

PG GRADUATION DAY



The PG graduation ceremony 2018 was organized on 6th Oct'2018 to celebrate the convocation of the 2nd Batch of MBA, M.Tech autonomous programmes and first autonomous batch of MCA programme. The Chief Guest of the ceremony was Dr T. G Sitharam, a KSIIDC Chair Professor in the area of Energy and Mechanical Sciences and IISc and Senior Professor at the Department of Civil Engineering, Indian Institute of Science, Bengaluru and Director – South Western Zonal Committee, AICTE. The Guests of Honour for the ceremony were Dr. Jangannavar, Member, Executive Council, VTU and Dr. Nanda, Principal, Bangalore Technological Institute. The Academic Procession commenced from Chatrapati Shivaji Block to Auditorium. The program started with the NaadaGeethe followed by the college song. Later Dr Manjunatha, Principal

NHCE addressed the gathering. The welcome speech was delivered by Dean of Academics, Dr Prashanth CSR. A wonderful talk was presented by Dr T. G Sitharam where he encouraged the students for their career and self-growth.

The rank holders of all the three programmes including overall Topper of PG Programme were awarded for their excellent academic performance. The pledge taking ceremony was completed by Dr Manjunatha, where all the students took pledge to be honest to their profession and contribute for the betterment of the nation. The program ended with the national anthem and a group photograph.



PG INDUCTION PROGRAM



The program began with an invocation song sung by the students of MCA followed by a welcome address by the Dean Academics. Then the chief guest inaugurated the event by lighting the lamp.

The Principal, Dr. Manjunatha, addressed the gathering by telling the importance of academics and the need of today's industry like learning new concepts like Machine Learning, Data Science, Deep Learning etc... He stressed upon the dedication required for achieving the goal and excel in academics.

Later, Dr. Lakshminarayan, Director T & P addressed the gathering. He explained various challenges students have to face in order to become industry ready. He told the importance of being flexible in terms of company requirements in order to get placed. He also stressed upon how company requirements are increasing year by year and how students have to cope up with the competition. He also told how T & P department is coordinating with the students in order to get them placed in

good software companies. He also said that steps were taken for getting international placements too in the campus. The Chief Guest for the function was Mr. Surya Mahapatra, Global Head, Talent Transformation, Wipro DOMP spoke on the importance of discipline and having the mindset to learn new things everyday in their lives. He stressed on the importance of innovation in order to survive in the Industry. Later, the toppers of MCA/MBA/MTECH were given awards for their achievement by the Chief Guest. Most of the parents were present during the occasion. There were around 700 people in count who attended the function including students and their accompanied parents. Finally, the vote of thanks was delivered by the Coordinator followed by the National anthem. After the event, students of respective branches went to their department to attend the bridge course conducted by their respective departments.



Technology and Society@NHCE



Technology and Society on 13th October 2018 for 5th and 3rd students of ISE department at CHANAKYA SEMINAR HALL, NHCE.

The expert speaker, Mr. Ramaseshan, Executive committee member, FSMK (Free Software Movement Karnataka) and FSTN (Free Software Foundation Tamil Nadu), Platform and DevOps Engineer at Atom360, was invited to conduct the seminar. He has 5 years of python and platform engineering experience. Also working as a Project Lead at Project Vidyalaya (A Free Software OS for Educational institutions).

The talk started with topics related to aadhar, Facebook, google gauging a high interest level among the listeners. The speaker discussed about a series of important events regarding freedom in technology and explained how FSMK is bringing a change and fighting for freedom in technology end.



IoT Workshop and IoT Challenge 2019

Internet Of Things workshop and IoT challenge 2019 event was conducted by Department of Information Science and Engineering in collaboration with i3indya Technologies on 25th & 26th of October, 2018. It was a National Level Event On Internet Of Things Challenge where around 100 students took part . The guest and trainer for the session was Mrs. Varalakshmi, Senior Embedded Systems Engineer, i3indya Technologies, Ludhiana.

Dignitaries for the event were Dr. Manjunatha (Principal, NHCE) Dr. C.S.R Prashanth (Dean of Academics, NHCE), Dr R. J Anandhi (HOD-ISE), Ms. Varalakshmi (Speaker, Senior Embedded Systems Engineer, i3Indya Technologies, Delhi)



Inauguration of NOTE (New Horizon Open Source Technology Enthusiasts) Club



Department of Information Science and Engineering have conducted inauguration of NOTE Club on 27th October, 2018 for ISE students at Chanakya Seminar Hall, NHCE.

The program started with the invocation song by the students and was followed by lighting the lamp by the dignitaries: Principal Dr. Manjunatha, Dean of Academics Dr. C.S.R Prashanth, College Club Co-Ordinator Mrs. Clara Kanmani, HOD of ISE Dr. R. J. Anandhi and the Chief Guest Naveen Mudunuru.

NOTE club Logo and website was launched by the Chief guest and the Dean of academics. The Dean of academics presided over the Club president's Oath taking and badge distribution to the core committee of the Club.

Finally, after the inauguration ceremony, the Chief guest Naveen Mudunuru presided over an interactive session with the students giving a brief talk on the Free Software Movement, enlightening on its importance in the industry, how free software has been the key to innovation and advancement in the world of technology and IT industry.

Industrial Visit to VMware Software India Pvt. Ltd

The students of Vth semester of Information Science and Engineering Department visited VMware Software India Pvt. Ltd JP Nagar on Oct 31st, 2018. The main motive of this visit was to provide an insight to the virtual infrastructure with VMware cloud and Virtualization essentials.

Initial session was a talk by Mr. Sachin Kumar, Regional Manager-VMware. He presented a detailed view on cloud computing and the cloud computing tools. He also addressed benefits of cloud computing and the way VMware virtualizes computing. The second session was given by Mr. Mayank, VMware official on VMware technologies.



Industrial Interaction - VMWare Academic Initiatives



The Computer Society of India(CSI) and VMware IT Academy had jointly organized the event to enlighten the process of Virtualization in real world scenarios, and how our college students can be benefited by taking up the free online courses available with VMware. Also how the gap can be filled by IT industry requirements with that of Engineering colleges by integrating and adopting new technologies were discussed and hands-on sessions instead of the legacy chalk and talk sessions. Overall it was a great event, as there were many inputs on how we can make the students industry ready as workforce.

Overseas Education Session

Dept of CSE organized a session on overseas education to all interested students in pursuing higher studies. The session focused on wide variety of options which students can choose. Session was conducted by Global Reach Enterprises.



Entretien – ACE Club

The event was aimed to provide a simulation of a job placement. All the students of the college were allowed to take part in this event; as a result the technical round was not limited to the Computer Science field. Multiple students participated in this three round event. The first round consisted of aptitude questions. The participants had one minute to solve each question and they were given twenty questions. The participants were then asked to solve fifteen technical questions, in round two. Upon calculating the results for both round one and round two, certain participants were eligible to take part in the third round, which was the Group Discussion round.

Workshop on Python for data science and machine learning

Dept of CSE, under the auspices of Computer Society of India, conducted a one day hands-on workshop on *Python for data science and machine learning* for faculty members and students. The workshop was conducted by Mr. Mahadeva Prabhu, Technical Trainer, BeTaught Learning Solutions.

Python is a very powerful programming language used for many different applications. Over time, the huge community around this open source language has created quite a few tools to efficiently work with Python especially for data science projects (e.g. predictions, machine learning, text mining, AI related projects...). Live demo on Python environment (Jupyter Notebook) and libraries such as Pandas and hands-on coding exercises through guided materials (suitable for all beginners), with a focus on data visualisation were the main agenda of the workshop. The prerequisites of the workshop were basic understanding of data and programming and programming experience using Python. The workshop included the following topics :

- Basics of Python: variables, data types, functions
- Basics of Python: loops and if statements
- Analytics-specific Python libraries: numpy, pandas
- Creating your first simple prediction
- Data exploration and visualization & basic statistical analysis
- Making predictions using regression and classification algorithms
- Clustering



“Blank Coding”- ACE club

The main intention of this event was to gather students with an inclination to Computer Science and test them on certain aspects in the discipline. The event was divided into three rounds. The first consisted of a simple crossword puzzle. Participants who obtained a certain score advanced to the second round. For the second round, the participants were randomly paired and asked to work together on a pick and speak activity. Members who did fairly well moved on to the next round which involved using coding skills. The participants were all presented with code snippets and were asked to formulate the output. The event was a huge success among the CSE students.



HR skills - How to handle HR round?

Based on the feedback from recruiters about the performance of our students in improving the HR skills and on request from eligible non-placed students, the department of CSE organized a special session on “HOW TO HANDLE HR ROUND”. The speaker Mr. Ashwin Kumar, senior HR from L&T InfoTech gave a presentation on how to face the HR interview confidently. He highlighted many minute points where students were not aware of it and his session gave lots of confidence to students to face the HR round. He also conducted a MOCK HR round with students.



Workshop on 'Mobile Application Development'



MAD club conducted its first event of the odd semester-2018, the Android App Development Workshop, on 26th of October 2018. The workshop was conducted by Pranav M, a student of Computer Science Engineering, NHCE. He is also the Vice President of the Mobile App Development Club. This was the second time the club organized this workshop after the great hit of our first event. Registration links were sent to the students; within hours of sending the link the seats were full. The idea of Android App Development is booming nowadays and so students of NHCE were very enthusiastic regarding the event.

The first half comprised of Pranav giving an introduction to the students about Android, the tools and software involved in the process of android app development. Then they were explained how to develop a simple ‘Calculator’ application. He taught them about the UI/UX design and gave them a clear picture of how to make the UI interactive. He simultaneously developed the Calculator App with the students so that they do not face any difficulty.

Business ideas & Quiz -Volume II – BIT club

Business & Information Technology (BIT) student Club of BCSE organized an event, where students presented their business ideas in the first round. Next round was how to make their ideas work in reality. Final round was quiz related to IT and business.



IBM Tech Meetup on AI

Dept of CSE took the lead and initiative in organizing the *First IBM Artificial Intelligence Industry Meet up in India at NHCE*. Around 150 participants from industry and NHCE attended the programme. The resource persons were from IBM, H2O and PES group of institutions. This programme will enable our students to take up live projects in the area of Artificial Intelligence. We sincerely thank our Principal and Dean(R&D) for giving us this excellent opportunity to conduct this prestigious event in NHCE and for the first time in India.



Industrial Visit to Dairy day ice cream factory

The College organized an industrial trip for 1st year B.Com students with 3 faculty incharge. The visit was mainly to introduce the factory and factory process. The head unit guided students stage by stage from the raw materials to the finished product. The unit mainly focused on preparation of varieties of ice creams. Their aim is 0% consumer complaint and 100% consumer satisfaction. Students were provided with head caps to cover their head and hair to prevent from hair fall in the production room.



Industrial Visit to ISRO

On 26th October 2018, An Industrial Visit to ISRO was organized by the department of MCA to enhance student's knowledge on advance technology. It was a half day visit by more than 100 students along with 4 faculty members.

ISRO SATELLITE CENTRE (ISAC) is the center of ISRO responsible for design, development, assembly and integration of communication, navigation, remote sensing and satellite missions.

For the benefits of students there is a space exhibition center at ISAC. Students were able to see the exhibition. It includes the models of ARYABHATT, APPLE and INSAT series etc. In the two types of satellites- Remote Sensing and communication satellite, IRS-1A was the first remote sensing mission undertaken by ISRO.

The concept for assembling of satellites was shown to us. Currently scientists were working on 'CHADRAYAAN 2'. A video depicting the moon mission of CHADRAYAAN was also displayed. A working model was demonstrated on the video. Various images of several countries (including India) taken at different angles from the satellites were seen. Different electronic devices used in satellites were explained. And students got to know their own weight on different planets (Mars, Moon, Earth etc.).

OUTCOME:-

At last, Mentor answered many of the doubts which students had about satellite launching. Students also gained knowledge about how television signals are broadcast with the help of satellites. Also the mentor explained the procedure to get job in ISRO.



PIXEL 18

The event “PIXEL’18” was held on 23rd October, from 10 am – 12 pm at the Chanakya Seminar Hall.

Objective:

The agenda of the event was to enhance and sharpen the editing skills of the students and walk them through different tools that our creative world got introduced to.

Outcome:

“Pixel’18” was conducted with a perspective of developing and encouraging students to step into the creative era and to guide them through the tools and applications that are excelling. The main applications which were given focus were ADOBE XD & Premiere Pro. This program was one of our successful events of this year solely conducted by the EDAP club members from Department of MCA, NHCE.

Our department’s agenda has always been to grow parallel with the industry and thereby we have always been successful and fortunate in getting the software industrialists for our events. Likewise, Pixel’18 has been given initiation by the industry professional, creative director and editor, Mr. Jerome Anand. He is an experienced Motion Graphic Artist with a demonstrated history of working in the marketing and advertising industry.

Topics of the session:

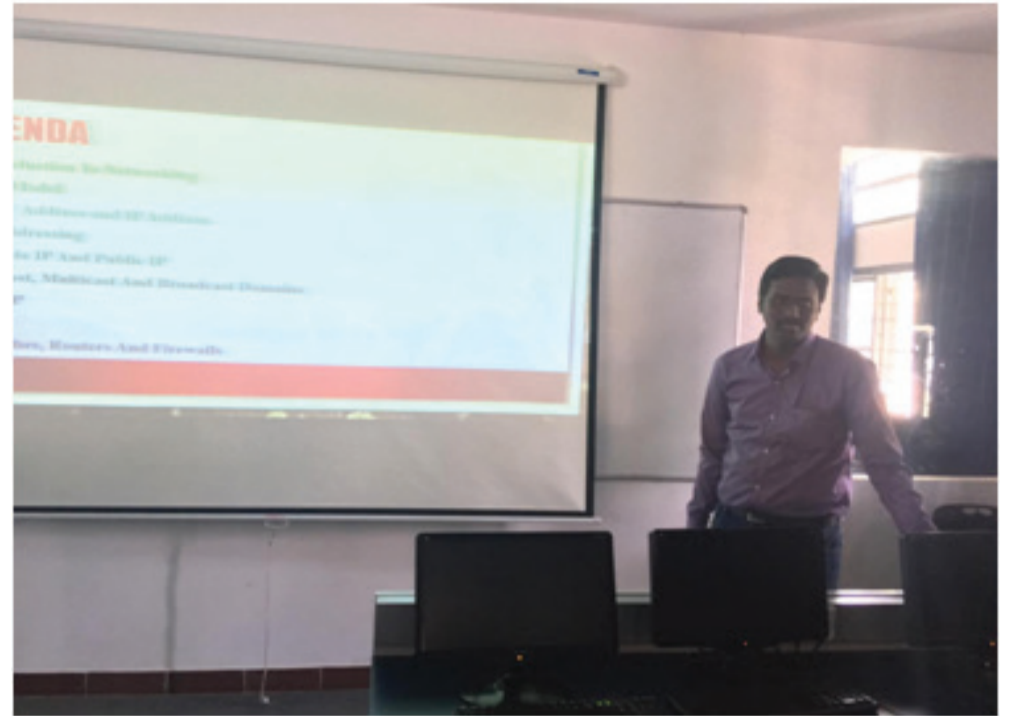
- Adobe XD: Intro & Basics, Design & Prototype:
- Adobe Premier Pro
- 4D Adobe
- Adobe After Effects and the editing tools

Discussions and Interaction with the students were based on the importance of the power up prototypes with voices. The query on the Adobe XD re imagines the way the designers create experience with the fast, intuitive tools that get into the designs, was discussed in the session.

Later in the session we had our speaker of the day, Mr. Jerome, giving detailing on Automatic resize of elements for different screens and recreating the animations between art boards without timelines, were all part of the event.



Workshop on “Networking”



Workshop titled “Networking” was conducted by the person Mr.Vamsi in New horizon college of engineering on 13th October 2018, The session was held over 2 hour where the person presented the introduction and a brief insight into the upcoming technologies and the technologies which are going to play a major role in the upcoming future.

Objectives:

To provide all the Participant’s with an insight into the various upcoming technological trends and advancements in the field of networking.

To provide an opportunity to the students to know about the Placement Opportunities The session was started at 11:00am and continue for 2 hours, ending at 1:00pm.

A computer network can be described as a system of interconnected devices that can communicate using some common standards (called protocols). These devices communicate to exchange resources (e.g. files and printers) and services.

Conclusion: The 2 hours session provided long insight towards networking concepts and real time usage of OSI model and work of different layers. This session have impacted much on students to explore much more on the networks and it was an overall fruitful session and its specially made students realize many aspects of computer networks.



Guest Lecture

A Guest lecture on “DATA WAREHOUSING AND DATA MINING” was organized by the MCA department, NHCE for 2nd year MCA students NHCE.

Objective:

To provide brief knowledge in data warehousing and data mining, discover structure inside unstructured data, discover patterns in apparently random data.

The Guest lecture on data warehousing and data mining which was held on 04-10-2018 at Chanakya seminar hall from 9.00am to 11.00 for the students of MCA 2nd year students. The Speaker for the lecture was Mr. Ravi Chandra who is currently working with datamining from past 7 years. He has a great experience on data warehousing and data mining.



Department of Civil Engg. Seminar on Green-Technology

Seminar was conducted on the subject Green Technology – its significance and relevance. Expert was Mr. K.P. Pradeep Raja Research Scholar / Associate Professor PES University, Bangalore. Expert was explaining on Green technology and its significance. It was conducted for third semester students.



Seminar Scope and Opportunities in Civil Engineering

Seminar was conducted on “Scope and Opportunities in Civil Engineering”. Expert was Mr. S. Hemanth Reddy Chief Executive, M V Institute of Engineering Skills and Partner Madhusiri Engineers and Properties Mr. Kiran Kumar K. L.Sr. Design Engineer Ace group Architects Pvt. Ltd. Experts were explaining on opportunities in Civil Engineering. They mainly focused on Advanced Surveying Technologies and Application of ETABs and STAAD in Civil Engineering. It was conducted for Fifth semester students.



Workshop Brainstorm of Good Practice in Geotechnical Engineering



Workshop was conducted on “Brainstorm of Good Practice in Geotechnical Engineering”. Dr. GL Sivakumar Babu, Professor, Department of Civil Engineering, IISc, Dr. C R

Parthasarathy, Group Chairman and managing director, Sarathy Geotech and Engineering Services Pvt. Ltd, Bangalore. Dr. P V Sivapullaiah, Pro – Vice Chancellor, GITAM University, Bangalore and Former Professor, Department of Civil Engineering, IISc, Bangalore. Dr. L. Govindaraju, Associate Professor, Department of Civil Engineering, UVCE, Bangalore were the eminent resource persons and discussed on how to improve current state of practice, deep foundation, geotechnical testing and earthquake disaster mitigation. It was conducted for seventh semester students mainly for their higher studies.



Guest Lecture

Department of Electrical and Electronics Engineering has organized a guest lecture for fifth semester students on the topic “ELECTRICAL MACHINES” in the course Electrical Machines-II on 09.11.2018. The expert was Mr.K.Guruprasad, Technical lead, Schneider Electric India Pvt Ltd., Bangalore. He explained about the applications of three phase and single phase induction motors, synchronous motors, generators used in industries.



E-Soft Club – Social and Green Outreach Program

As a part of E-Soft Club initiative, EEE department has organized a Social and Green outreach program in association with Green Warrior Cub, at Government Model Primary school, Kudlu, Bangalore on 02.11.2018. The event was coordinated by our faculty members Dr.Sujitha.S, Mr.Singaravelan A and Ms. Roopa C. The club has created awareness in the school by imparting training to school teachers on MS Excel and planting the green plants around the school playground. At the end of the program, the club encouraged and motivated the students by gifting them with geometry boxes.



Bangalore University Intercollegiate Table Tennis Championship 2018-19

New Horizon College Kusturinagar organized Bangalore University Intercollegiate (single zone) Table Tennis men and women Championship and selection process of Table Tennis 2018-19 for men and women which were successfully organized at our college auditorium on 3rd to 5th October 2018. The Competition was inaugurated by Ms.Keerthi Mangnani, Mr. ShashankChander and Dr.Vijay Readdy Principal on 03rd October 2018. Dr.Vijay Readdy Principal distributed the prizes at valedictory function held on 04th October 2018 and also the selection process was held on 5th October 2018.

Around 29 men teams and 9 women teams had participated with immense sports spirit in the competition and the matches were conducted in the 5 tables. Team trophies mementos were awarded to winners and runners teams. Participation certifications were also given to the teams and technical officials of Bangalore District table Tennis association. All the faculty members of the college activity co-operated towards the successful conduct of the championship in the year of 2018-19.

Visit to Janapada loka

As a part of curriculum and fieldwork activity, the young Horizonites were taken out for a visit to Janapada loka.

Janapada loka or “folk world” or “folk-culture world” is folk museum that has an exclusive display of the village folk arts of Karnataka. It is under the aegis of the Karnataka Janapada paraishat. Loka mahal, a wing in the museum has a display of 5000 folk Artifacts. It is situated in Ramanagaradistrict in the Indian state of Karnataka, on the Bangalore-Mysore highway, 53KM to the south of Bangalore. Students enjoyed a lot there as well as they learnt something about Kannada Janapada culture. And finally, Janapada singer Mallanna gave a brief introduction of Janapada Loka and also, he dedicated 4-5 songs for the students. It was a beautiful experience for the students.



“ICON - 2018” A Multidisciplinary International Conference On Innovative & Creative Strategy For Sustainable Growth

New Horizon College, Kasturinagar, organized an International Conference on “INNOVATIVE & CREATIVE STRATEGIES FOR SUSTAINABLE GROWTH”, on 17-10-18, the inaugural ceremony started at 10 a.m. in midst of high profile dignitaries. In the Panel of dignitaries were the Chairman of New Horizon Group of Institutions Dr Mohan Manghnani, Vice Chancellor Dr. T.D. Kemparaju (Bangalore North University), Keynote Speaker Prof Jyoti Sharma (Arhus University, Denmark), Principal Dr Vijaya Reddy (New Horizon College, Kasturinagar) Creating a platform for academicians and practitioners representing the Technological Advancement in computer technologies that are needed to achieve sustainable growth.

We are greatly honored to have a very dynamic and multifaceted personality with high credentials as our chief guest Dr. T.D. Kemparaju Vice Chancellor of Bangalore North University. He holds memberships in Professional Associations like IASLIC,

IATLIS, KALA to mention a few. He has been actively in administrative and academic responsibilities like Chairman – Board of studies 9 years, board of examination 5 years, member of academic council, NAAC and IQAC. Member for staff selection commission, UPSC, KPSC, SLET and the list goes on. Our esteemed Guest and Key note speaker Prof Jyoti Sharma is known for her Teaching Technique and Translation a very enigmatic personality from Arhus University, Denmark.

It provides a platform and brings together various stakeholders to exchange ideas and strategies for a united journey towards sustained growth. It directed for future research and development through innovative ways. The papers were presented by Academicians, Research Scholars, Practitioners and Students from all the departments and were published with an ISBN, almost 76 participants were from in and around Bangalore City and 10 participants were from different cities from the Country.



Run For Unity 2018



New Horizon College Kusturinagar, under the guidance of our Beloved Chairman Dr Mohan Manghnani and Principal Dr. Vijaya Reddy we whole heartedly support the nation in all its endeavors towards inclusive growth and progress. As a mark of respect to this great personality SARDAR VALLABHBHAI PATEL we join hand with the nation on 143rd birth anniversary who leaves behind a rich legacy of UNITY and INTEGRITY.

An iconic Personality, a political and social leader of India who played a major role in the country struggle for independence and subsequently guided its integration into a united independent nation. He was called the “Iron Man of India” and was often addressed as “Sardar” which means “The Chief” or “Leader”, who played a crucial role in building India in the post-independence years.

31st October 2018 has been recognized and is commemorated as National Unity Day (Rashtriya Ekta Diwas) by the Government of India. Our students of New Horizon College Kasturinagar enthusiastically participated in Run For Unity and made it a grand success. The Run was about 1.45 kms, we started from the campus towards Ramamurthy Nagar circle and back to the campus, it took about 45 mins from 12:00 pm to 12:45 pm. About 950 to 1000 students participated (PU and Degree) including the faculty members. NSS volunteers and Student Council lead the race and T-shirts were provided to the participated students for the run. The STATUE OF UNITY—an eternal embodiment of the life, dreams and accomplishment to evoke remembrance and inspiration in the most unique manner possible.



Blood Donation And Eye Pledging Camp

The NSS unit of New Horizon College Kasturinagar, organized a blood donation camp in collaboration with Lions Blood Bank and Nimhans on Monday 22nd October 2018. The camp began at 10.00 a.m. with a short inaugural function. Dr Vijaya Reddy our Principal, NSS Program officer Mr. John Paul and Asst. Coordinator Ms. Reshma Sanjay, members of Lions Blood Bank and Nimhans and NSS volunteers were part of it. Dr Vijaya Reddy expressed her gratitude to the NSS unit of the college for its continuous endeavor in this regard. She also stressed on the growing need for blood in the state and commended the young volunteers for their noble act. The auditorium was utilized thoroughly for the medical check-up of potential donors, as well as for the blood donation itself and where donors could sit and recuperate for a while before they left the venue. They were provided with glucose water, juice, biscuits and a banana. It was great to see more students and faculty so willingly turning up to donate blood in the venue. This stretched the capacity of the blood bank, as a result of which the contact details of the donors were taken so as to allow them to donate at the earliest to the blood bank. The blood banks collected 99 units of blood of different blood groups. There was also eye pledging camp along with the blood donation camp to which many students and faculties turned up to pledge their eye. The main objective of the initiative is to make people understand on “who can pledge their eyes for donation after death”. Eyes being the most valuable part of the human being must not be wasted by burning the body after death. Donation of the eyes gives sight to two corneal blind persons that enable them to come out of their darkness and see

the world. The samples were carefully sealed and transported away, while the volunteers and hospital staff helped in the clean-up of the area. Throughout the morning, there were smiles and laughter all around - a true embodiment of what we believe in - selfless service with a smile. The donors received certificate of recognition and also get a unit of blood is available free from Govt. Blood Bank in next one year at emergency cases. The College unit received a certificate of appreciation from Lions Blood Bank and Nimhans at the end.



Industrial Visit to ISRO Satellite Centre

A one day Industrial visit to Indian space Research Organization (ISRO), Bangalore was organized by BCA department of New Horizon College, Marathalli on 15th October 2018. It was a half day visit by 87 students of 5th semester and 3rd semester along with 4 faculty members. Mr. Srinivas, Senior Scientist, ISRO, welcomed the gathering and guided the students with initial demo videos of basic need of satellite, its invention, different kinds with the evolutionary background, satellite preparation, and rocket launch. Students also gained knowledge about how television signals are broadcasted with the help of satellites. A working model was demonstrated. Various images of India taken at different angles from the satellites, for the purpose of geographical/weather study were seen. Latest images of moon obtained from satellite was also shown. Different electronic devices used in satellite and space communication were explained. Followed by the brief session on Mangalyan & Chandrayan, simulation on GSLV (Geosynchronous Satellite Launch Vehicle). The volunteers has given an insight of ASLV – which was the first launcher made under the supervision of Dr. A.P.J.Abdul Kalam. Students were fascinated by checking the details of PSLV – (Polar Satellite Launch Vehicle)

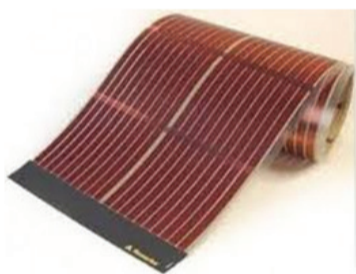


Industrial Visit to Dairy Day-Ice Cream Factory



Students of I and III semester BCA of New Horizon College went for an industrial visit to the Dairy Day factory on 29th October 2018. The industrial site is situated in Harohalli industrial area, Kanakapura Main Road. Students were taken to the ice-cream mixture department first, followed by a visit to the raw material storage segment. The volunteers in the industry were well-trained and explained the process of the manufacturing ice-creams in details. The students were also taken to a cooling room where the final products were stored at a maximum cooling temperature. To the delight of the students, each one of them received a complimentary ice-cream scoop. The manager of the Dairy Day also showed the team the exterior architecture of the factory. Towards the end of the industrial visit, the operational head Mr Prakash congratulated and appreciated the students' keen interest. The students found the visit highly constructive and informative.

Infrared Plastic Solar Cells



Solar energy plays a major role in present days. It is renewable source of energy. This presentation is about the new type of solar cell. Plastic solar cells could one day become five more times more efficient than current solar cell technology

Nanotechnology is the nexus of sciences. It includes anything smaller than 100 nanometer with novel properties. The conventional solar cells that are used to harness solar energy are less efficient and cannot function properly on a cloudy day. The use of nanotechnology in the solar cells created an opportunity to overcome this problem, thereby increasing the efficiency. The plastic solar cell uses nanotechnology and contains the first solar cells able to harness the sun's invisible, infrared rays. The working of this type of solar cell is same as that of conventional solar cells but these solar cells are of small size and harness all the rays from sun's radiation because of their small size and light weight, they exhibit unusual and interesting properties.

The plastic formulations also open the possibility of printing solar cells onto various surfaces, much as how ink is printed on a newspaper, because of this property they can be painted anywhere. The painted screens can be used as power portable electronic goods like iPod's, cell phone, pocket calculators etc. Ultra high efficient plastic solar cells can even work under low light condition and also under artificial light long with the increased wavelength region. Designed: The plastic solar cell created by Berkeley research group is actually a hybrid, comprised of tiny Nano-rods dispersed in an organic polymer or plastic. The thickness is of 200 Nano-meters a thousandth the thickness of a human hair is a factor of 10 less than the micron –thickness of semiconductor solar cells. When Nano-rods absorb light of a specific wavelength, they generate an

electron plus an electron hole --a vacancy in the crystal that moves around just like an electron. Improvement Better light collection and concentration employed in the solar cells. In plastic cells nano rods are closely packed and transfer their electrons more directly to the electrolyte. They also hope to tune the nano rods to absorb different colors to span the spectrum of sun light.

Advantages:

- The plastic solar cells are flexible.
- It cannot be broken easily as conventional solar cells.
- The cost is more than the traditional.Semiconductor solar cells that are in use now.Today's high efficiency solar cells require very sophisticated process inside a cleaning room and complex engineering to make the semiconductor sandwiches and because they are baked inside a vacuum chamber, their size should be relatively small.

Limitation:

- The biggest problem with this is cost effectiveness. But that could change with new material. But chemists have found a way to make cheap plastic solar cells flexible enough to paint onto any surface and potentially able to provide electricity for wearable electronics or other low power devices.
- Relatively shorter life span when continuously exposed to sunlight.
- Could possibly require higher maintenance and constant monitoring.

Conclusion: Plastic solar cells help in exploiting the infrared radiation. It includes anything smaller than 100 nanometres with novel properties. More effective when compared to conventional solar cells. They can even work on cloudy days. Though at present cost is a major. Drawback, it can be solved in the near future.

Application:•Coating the cell•ocean navigation aids•Hydrogen powered car •Telecommunication systems

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS

Sports Achievements



BASKETBALL (Women)

1. Winners in "RAMAIAH-2018" Inter Collegiate Basket Ball (Women) Tournament held at RAMAIAH IT, on 22nd To 24th SEP 2018
2. Winners in "KREEDOSTSAV-2018" Inter Collegiate Basket Ball (Women) Tournament held at BMSCE, on 23rd To 25th SEP 2018
3. Winners in "SPARDHA-2018" Inter Collegiate Basket Ball (Women) Tournament held at CMRIT, on 3rd & 4th OCT 2018.

VOLLEY BALL (Men)

Winners in "B.T.L-2018" 2 Bronze medal in (Inter Collegiate Volley Ball (Men) Tournament held at BTL College, on 11th SEP 2018

WEIGHT LIFTING (M & W)

Runners-up in "KREEDOTSAVA- 2017" Inter-collegiate Basket Ball Tournament Held at BMSCE, Bangalore, on 8th To 10th MAR 2018

TAEKWONDO (M & W)

Bronze Medal in (83 Kg category) VTU Single Zone Inter-collegiate Taekwondo (M&W) competition 2018-19 held at SCEM, Mangalore, on 10th& 11th Sep 2018.

BASKETBALL (MEN)

Runners in VTU Bangalore Central Zone Basket Ball(M) Tournament-2018-19 Held at RAMAIAH IT, Bangalore, on 14th & 15 Sep 2018

KABADDI (MEN)

Winners in "SPARDHA-2018" Inter Collegiate Kabaddi (Men) Tournament held at CMRIT, on 3rd & 4th OCT 2018

WRESTLING & JUDO (M & W)

2 Gold medal, 1 Silver medal & 5 Bronze medal in VTU Single Zone Inter-collegiate Wrestling & Judo (M&W) competition 2018-19 held at Saptagiri CE college Bangalore, on 15th to 17th Oct 2018.

BEST PHYSIQUE (M)

1 Silver medal in VTU Single Zone Inter-collegiate Best Physique(M) competition 2018-19 held at GAT Bangalore, on 30th& 31st Oct 2018.



124/2 Bhoganahalli, Bellandur Post,
Behind New Horizon College of Engineering,
Bangalore-560103
Ph: 91 9900087732, 9036014400/11

Admission Circular

FOR PLAYGROUP, NURSERY, LKG AND UKG FOR THE ACADEMIC YEAR 2019-20

Dear Parents, Hari Om!

Registration forms for admission for the academic year 2019-20 for PLAYGROUP, NURSERY LKG AND UKG can be downloaded from the website www.newhorizonvidyamandir.in from 16th August 2018 onwards.

Filled in registration forms are to be submitted at New Horizon Vidya Mandir only on 29th September 2018 / 1st October 2018 / 2nd October 2018. The registration fee is Rs.500/-.
Parents can take a tour of the campus after the submission of registration forms.
The timings are :- 9.00 am to 2.30 pm.

Please submit the filled in registration form with the following enclosed:

1. The latest passport size photograph of the child
2. Photocopy of the birth certificate
3. Copy of the Aadhar of the child



Principal-NHVM

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