all students with an interest in maintaining unity & integrity and hopefully will be able to learn something new and share their experiences and expertise. Each issue will have a focus, and this issue focuses on the MIS Report of February 2017, SAP Next Gen Lab Inaugural, VM Ware IT Academy Inaugural, Webinar, Art of Living, Campus Connect Reports, IoT Devices and Examples, R&D Publications of our Faculty Members, Synonyms and Antonyms.

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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 via staff, students and aluminates' and various activities of our MCA Department. Igniting the younger minds with Knowledge

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Latest Updates...

eNHanCE'17 – a Mega IT Fest is scheduled on **31st March 2017**.

VISION OF NHCE

To achieve total quality in education and excellent knowledge management through specific, measurable, attainable, relevant, time – bound goals and continuous improvement methods.

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.

GOAL OF NHCE

To adhere to the reputation of being able to channel our human resources and guide the transformation process of every individual's dream into a reality.

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 impart quality education and knowledge, necessary to transform students from novice to professional in the field of IT and ITES with a research-oriented approach

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, as a result of which our students learn to blend technical proficiency and humanity in serving the industry and society equally well at the global level

Computer Ethics

Computer ethics primarily enforces the ethical implementation and use of computing resources. It includes methods and procedures to avoid infringing copyrights, trademarks and the unauthorized distribution of digital content. Computer ethics also entails the behavior and approach of a human operator, workplace ethics and compliance with the ethical standards that surround computer use. The core issues surrounding computer ethics are based on the scenarios arising from the use of the Internet, such as Internet privacy, the publication of copyrighted content and user interaction with websites, software and related services.

Dr.V.Ilango

Professor & Head - MCA

Faculty Publications

1. G.Sabarmathi, Dr.R.Chinnaiyan, " Big Data Analytics For Health Care – A Review " INIT'17 , St.Claret College , Bangalore.
2. G.Sabarmathi,Dr.R.Chinnaiyan," Realiability Evaluation Of Wireless Sensor Networks- A Review", INIT'17 , St.Claret College , Bangalore.
3. B.Nithya,Dr.V.Ilango, Dr.R.Chinnaiyan "Machine Learning Tools,Techniques And Practices In Health Care " , INIT'17 , St.Claret College , Bangalore.

SAP Next Gen Lab, a Centre of Excellence at New Horizon College of Engineering

SAP University Alliances program in collaboration with New Horizon College of Engineering has established Next-gen Lab at the college campus in Bangalore. The Lab was inaugurated by Mr. Rahul Sachdev, Head-University Alliances, SAARC-SAP along with Dr. Mohan Manghnani, Chairman, New Horizon College of Engineering on 13th Feb 2017.

“Students have got ample opportunities to explore SAP technologies and develop their skills to suit contemporary business requirements of SAP Customers & Partners”, says Mr. Sachdev. Dr. Mohan Manghnani, opined that “every student of New Horizon will be skilled engineers when they graduate from the college. New Horizon is bringing industry relevant technologies, tools, and training for its students”. SAP University Alliance is a global program with more than 2900 member institutions in over 100 countries that aims to shape the future of higher education. The program exposes students and faculty to the latest SAP technologies and enables universities and vocational schools to integrate SAP software into their teaching by partnering to build technology skills.

As a member of SAP University Alliance program – New Horizon College of Engineering (NHCE) has access to wealth of resources developed in collaboration with faculty, students and SAP partners and customers across the world.



VMware IT Academy

VMware Software India Pvt Ltd., has established VMWare IT Academy at New Horizon College of Engineering, Bangalore. The Lab was inaugurated on 17th Feb 2017 by Mr. Rajesh Namibiar, Regional Program Manager, VMware IT Academy-APJ along with Dr. Mohan Manghnani, Chairman New Horizon College of Engineering. The team of Experts talked at length to the entire student community of NHCE and shared their invaluable experience on a plethora of technologies which are migrating to cloud and how virtualization can be the most sought after and lucrative career for budding engineers.

As part of this collaboration, VMware IT Academy Program (vITA) is designed to introduce students to VMware technologies and equip them with technical skills needed for the modern IT world. As an IT Academy member, Faculty/ Students will gain access to technology and contents from VMware, which in turn prepare them for the new IT world.



VMware IT Academy Inauguration @ New Horizon College of Engineering

Achievements of Faculties

Prof. Vishwanath C R, Prof. M Govindaraj and Prof. Kavitha S N of MCA department have successfully cleared the “WIPRO Certified Faculty” Assessment. It was a part of TalentNext Assessment held at Wipro campus. Prof. Vishwanath C R has taken highest marks in the entire New Horizon Campus with a score of 89%.

Chronicle On: Proactive Learning From Minds to Souls

Vision: To set up a platform where in the students can go beyond the text books and learn the currently booming and blowing up Technological Concepts via Information and Communication Techniques [ICT], also to create a notion of hands on Learning and online Interaction with the industry Experts.

Purpose: To get adapted into the effective and content based learning through head to head interaction with the Content based Resource Persons and to get equipped with the latest technical concepts, this can create a positive impact in content understanding that will result in blooming up the concepts in depth from the root.

Insights: Webinar was hosted by the Department of MCA with the intent to create a atmosphere where in the Students were allowed to have n peer to peer conversation and interaction with the industry experts over the Hot Concept **“BIG DATA ANALYTICS”**.

Moments:

Build#01: The Event Was a **“Webinar”** Hosted over the MCA Department Library on 8th Feb 2017.

Build#02: The Session was Organized Based on the Topic **“BIG DATA ANALYTICS”**.

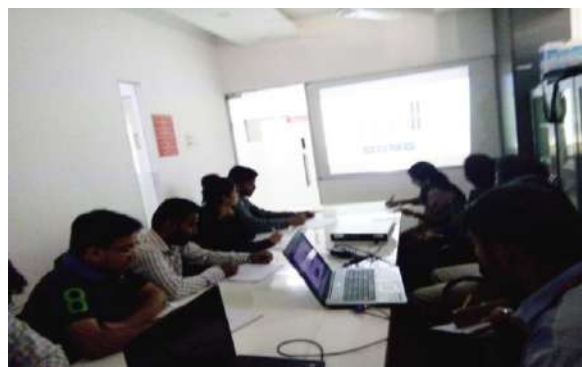
Build#03: There were 15 Students who were part of the session along with 3 Faculties.

Build#04: The Duration of the Event Was **60-Minutes** with the time from **9:00 AM to 10:00AM IST**.

Build#05: The Students were allowed to post questions based on the concepts.

Build#06: Instant solutions to those questions were rendered by the resource person.

Build#07: All the Students over there had a positive vibe as they indulged in Conversation.



Upshot: The Webinar was a constructive attempt by the Department of MCA to develop ICT based learning strategy as the student had a new and creative learning experience. We do request the Department to host more sessions on the Latest Trends in near future.

Student Coordinators

Mr. Nadeem Akram
Mr. Abdul Afsar Baig
4th Semester MCA

Faculty Coordinator

Ms. B Nithya Ramesh,
Senior Assistant Professor,
MCA, NHCE

Tips to improve your Memory

1. Stay mentally active

Just as physical activity helps keep your body in shape, mentally stimulating activities help keep your brain in shape — and might keep memory loss at bay. Do crossword puzzles. Play bridge. Take alternate routes when driving. Learn to play a musical instrument. Volunteer at a local school or community organization.

2. Socialize regularly

Social interaction helps ward off depression and stress, both of which can contribute to memory loss. Look for opportunities to get together with loved ones, friends and others — especially if you live alone.

3. Get organized

You're more likely to forget things if your home is cluttered and your notes are in disarray. Jot down tasks, appointments and other events in a special notebook, calendar or electronic planner. You might even repeat each entry out loud as you jot it down to help cement it in your memory. Keep to-do lists current and check off items you've completed. Set aside a place for your wallet, keys and other essentials. Limit distractions and don't do too many things at once. If you focus on the information that you're trying to retain, you'll be more likely to recall it later. It might also help to connect what you're trying to retain to a favorite song or another familiar concept.



4. Sleep well

Sleep plays an important role in helping you consolidate your memories, so you can recall them down the road. Make getting enough sleep a priority. Most adults need seven to nine hours of sleep a day.

5. Eat a healthy diet

A healthy diet might be as good for your brain as it is for your heart. Eat fruits, vegetables and whole grains. Choose low-fat protein sources, such as fish, lean meat and skinless poultry. What you drink counts, too. Too much alcohol can lead to confusion and memory loss.

6. Include physical activity in your daily routine

Physical activity increases blood flow to your whole body, including your brain. This might help keep your memory sharp.

For most healthy adults, the Department of Health and Human Services recommends at least 150 minutes a week of moderate aerobic activity, such as brisk walking, or 75 minutes a week of vigorous aerobic activity, such as jogging — preferably spread throughout the week. If you don't have time for a full workout, squeeze in a few 10-minute walks throughout the day.

7. Manage chronic conditions

Follow your doctor's treatment recommendations for any chronic conditions, such as depression, high blood pressure, high cholesterol, diabetes, and kidney or thyroid problems. The better you take care of yourself, the better your memory is likely to be. In addition, review your medications with your doctor regularly. Various medications can affect memory.

Ms. Reena M,
4th Semester MCA

The Art of Living

To Live a life and cherish every moment..each sentence in the following excerpt, is a piece of wisdom, which we should strive to live by..it is an ART, an ART OF LIVING.

Wisdom enriches one's higher intelligence. Intelligence is the spectrum of widened knowledge of unique experience, knowledge of experience strengthens our inner freedom. Freedom envisages and equips true empowerment. Self empowerment is the gateway to liberty. Liberty leads to eternal happiness. Happiness is derived from a mental status and becomes a super driving force. It ushers the spirit to enjoy the will to feel and nourish potential energy. This power of energy destroys all vices from our hearts and minds. Real bondage of vice lies in one's own weakness. Weakness kills the precious life. Life is the greatest gift given by God. Life becomes purposefully meaningful based on noble principles when it is shared and given out in the form of very best, and for a realistic transformation.

So, adopt a simple gesture of the Art of Living.....Let it be.....an attitude with a spirit of gratitude towards others and yourself...

Ms. SWETHA NAGARAJ

2nd Semester MCA

Campus Connect

Intent: To set an ecosystem which governs the control over the process of incorporating the essentials up to enough level to land every soul of new horizon into his/her dream corporation, it ensures that the new horizonites are technically sound in problem solving and decision making process.

Objective: To clear the contradictory path between the campus arena to the corporate atmosphere, allow students to go beyond the books and find ways to understand, analyse the given problem also to device methods which leads to fast access to solutions with great accuracy, raising the logic reachability of the students to find the productive solutions for real time test cases.

Motivation: The present instance is an attempt to sum up the activity being hosted in New Horizon College of Engineering under the department of Computer Applications titled "**Campus to corporate**", where in all the essentials required for a new horizonite to enter into the corporate atmosphere is being packaged under a single activity.

WorkFlow:

1. The event titled "**Campus to corporate**" is being hosted in new horizon college of engineering under the department of MCA for MCA and M tech students.
2. This is a weekly event comprising of 2 sessions of 2 hour on 2 days of every week .

3. Each session has a well-defined concept such as problem solving, decision making etc.

4. The major concepts evolve aptitude, reasoning, verbal communication, soft skills, presentation tactics.

5. Every comprises a well experienced corporate trainer from the consultancy termed "ethnus"

6. Every session houses nearly 70 students comprising of both MCA and M.tech Students per section a total of which forms nearly 210 students.

7. The jovial nature of the trainer enables each and every individual to interact with the trainer and understand the concepts in a much simpler and productive manner.

6. During the month of February 2017 a total 8 sessional of 2 hours each was hosted.

7. Concepts such as :Time speed and distance, average mixtures Allegations, blood relations and directions etc were covered.

8. Career building skills are being put forth to raise the relevance of knowledge to survive over the IT atmosphere..

Culmination: The management at New Horizon College of Engineering is very particular about connecting the students to the high end platform of corporate world, also the dedicated team of training and placement department are leaving no stone unturned to bridge the loop hole between the industry and institution.

Mr. Nadeem Akram, 4th Semester MCA

Smart Pollution monitoring in Vehicles

Vehicles are the one of the major cause of air pollution in any city. A vehicle which is not maintained properly will cause more pollution. Heavy vehicles contribute more in air pollution.

- We can set a sensor in the vehicle to monitor its pollution level.
- The sensor will collect the data and send it to the mobile app and then to cloud for analysis purpose.
- After that the pollution level will be checked and shown to rider.
- If the pollution level will be more than the accepted level then that will be notified to the rider.
- After getting this notification he/she has to schedule a time to nearest smart service station established for this purpose only to get it fixed.
- There will be service station for tuning the parts and making adjustments in vehicle to control the pollution level.
- The vehicle will be bring to the service station.
- Pollution level will be again measured with more precision for accurate tuning.
- The problem will be found and if there will be any failure in any minor part then it will be replaced.
- In case if only cleaning or changing the filters (Air filter and oil filter) will do the job then that will be done.
- The sensor can be made to detect the engine status also, like measuring the engine oil level for finding the next expected service time.
- The app will keep reminding for these jobs until it is done.
- In case on consistent ignorance, the data for the vehicle will be collected for cloud and appropriate action will be taken. That can be charging some fine etc.
- This will save the time and effort for getting pollution certificate and stop forgeries in making a wrong pollution report.
- Some people do not go pollution certificate and use the vehicle without that. This will help those people also.

Mr. Avi Goyal, 4th Sem MCA

Internet of Things Devices & Examples

1. **Amazon Echo - Smart Home:** The Amazon Echo works through its voice assistant, Alexa, which users can talk to in order to perform a variety of functions. Users can tell Alexa to play music, provide a weather report, get sports scores, order an Uber, and more.
2. **Fitbit One - Wearables:** The Fitbit One tracks your steps, floors climbed, calories burned, and sleep quality. The device also wirelessly syncs with computers and smartphones in order to transmit your fitness data in understandable charts to monitor your progress.
3. **Barcelona - Smart Cities:** The Spanish city is one of the foremost smart cities in the world after it implemented several IoT initiatives that have helped enhance smart parking and the environment.
4. **AT&T - Connected Car:** AT&T added 1.3 million cars to its network in the second quarter of 2016, bringing the total number of cars it connects to 9.5 million. Drivers don't have to subscribe or pay a monthly fee for data in order for AT&T to count them as subscribers.

Dr.R.Chinnaiyan, Professor-MCA

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 for internal circulation only.

SYNONYMS

fantastic	great, brilliant
to float	to drift
fool	idiot
foolish	silly
forehead	brow
to foretell	to predict
formerly	previously
fortunate	lucky
foxy	cunning
foyer	lobby

ANTONYMS

brave -	cowardly
build -	destroy
bold -	meeek, timid
borrow -	lend
bound -	unbound, free
boundless -	limited
bright -	dim, dull
brighten -	fade
broad -	narrow