

NHCE Admissions Open for B.E, M.Tech, MBA, MCA 2017-18

“Khushi”-International Women’s Day Celebrations

The International women’s day event was given the name ‘KHUSHI’, as the event intended to bring together all the women from the campus and celebrate women’s efforts and importance in our lives. The event was conducted with the collaboration of extra-curricular clubs namely The Art Club, Lit club, Adventure club, Socio-political club, Media club, Music club, Photography club and the Fashion club. The event was held on 8th march 2017 in the Auditorium at 12:00 pm. The decorations for the event were made by the Art club members Ankita, Kavya, Greeshma and Varshini under the guidance of the Art Club president Priya Pai. The decorations depicted the stages of a women’s life and her growth along with balloons and various craft work. Varieties of performances took place in the event like solo dance, group signing,

solo singing , group dance, Magic performance, Live Painting, ramp walk and stand up comedy. Outside the library number of event based artworks made by students were displayed on the board. In addition to it, an Instagram photo booth was installed so that people could take photos. Various food stalls were put up in the campus. We had DJ Esha playing in the jukebox at the outdoor basketball court at 3:00 pm. The whole crowd seemed energetic and having fun dancing on the music. The event seemed to be a huge success everyone enjoyed and relaxed especially the women. We saw glimpse of massive talents in the performances. This was the day were all the club’s worked together showing unity and team work, thus making this event possible a great success.



BOOK EXHIBITION @ NHCE



Library and Information Center had organized two-day book exhibition on 6th and 7th March 2017. The reputed publishers were displaying their books. All the department faculty members and students had visited book exhibition and also recommended books for the library.

“Quote Hanger”



“Not all of us can do great things. But we can do small things with great love.”

Mother Teresa

eNHanCE'17- a Mega IT Fest by MCA, NHCE



eNHanCE is a flagship event held to provide an opportunity for the students to showcase their talents/skills, since 2012. The overall intent of eNHanCE is to set up an eco-system which enables the candidates from reputed colleges to engage themselves in intellectually challenging events and also complete in various cultural events and to provide a platform for the youth of the community who are techno-savvy students to showcase their hidden talents, which can justify the role of being among the best and qualified professionals in the various fields available to them. Competition is something which graces the occasion with an intent to bring the best out of the everyone and to describe what standard and quality means and also to regulate the code of conducts of mastering the technological standards and create awareness to explore the best in the business. The present abstract is an attempt to highlight the glorifying and scintillating moments which took place during the grandeur mega National level IT fest entitled “eNHanCE” with the Tag line “exploring hidden talents”, with an attempt to hunt the best talent in and across the country on technological prospects.



In order to encourage creative thinking hosted by the department of MCA eNHanCE 17 went down to the floors on 31st march 2017. There were a handful of mind boggling technical events planned such as:

- **IT Manager:** IT manager is an event conducted to help the students face a situation similar to a tough interview. Constructive criticism is also provided as a feedback to inform them of the aspects that have to be improved.
- **Tech-Traffic:** Tech-Traffic helps the students improve on their speaking skills and provides an opportunity to better handle being in the spotlight.
- **Tech-Worms:** Tech-Worms is a quiz competition that tests the knowledge of the students along with logical thinking and adaptability.
- **Netizen:** Netizen is a web development competition which tests the web aptitude of the students as well as their skill on how efficiently they are able to develop a basic web design.
- **Crackathon:** Crackathon is a coding event in which the coding skills and aptitude in various programming languages are put to the test.

In order to retain the cultural and sporting reverence a couple of events were in action to get the best out of sporting professionals:

- **Quick Fingers:** Quick Fingers is a gaming event held which included a team

game which helps the students learn about working together to achieve a certain goal.

- **LOST Hunt:** Lost Hunt is a race to be the first to decipher all the clues and find the treasure. This event tests the ingenuity and out of the box thinking of the students.
- **Dance-It-Out:** Dance-It-Out is an event which provides an opportunity for the students to relax and enjoy themselves doing something they love to do.
- **Mock-Rock:** The motive of this event is to allow to the students to show their creativity by asking them to make a choreography to a song to make a parody.
- **Gally Cricket:** Gally Cricket is a sporting event held to just let loose and help the students remember their childhood to let loose and relive stress.

In order to have a professional tie up with the student community and institution a set of publicity stunts were planned and initiated by the eNHanCE'17 core committee and associates.

On 27th March 2017, there was a rally taken out during the lunch break by the students, encircling the whole campus twice while carrying the posters of eNHanCE, one student's face was painted white and used a canvas to enthusiastically promote the IT fest hosted by the department of MCA “eNHanCE'17”.

On 30th March 2017, the students got together at 4:00 PM and performed a Flash Mob to further promote the prestigious fest eNHanCE'17. Both of the promotional strategies were a huge contributing factor to the grand success of eNHanCE'17.



The event “eNHanCE'17” began at 9:35 AM with the arrival of Mr. Mandar R Mutalikdesai, who is a Cognitive Computer Scientist and a Senior Managing Consultant at IBM (Chief Guest) and the students singing the invocation song followed by the Lighting of the Lamp, after which there was a welcome address given by Dr.V Ilango, HOD-MCA, following which there was a Motivational speech given by Dr. Manjunatha, Principal NHCE, then there was an intellectual seminar given by Mr. Mandar R Mutalikdesai. The events were then started. eNHanCE was graced with the presence of students from various colleges notably from PES University, Kristu Jayanti College, Dayananda Sagar College, M.S Ramaiah College, R V College, Baldwin's college, Garden City University, Indian Academy College, Indo-Asian College, CMR IT, Al-Ameen Institute of Information Science. Participants were also from New Horizon College and various departments of New Horizon Engineering College. This year eNHanCE'17 has gained great success and fame among various colleges in Karnataka as well as numerous colleges in various states. Next Year we plan on increasing the reach of eNHanCE a lot more and make it an even more successful intercollegiate fest by introducing various new events to allow the students to compete as well as have a good time participating in the various events. During the Valedictory function Overall Championship for winners trophy was handed over to PES University and the runners were New Horizon College- Marthahalli. Vote of thanks was given by Prof. Krishnachandra M, Convener of eNHanCE'17.

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

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.

Mrs. Kavitha S.N.
Asst. Professor-MCA

Quantitative Aptitude #15

1. It was calculated that 75 men could complete a piece of work in 20 days. When work was scheduled to commence, it was found necessary to send 25 men to another project. How much longer will it take to complete the work?

Answer:

30 days.

Explanation:

Before:

One day work = $1 / 20$

One man's one day work = $1 / (20 * 75)$

Now:

No. Of workers = 50

One day work = $50 * 1 / (20 * 75)$

The total no. of days required to complete the work = $(75 * 20) / 50 = 30$

2. A student divided a number by $2/3$ when he required to multiply by $3/2$. Calculate the percentage of error in his result.

Answer:

0 %

Explanation:

Since $3x / 2 = x / (2 / 3)$

3. A dishonest shopkeeper professes to sell pulses at the cost price, but he uses a false weight of 950gm. for a kg. His gain is ...%.

Answer:

5.3 %

Explanation:

He sells 950 grams of pulses and gains 50 grams.

If he sells 100 grams of pulses then he will gain $(50 / 950) * 100 = 5.26$

4. A software engineer has the capability of thinking 100 lines of code in five minutes and can type 100 lines of code in 10 minutes. He takes a break for five minutes after every ten minutes. How many lines of codes will he complete typing after an hour?

Answer:

250 lines of codes

5. A man was engaged on a job for 30 days on the condition that he would get a wage of Rs. 10 for the day he works, but he have to pay a fine of Rs. 2 for each day of his absence. If he gets Rs. 216 at the end, he was absent for work for ... days.

Answer:

7 days

Explanation:

The equation portraying the given problem is:

$10 * x - 2 * (30 - x) = 216$ where x is the number of working days.

Solving this we get $x = 23$

Number of days he was absent was $7 (30-23)$ days.

6. A contractor agreeing to finish a work in 150 days, employed 75 men each working 8 hours daily. After 90 days, only $2/7$ of the work was completed. Increasing the number of men by _____ each working now for 10 hours daily, the work can be completed in time.

Answer:

150 men.

Explanation:

One day's work = $2 / (7 * 90)$

One hour's work = $2 / (7 * 90 * 8)$

One man's work = $2 / (7 * 90 * 8 * 75)$

The remaining work ($5/7$) has to be completed within 60 days, because the total

number of days allotted for the project is 150 days.

So we get the equation

$(2 * 10 * x * 60) / (7 * 90 * 8 * 75) = 5/7$ where x is the number of men

working after the 90th day.

We get $x = 225$

Since we have 75 men already, it is enough to add only 150 men.

Dr.R.Chinnaiyan, Professor /MCA-NHCE

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

Cloud Computing - An Industry Expert Lecture



Objective: The intention of the Expert lecture is to create a setoff which would allow the young New Horizonites to get equipped with the latest know-how in the field of Cloud Computing.

Course Coordinator- Prof. A.P. Nirmala introduced the Industry Expert- Mr. Sharath M, Senior Consultant, Suventure Service Pvt Ltd., on 21.03.17. He has begun the session by giving the benefits of cloud computing.

Highlights: Mr. Sharath M. has given an idea about cloud vendors as major players in the market: Amazon Web Services (AWS) stands in the 1st place, Microsoft Azure including the most number of datacenters in the 2nd and Google or Salesforce.com in the 3rd place..

He has mentioned the models of cloud i.e. Deployment models (public cloud, private cloud, community cloud, hybrid cloud) & Service models (IaaS, PaaS, SaaS) with examples.

He has given a demonstration and the roadmap on how to create an Azure websites by using 'C#' language with an Azure Search Demo.

He has also elaborated with a working procedure of Google App Engine, Google File Systems, Amazon Simple Storage Service (S3), MapReduce & Hadoop with examples by using NoSQL, Google Cloud SQL, Python and BigTable.

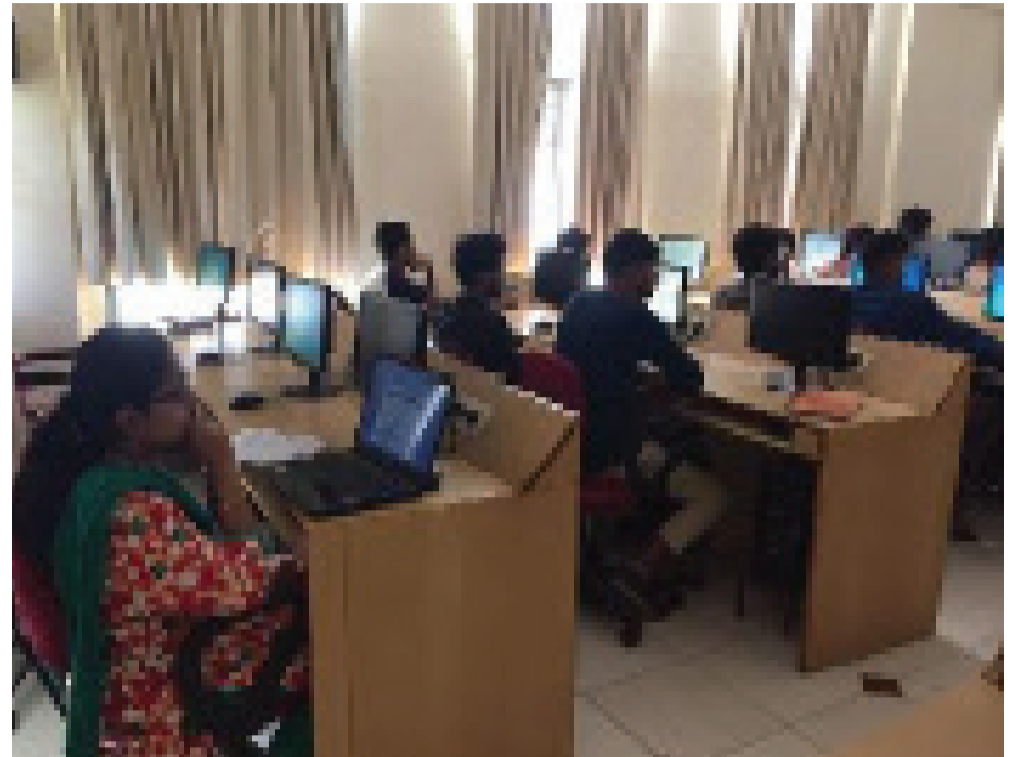
He has shown the programming on Amazon EC2 (Elastic Cloud Computing) which has standard instances, macro instances, high memory instances and CPU instances.

Lastly, he has shown a demo of AWS Simple Monthly Calculator by using public AMI, private AMI & paid AMI.

Conclusion: All the students of 4th semester were actively participated in the session and were benefited by knowing the importance of public

Mrs. A. P. Nirmala, Sr. Asst. Professor -MCA

A Workshop on ANDROBOTS-Delving into Android



A Hands on Workshop on Basics of Android Application development exam was hosted in the MCA department under the FOSS club banner. 2 Resource persons named "Sharath S and Vijay S" working with Suventure were invited to deliver the relevant contents. The Tally of students include a total of 110 out of Sections A, B and C. Prof.Jincy Mathews was Faculty incharge for the event. 3 days comprehensive workshop was Scheduled dated 24th,25th and 28th March 2017. The session was Divided into 2 slots Morning Slot From 9:30AM to 1:00PM and Afternoon slot from 2:00PM to 4:00PM. The session flowed in Across with ease with good synchronization between the Resource person and the Students. Various emerging concepts such as Developing Native App,and SMS integration was discussed in detail. Various networking concepts were dealt in the session which focussed towards developing location based access Application. The Session was one off the knowledge centric session here the ultimate gainers were the students.



Prof. M Govindaraj

Prof. Jincy C. Mathew

Prof. Siddegowda C. J

Nadeem Akram, IV Semester MCA

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