

The logo features the letters "NH" in a bold, dark blue, sans-serif font. To the right of "NH", the word "Bytes" is written in a large, red, cursive script font with a slight shadow effect.

# NH Bytes

A MONTHLY PUBLICATION BY  
**NEW HORIZONITES**

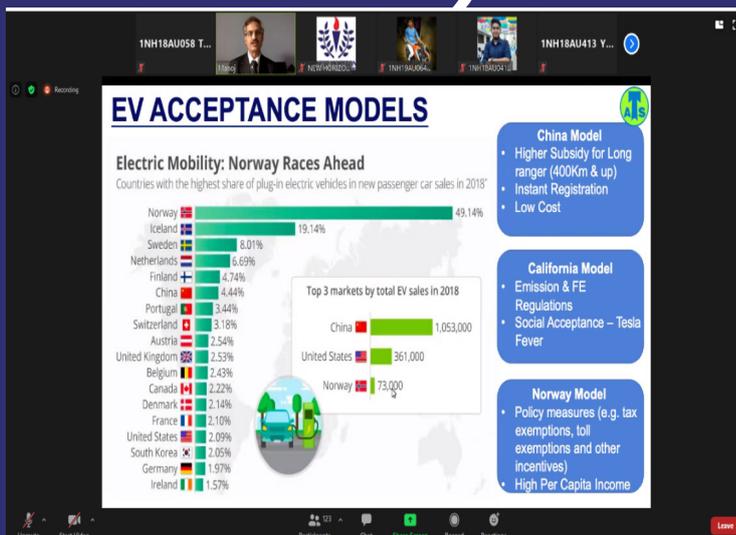
**JUNE 2021**

The logo consists of a large, stylized number "50" in a golden-yellow color. To the right of the "0", the words "Golden JUBILEE" are written in a cursive font, with "JUBILEE" in all caps. Below this, the text "YEARS OF EXCELLENCE IN EDUCATION" is written in a smaller, blue, sans-serif font. The entire logo is set against a background of blue butterflies.

**50**  
Golden  
JUBILEE  
YEARS OF EXCELLENCE IN EDUCATION

# WEBINAR9 (ELECTRIC VEHICLES)

A webinar "Future Of Electric Vehicles" was held on 01<sup>st</sup> June, 2021 at 11:00 AM. The speaker for the webinar was DR. MANOJ MODANI Director, Director-Automotive Test Systems, Delhi." There were about 125 participants who attended the webinar, and the webinar was conducted us Zoom. Dr. Manoj Modani gave an insight of the country-wise statistics of the electric vehicle sales globally and why it is not yet fully accepted in India. An insight on how much electricity the EVs consume can be generated from the wide range of sources like Fossil Fuels, Nuclear Power, and Renewable Sources such as Solar Power, Hydro Power and Wind Power was detailed by the resource person.



## WEBINAR

The Keynote speaker for the webinar was Dr. Jagadish V, Head, EDC, IIC, Department of Civil Engineering, PVPSIT, Vijayawada It was a very informative and interactive session.

**NEW HORIZON COLLEGE OF ENGINEERING**

NHCE Institution's Innovation Council & Department of Civil Engineering

Is hosting a webinar on  
**Prototype/Process Design and Development - Prototyping**

Date: 30-6-2021 Time @ 3:00 PM

**SPEAKER**  
**Dr. JAGADISH.V**  
(Head, EDC, IIC ),  
Department of Civil Engineering,  
PVPSIT, Vijayawada

**CONVENOR**  
Dr. Niranjana.P.S.  
HOD, CIVIL Engg

**COORDINATOR**  
Dr. Jagadeesh C.B  
Dr. Natchimuthu B  
Mr. Rahul N.K.

For Registration  
<https://forms.gle/9GKwPBkvnjFBQ7om9>  
Join Google meet: fgw-niyh-jpc  
E-Certificate will be provided for the participants

## ALUMNI TALK

The session was conducted by Mr. ANAND RATHNAM, an alumni (2010-2014 batch), NHCE. He is a civil engineer turned stand-up comedian. Anand's brand of comedy is observational and opinionated, mostly drawn from real life experiences. Students thoroughly enjoyed the session.

**NEW HORIZON COLLEGE OF ENGINEERING** 50<sup>th</sup> ANNIVERSARY

DEPARTMENT OF CIVIL ENGINEERING

Presents  
**Online Alumni Talk**

on  
**FAILURE IS NOT THE OPPOSITE OF SUCCESS BUT IT IS A PART OF SUCCESS**

on  
**2 JULY 2021 @ 11:00AM-12:00AM**

**CONVENOR**  
Dr. P. S. NIRANJAN  
HOD-CIVIL

**COORDINATOR**  
MS. SWETHI JHA  
ASSISTANT PROFESSOR

**SPEAKER**  
**ANAND RATHNAM**  
STAND UP COMEDIAN  
BATCH 2010-2014

4<sup>th</sup> sem RIZWAN ALI GAZI 1NH19CV094

# DESIGNING A SCIENTIFIC RESEARCH PAPER

**Choosing my journal**

Steps to follow:

- (1 – the invisible step: often your supervisor will suggest one)
1. Check the UGC Care list – make sure of a peer review process
2. Check the Journal's impact factor
3. Have a look at the scope and policies of the journal
4. Consider the funding aspect – Is there funding for open access? Who is paying page fees?

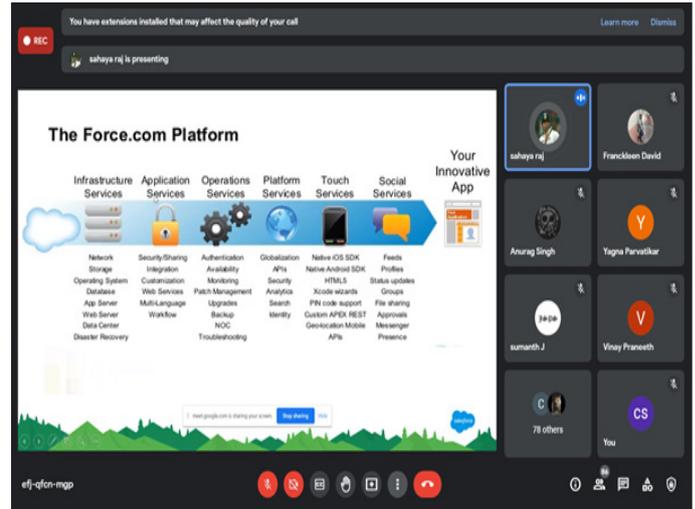
**BEWARE THE PREDATORS**

The event was started by welcoming Speaker, HOD, and Participants and a brief introduction of the Speaker, Dr.D. Kesavaraja, Associate Professor, Department of CSE, Dr Sivanthi Aditanar College of Engineering, Tiruchendur. The event was organized to address 6<sup>th</sup>-semester students of CSE, where a total of 209 students were participated in the live webinar. The session was more interactive and participants were entirely involved in learning fundamentals in quality research paper for their project work such as Challenges, Goals, Literature survey preparation, creating

modules, result projection, usage of freeware tools to create results, idea on conclusion and future enhancement, finally ended with how to publish their paper in Scopus Indexed journal and UGC approved journal. Speaker addressed all the questions from participants.

# SALESFORCE OVERVIEW & JOURNEY TO SALESFORCE (WORKSHOP)

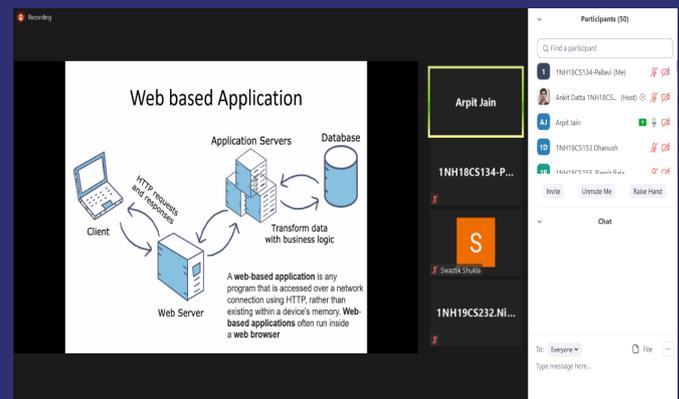
The Department of Computer Science and Engineering organized a workshop on Salesforce overview & Journey to Salesforce for the 6th semester CSE students. The Resource Person was Mr. Sahayaraj, Assistant Manager –Salesforce, WABCO – ZF Group. This workshop focused on Salesforce, a leading CRM (Customer Relationship Management) software served from the cloud. It has more than 800 applications to support various features like generating new leads, acquiring new leads, increasing sales and closing the deals. It is designed to manage the organization's data focused on customer and sales details. It also offers features to customize its inbuilt data structures and GUI to suit specific business needs. The resource person gave a hands-on session using the cloud and explained the overview of Salesforce and its importance. Around 85 students took part in this workshop and



gained knowledge on Salesforce.

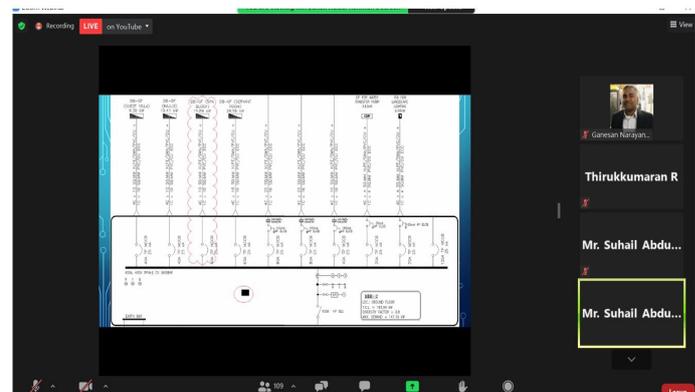
# DESKTOP-BASED APPLICATION VS WEB-BASED APPLICATION USING JAVA

The resource person of the event, Mr Arpit Jain, is the Centre head at Centre of Excellence in Information Technology, Namibia, South Africa – under the project of CDAC & MEA. He has also served in the Indian Army as a part of the Cyber Security Department. The topics covered in this session were Working on websites, Architecture, JSP and Servlets, Desktop based applications, Java Foundation Classes, and SWING Demonstrations. As a result, the attendees got an idea of what makes web applications different from desktop applications. The event ended with the doubt clarification session, and feedback received for the session was very positive.



# AI FEATURES AND USE CASES

Department of Computer Science & Engineering in association with Industry Institute Interaction Cell (Dept. of HRD) under IBM OpenPOWER CENTRE OF EXCELLENCE Organizes a Webinar "AI FEATURES AND USE CASES" on 12th June 2021 for the benefit of 6th and 8th Sem Students. The speaker of this webinar is Mr Suhail Abdul Rehman Chougule, a Data Science Professional, IBM. Mr Suhail has presented the insights of AI and demonstrated the key technologies Watson Assistant, Watson Discovery, and Watson Language Translator with use cases. Two hundred students and faculties from CSE has attended the session and got benefited.



# ARCHITECTURE INNOVATIONS IN POWER ISA V3.01 AND POWER10

In association with Industry Institute Interaction Cell of NHCE and Department of Computer Science & Engineering, in collaboration with IBM and OpenPOWER has established a Centre of Excellence in the college premises for the benefit of the students and was inaugurated on June 18, 2021. After the inauguration, a technical webinar was held, and the speakers were Dr Sameer Shende, Director of Performance lab at the University of Oregon, and Mr Florin Manaila, IBM AI Lead, who shared their experiences using the IBM POWER9 systems. As a result, 4th, 6th and 8th-semester students and faculties from CSE attended the session and got benefited. Department of CSE is thankful to Mr Binod Kumar for supporting in organizing this purposeful event.



**NEW HORIZON COLLEGE OF ENGINEERING**  
50th Anniversary  
Autonomous College Recognized by All India Council for Technical Education (AICTE) & UGC  
Approved by All India Council for Technical Education (AICTE) & UGC

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
in collaboration with  
**DEPARTMENT OF HUMAN RESOURCE DEVELOPMENT (IIIC)**

Invites you for the inauguration of

**IBM OpenPOWER LAB**  
on Friday, 18th June 2021 @ 10:30 AM

**GUESTS**

**Mr. Florin Manaila**  
Cognitive Leader, IBM Europe

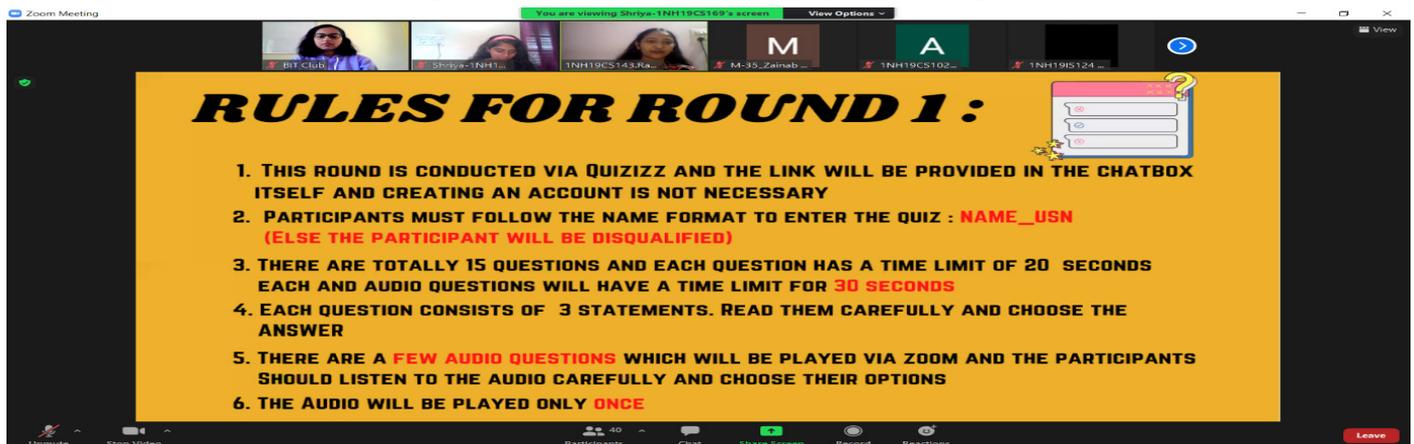
**Dr. Sameer Shende**  
Director, Performance Lab, University of Oregon

**Mr. Ganesan Narayanasamy**  
OpenPOWER Leader in Education & Research

**INAUGURATION BY**

**Dr. Mohan Manghnani**  
Chairman, NHEI, Bangalore.

## FACTOTUM (BIT CLUB EVENT)



**RULES FOR ROUND 1 :**

1. THIS ROUND IS CONDUCTED VIA QUIZZ AND THE LINK WILL BE PROVIDED IN THE CHATBOX ITSELF AND CREATING AN ACCOUNT IS NOT NECESSARY
2. PARTICIPANTS MUST FOLLOW THE NAME FORMAT TO ENTER THE QUIZ : **NAME\_USN** (ELSE THE PARTICIPANT WILL BE DISQUALIFIED)
3. THERE ARE TOTALLY 15 QUESTIONS AND EACH QUESTION HAS A TIME LIMIT OF 20 SECONDS EACH AND AUDIO QUESTIONS WILL HAVE A TIME LIMIT FOR 30 SECONDS
4. EACH QUESTION CONSISTS OF 3 STATEMENTS. READ THEM CAREFULLY AND CHOOSE THE ANSWER
5. THERE ARE A FEW AUDIO QUESTIONS WHICH WILL BE PLAYED VIA ZOOM AND THE PARTICIPANTS SHOULD LISTEN TO THE AUDIO CAREFULLY AND CHOOSE THEIR OPTIONS
6. THE AUDIO WILL BE PLAYED ONLY ONCE

The Business and Information Technology Club had organized an interdepartmental event titled Factotum on the 21st of June, 2021 at 11.00 am to 2.00 pm. The event was aimed at students who wanted to showcase their Competitive Coding abilities, their General Knowledge about Computer Science and their Pop culture knowledge. The event was further divided into two separate events: Technovania (Quiz event) and Popwhizz (coding event). It was open to all students of NHCE. A total of 75 participants took part in the event across the institution. The event completed with enthusiastic participation, and participants exhibited their technical skills appropriately during the event.

## MICROSOFT POWER PLATFORMS

### FUNDAMENTALS

Students of CSE and ISE hosted the event on behalf of the Microsoft Learn Student Ambassador Community of New Horizon College of Engineering on 24th June 2021. Microsoft Learn Student Ambassadors are a group of on-campus students who are eager to explore new and emerging technologies, also keen to help the local student communities, learn and develop the career skills. Microsoft provides the resources for this event and



**NEW HORIZON COLLEGE OF ENGINEERING**

**INFOCUS TALK SERIES EPISODE 2**  
Microsoft 365: Fundamentals  
24th Jun 2021, Thursday  
4:30 PM IST | 11:00 AM GMT | 4:00 AM PST

Speaker  
**Dwayne Natwick**  
Cloud Training Architect | Lead at Capgemini, Azure MVP | Microsoft Certified Trainer | Regional Lead | Cloud Service Product Consultant

Agenda  
What is Microsoft 365 and its capabilities?  
Security and compliance with Microsoft 365  
Identity and Access Management with Microsoft 365

Check your knowledge

Use on Microsoft Teams  
Participate in the quiz at end of the session and stand a chance to win Microsoft 365 subscription at no cost!  
All participants receive a participation certificate from Microsoft Learn Student Ambassadors.

received the remarkable response from the participants. The session was divided into 2 parts, first the guest speaker Mr Dwayne Natwick, Cloud Training Architect, Microsoft, delivered a lecture on Microsoft Power Platforms, followed by 'Check your knowledge', a quiz of 15 questions to brush up all the knowledge gained from the session. The winners of the quiz were rewarded with a Microsoft 365 E5 Subscription.

# MICROSOFT-365: FUNDAMENTALS

Students of CSE and ISE hosted the event on behalf of the Microsoft Learn Student Ambassador Community of New Horizon College of Engineering on 26th June 2021. The Microsoft Learn Student Ambassadors are a group of on-campus students who are eager to explore new and emerging technologies, also keen to help the local student communities, learn and develop the career skills. Microsoft provides the resources for this event and received the remarkable response from the participants. The session was divided into 2 parts, first the guest speaker Ms Diksha Singh, Global black belt - Power platform, Microsoft delivered a lecture on "Microsoft-365: Fundamental", followed by 'Check your knowledge', a quiz of 15 questions to brush up all the knowledge gained from the session. The winners of the quiz were rewarded with a Microsoft 365 E5 Subscription.

The poster is for an event titled "INFOCUS TALK SERIES EPISODE 3 Microsoft Power Platform: Fundamentals". It is dated "26th Jun 2021, Saturday" and lists the time as "1:30 PM IST | 8:00 AM GMT | 1:00 AM PST". The speaker is identified as "Diksha Singh", a "Global Black Belt - Power Platform at Microsoft". The agenda includes: "Why is Low Code needed?", "Get to know Power Platform and its components", "Get inspired by Customer Power Platform Fundamentals Certification", and "Check your knowledge". A note states: "Live on Microsoft Teams. Participate in the quiz at end of the session and stand a chance to win Microsoft 365 subscription at no cost\*." A footer note says: "All participants receive a participation certificate from Microsoft Learn Student Ambassadors."

# BUILDING AN INNOVATION FIT FOR MARKET

Department of Mechanical Engineering, Institution's Innovation Council and Entrepreneur Development Cell conducted a webinar on "Building an Innovation fit for market" for the students of NHCE. The Speaker of the Session was Mr. R. Kaja Bantha Navas, AP, School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai and Director, Helios Innovation Pvt Limited. The aim of this webinar was to provide an insight to the latest advancement in the sphere of the Product Fit for Market and to keep students embraced with the basics, use, and practical aspect of the technology advancing at the global level.

The screenshot shows a Zoom meeting interface. The main slide features a text box stating: "Abraham Karem is a pioneer in innovative fixed and rotary wing unmanned vehicle and is regarded as the founding father of UAV (drone) technology." Below the text are two images: a white quadcopter drone and a red and white medical supply truck. The Zoom interface includes a "Recording" indicator, a "Participants (140)" list on the right, and a "Chat" window at the bottom.

# COMPETENCY MAPPING AND CAREER DIRECTION

Online workshop on Competency Mapping and Career Direction was conducted for MBA 2nd semester students on June 22, 2021 via the GoToWebinar app. The speaker John Puchathali, CEO, Compas Now, weighed in some great points addressing the competencies an MBA student should encompass.

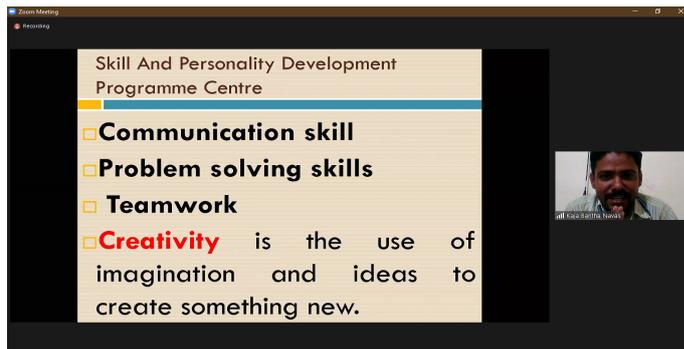
Mr. John Puchathali gave detailed insights on how to identify a specialization and map the competences required for the successful career. He emphasized on importance of the future need for competences in the workplace / company that are required in the industry for a successful career and how the competency Assessment can be helpful for students in order to select a specialization and build a career.



Speaker's advice was enlightening, helpful, and turned out to be a great guidance session for the students.

# BUILDING AN INNOVATION FIT FOR MARKET

A webinar was conducted by the Department of Mechanical Engineering, institution's innovation council and Entrepreneur Development Cell on building an innovation fit for market. The speaker for this webinar was Mr. R. Kaja Bantha Navas, an Assistant Professor in the School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai. He is also the Director of Helios Innovation Pvt Ltd. In this session, the speaker spoke about innovations in the new market. The main aim of this webinar was to



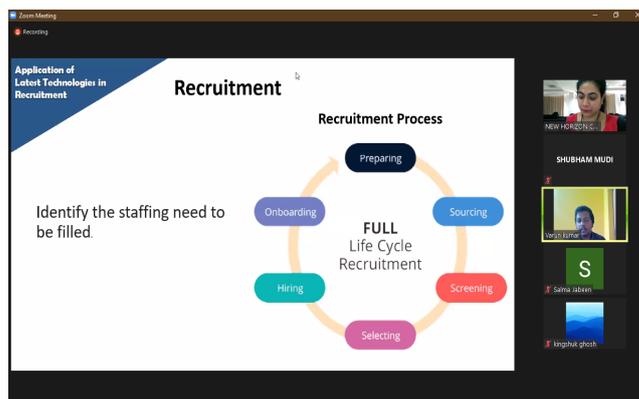
provide an insight into the latest advancement in the sphere of the product fit for market and to keep students embraced with the basics, use and practical aspect of the technology advancing at the global level. Building an innovation fit for the market describes a scenario in which the customers buy, use and tell others about the company's product. The session was helpful and ended with Q&A's and vote of thanks.

# APPLICATION OF LATEST TECHNOLOGIES IN RECRUITMENT AND EMPLOYER BRANDING

As rightly said "with ordinary talent and extra perseverance all things are attainable"- The Department of Management Studies organized the guest lecture on application of latest technologies in recruitment and employer branding on 21st June 2021.

The speaker of this session was Mr. Varun Kumar N, Talent Acquisition Specialist in Skandysys Pvt Ltd.

The speaker threw insight on how recruiters look for the specific talent in an individual which is required to fulfil the job. It helped us to understand the importance of skills, talents and experiences that an individual should possess from recruiters point of view.



# UDHYAM – NAVIGATE THE FUTURE

The Department of Management Studies, NHCE organized an Inter-collegiate event "UDHYAM" -Navigate the future, which was organized from 21ST – 23rd June, 2021. The Entrepreneur week was organized by Ed Club in association with Department of Entrepreneurship Cell, NHCE. This programme was headed by Dr. Sheelan Mishra, HOD of Management Studies and Ed faculty in charge Mrs. Saumi Roy.

The journey of the 3 day event was as follows:  
Day -1: Debate- Pad, which was mainly focused on contrast between being an employee or grow as an entrepreneur

Day 2: Socio- Business, the competition was based on presenting the business idea with a social cause.

Day -3: Business Unplugged, an expert talk on business expertise, by Mr. Pranab Jyothi Roy, which gave insights into today's entrepreneurship step up for young minds that would lead them towards success if pursued.

Over all the 3 days events bought great enthusiasm among the students from NHCE and other colleges to actively take



part and utilize the opportunities to present themselves.

# SPECIALIZATION ORIENTATION FOR MBA 2<sup>nd</sup> SEM STUDENTS 2021

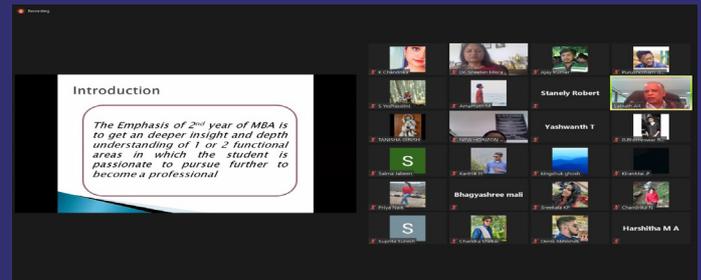
The Department of Management Studies, NHCE Bangalore organized an Orientation Programme to choose the Specialization for the MBA students along with an insight into Competency mapping. The speakers for this programme were by Dr. Sheelan Mishra, HOD of Management Studies, Ms. Pavithra Salanke, and Dr. AR Sainath.

In this online meet, the faculties of MBA department addressed the students and emphasized on the importance of specialization, current level of student knowledge and inclination towards different management specializations such as Finance, Marketing, Human Resource, Data Analytics and Operations.

The session will help them to choose which specialization to opt for and explain the careers available in their

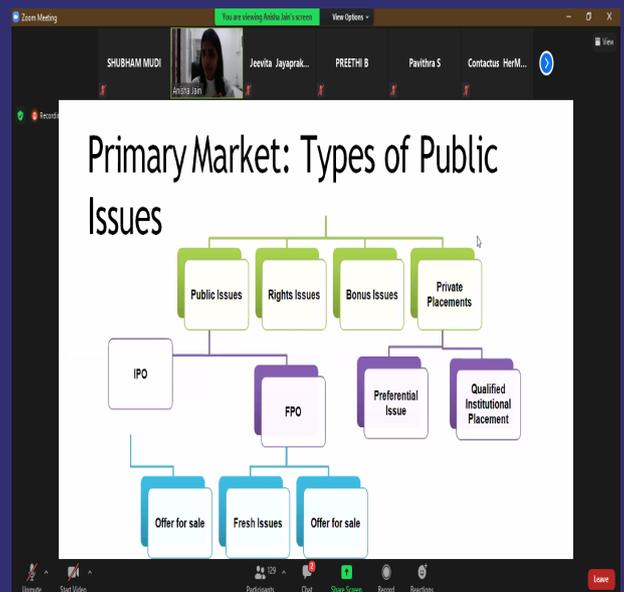
domains and career paths that they can follow once they graduate from the institute.

The session also gave insights on finding candidates with the right skills and competencies in the growing organizations. Depending on the career sector and profession they choose to work in, there could be very specific skills, abilities and knowledge needed to do the job.

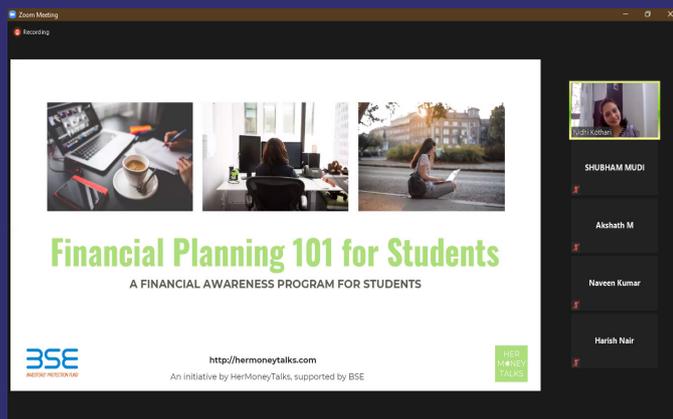


## AN OVERVIEW OF SECURITY MARKET

A virtual session was conducted by the Department of Management Studies for 1ST year MBA students. The session was about an overview of the securities market. Ms. Anisha Jain, a financial coach spoke about the importance of securities market and how stock exchange exactly works. The speaker helped the students understand the basics of securities market so that they can get a brief idea of what stock exchange is all about. She spoke about how investments help us in the future, what kind of investments help us get more returns/profits. She also spoke about financial markets, stocks and the process of investing in the right place. The session was very helpful for the students and they got to know how to manage their finances in the future and invest in the right way. This session was indeed interesting and the students were asking various questions regarding the stocks and investments. The session was very informative and ended with Q&A's and vote of thanks.



## FINANCIAL PLANNING FOR YOUNG PROFESSIONALS



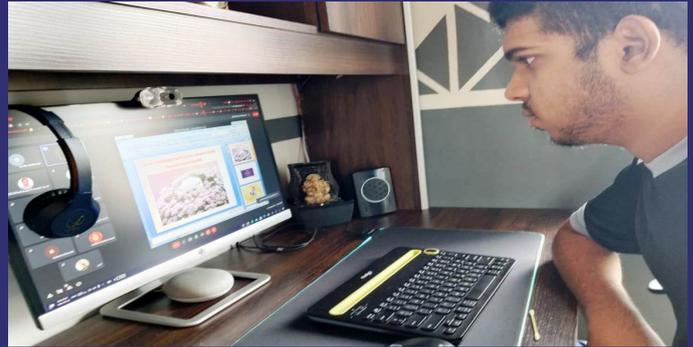
A session on the topic "Financial planning for young professionals" was organized by Department of Management Studies of New Horizon College of Engineering. The honorable speaker of the session was Ms. Nidhi Kothari, Trainer at Her Money Talks. The session aimed at helping students to understand the importance of financial planning. It was an informative and interactive session and helped students in financial planning. We thank Dr. Sheelan Mishra, Head of Department of Management Studies for organizing such a useful session and helping students to progress in right path.

# STRESS MANAGEMENT AND MEDITATION

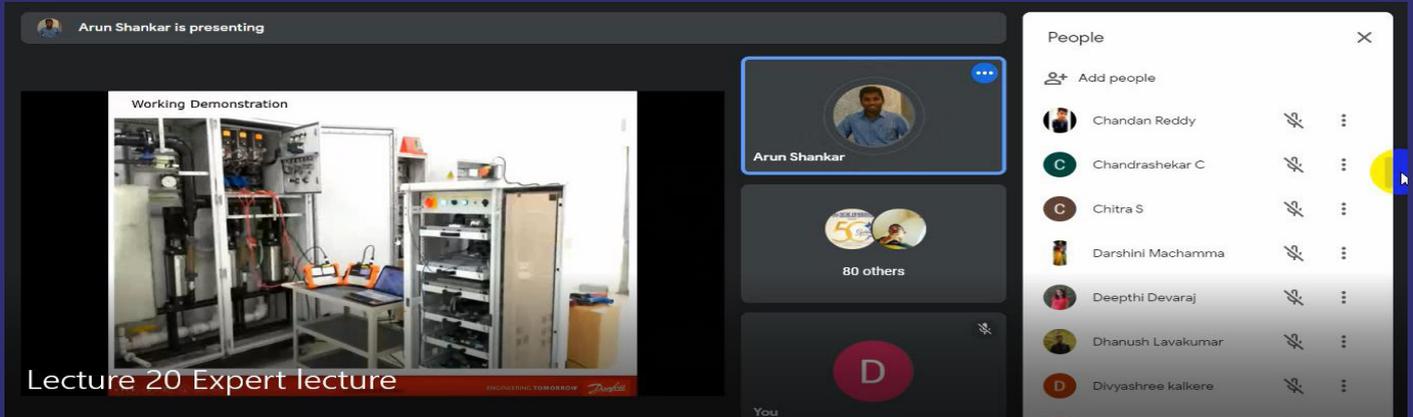
Department of Electrical and Electronics Engineering, New Horizon College of Engineering – Bengaluru, Organized the National Webinar on “Stress Management and Meditation”, in association with IEEE Power Electronics Society Student Branch Chapter.

Resource person: B.K.Chaya, Raj Yoga Teacher, Brahma Kumaris, Bangalore.

It was organized by Coordinator Mr. Satish Kumar.D, Sr Asst. Professor and convened by Dr.M.Mahesh, HOD – EEE Department, New Horizon College of Engineering.



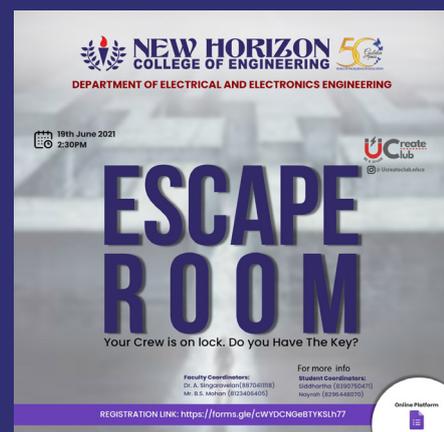
# EXPERT LECTURE ON ROLE OF GRAPHICAL PROGRAMMING LANGUAGE IN INDUSTRIAL AUTOMATION



The Department of EEE, New Horizon College of Engineering organized an Expert Lecture on “Role of Graphical Programming Language in Industrial Automation” in association with Danfoss Industries Pvt Ltd, Chennai on 09th June 2021, will defined the concept of research trends of automation in industry. Mr. V.K Arun Shankar, Testing Engineer, Danfoss Drives Segment – R&D (SW), Sriperumbudur served as resource person for an Expert Lecture and delivered a speech on Graphical Programming Language interconnections with synchronous motors and generators is available with a wide range of industrial applications. He also mentioned that electric motors have become an integral part of industrial production and convert electrical energy into mechanical energy, enabling industrial machines to perform the tasks assigned to them by using graphical programming language. The programmed covered the following important aspects namely applications of industrial automation in Danfoss. The eminent expert from Industry delivered the lecture and his talk has been very well received by the participants. Session was organized by Coordinator Dr. Vinoth Kumar K, Associate Professor and conveyed by Dr.M.Mahesh, HOD – EEE Department, New Horizon College of Engineering.

# ESCAPE ROOM BY U-CREATE CLUB

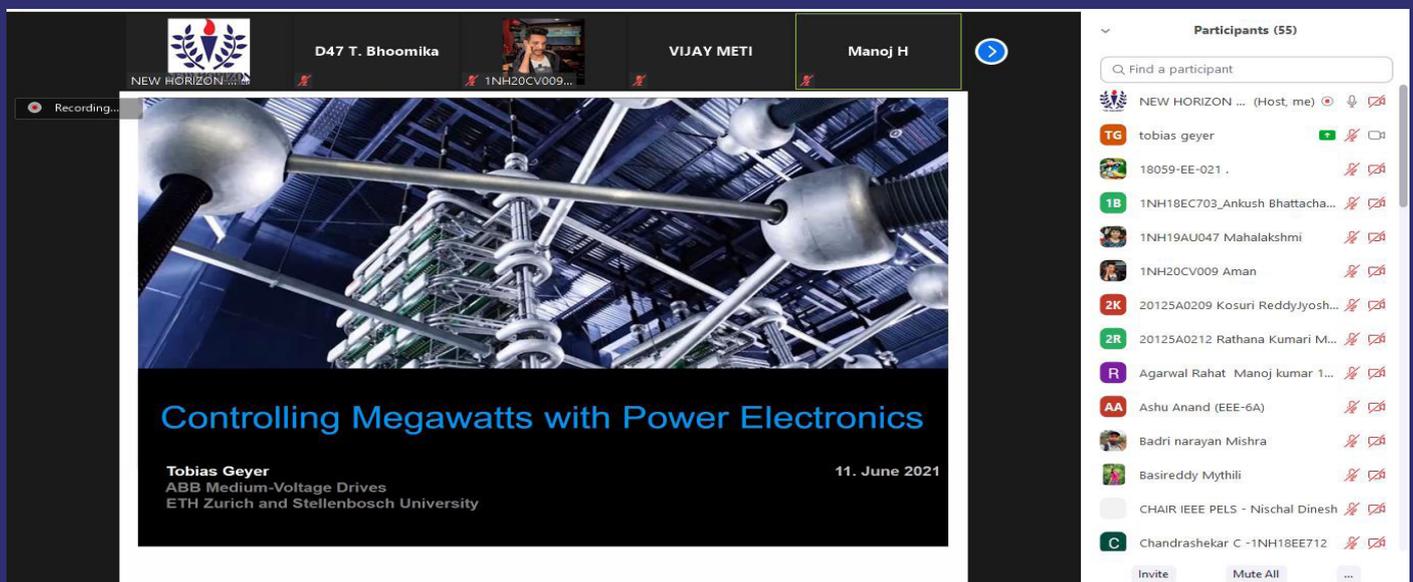
The U-Create club in association with the Department of Electrical and Electronics presents the event. The club has taken an interesting approach of the typical game of Escape Room to fit the current situation where everything is online and virtual. The event is conducted on Microsoft Teams. In order to escape the “virtual” room, participants are required to use their wits and problem-solving skills to solve a variety of questions which feature a broad range of topics such as technology, brain teasers, space and books. These questions can be in the form of a simple picture, or a puzzle, or a well framed riddle, so the participants must put on their thinking hats to escape the room before time runs out. E-certificates were also provided to all the participants.



# CONTROLLING MEGAWATTS WITH POWER ELECTRONICS

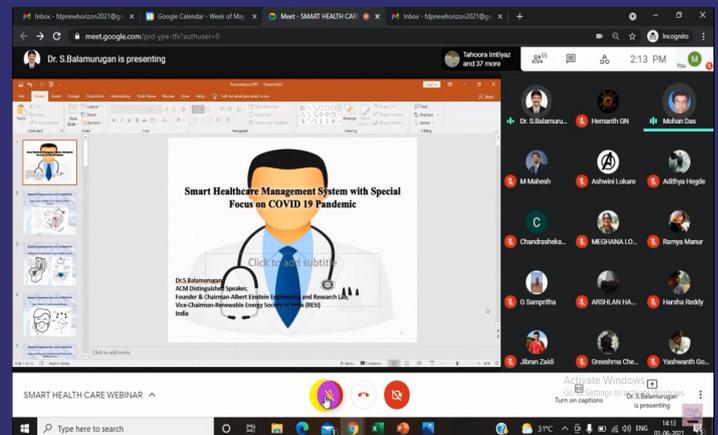
The Department of EEE, New Horizon College of Engineering organized an International Webinar on "Controlling Megawatts with Power Electronics" in association with IEEE PELS NHCE Student Branch Chapter on 11th June 2021, will defined the concept of research trends of automation in industry. Dr. Tobias Geyer, ABB Corporate Research, Switzerland, and Stellenbosch University, South Africa served as resource person for an international webinar and delivered a speech on high power converters in the megawatt range link large wind turbines with the grid, help transfer electrical power over long distances and drive large motors. To operate these converters intelligent control algorithms are required. This talk introduces high power electronics reviews its control

challenges and proposes model predictive control methods. For large electric machines, as in wind turbines, these control methods increase the converter power and their availability. For HVDC-connected offshore wind farms, intelligent control is required to ensure reliable operation of the converter-based power grid. The eminent expert from Industry delivered the lecture and his talk has been very well received by the participants. The session was organized by Coordinator Dr. Vinoth Kumar K, Associate Professor and conveyed by Dr.M.Mahesh, HOD - EEE Department, New Horizon College of Engineering.



# SMART HEALTH CARE SYSTEM WITH SPECIAL FOCUS ON COVID 19 PANDEMIC

The Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru organized the Webinar on "Smart Health Care System with Special Focus on Covid 19 Pandemic" on 01st June 2021. The objective of the Program is in a Smart Healthcare System, privacy is an important issue to be taken into consideration when one wants to use the information, especially at a time when the sensitive information is to be disclosed. In order to protect sensitive information application of privacy preserving data mining techniques are employed. it has recently become clear that the data must be adequately protected from unauthorized disclosure when testing new applications related to the data. This lecture aims at delivering a detailed overview of Smart Healthcare System with special focus on COVID-19 Pandemics. The entire session is handled by a resource person



Dr.S.Balamurugan, SMIEEE, ACM Distinguished Speaker, Founder and Director-Albert Einstein Engineering and Research Labs, Vice Chairman-Renewable Energy Society of India.

# IEEE PELS NHCE STUDENT BRANCH CHAPTER INAUGURAL CEREMONY

The Inauguration of IEEE PELS Student Branch Chapter (Geo Code: SBC66131) of New Horizon College of Engineering, Bengaluru was held on 15th June 2021 at Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru through Zoom Meet. The program began with a welcome address by the Dr. M. Mahesh, Professor & HoD, EEE Department of NHCE. Dr. Vinoth Kumar K, IEEE PELS SBC Advisor introduced the biography of Chief Guest. The Chief Guest of Inaugural ceremony will be Mr. Vishal Anand A G, Chair, IEEE PELS Bangalore Chapter Section & Principal Engineer, Bloom Energy (I) Pvt Ltd, Bengaluru delivered the inaugural speech. He emphasized the mission of the PELS student branch chapter and how this could help the academia in solving problems related to energy and also stressed that power electronics is the key for integrating renewable energy into the grid and the importance of power electronics in energy generation, management and conservation. Dr. Mahesh, HoD Department of EEE, NHCE presented the information about IEEE PELS NHCE SBC activities and proposed the Office Bearers of IEEE PELS NHCE for the year 2021. The proposed office bearers were accepted by Dr. Gunapriya B, Associate Professor, EEE, NHCE and seconding by Dr. K.C.R. Nisha, IEEE Student Branch Counselor of NHCE. The Presidential address was delivered by Dr. Manjunatha, Principal of NHCE. And finally, the vote of thanks is proposed by Dr. K.C.R.Nisha, IEEE NHCE Branch Counselor. The Inauguration was graced with the presence of Dr. Amarjeet Singh, Dean Academics of NHCE and Dr. Sanjeev Sharma, Professor & Head of ECE, NHCE and Dr. Janamejaya, Vice Chair IEEE PELS Bangalore Chapter. The event was made more colorful by the active participation of undergraduate students and faculties from Department of Electrical and Electronics Engineering, New Horizon College of Engineering and other college faculty members were present at the audience. Altogether the IEEE PELS NHCE SBC Inauguration was a great success and all the members are very excited in taking forward this society to greater heights.

The screenshot shows a Zoom meeting interface. The main slide is titled "Education/Student Activities" and lists the following points:

- PELS has a broad student program and supports exciting student activities:**
  - IEEE Future Energy Challenge**
    - International competition for innovation, conservation and effective use of electrical energy
  - Student Travel Grants**
    - Supporting students who participate in PELS Conferences
  - Mentorship**
    - Mentorship events at PELS Major conferences
      - Such as APEC, ECCE-NA, and others
  - PELS Prize Ph.D. Thesis Talk**
    - Encourages recently graduated Ph.D. students to make a video of up to 200 seconds on their Ph.D. projects showcasing their research achievements in academics and industrial fields

The slide also features the IEEE logo and a small image of students working on a project. To the right of the slide, a list of participants is visible, including names like SONIKA VENKATCHALAM, Sowmyashree 1NH19EE107, Srinivasa Govindaiah, Sushma M, Sushmitha, Tahooraa Imtiyaz, Utkarsh (1NH18EE724), Vidya GR 1NH19EE122, Vinith G A, VINOD KUMAR S, Vishnu, Janamejaya Channegowda, M Karthika, and sowmiasri C.

## OP-AMP APPLICATIONS (GUEST LECTURE)

Department of Electronics and Communication Engineering conducted an online Guest lecture on "OP-AMP APPLICATION" on May 31st 2021. The speaker, Dr. P.Subbanna Bhat was a retired Professor from NITK and currently the chief mentor at Anvation labs at Bangalore. He discussed various concepts related to op-amp and explained its major applications. The lecture was attended by 4th semester students. About 150 students attended the session.

The poster is for an online guest lecture titled "OP-AMP APPLICATIONS" presented by the Department of Electronics and Communication Engineering at New Horizon College of Engineering. The speaker is Dr. P. Subbanna Bhat, a retired Professor from NITK and Chief Mentor at Anvation Labs, Bangalore. The lecture is scheduled for 1 June, 2021, Tuesday, at 9:30 AM. The convenor is Dr. Sanjeev Sharma, HOD, ECE Dept, NHCE, and the coordinator is Ms. Tessa Tomy, Assistant Professor.

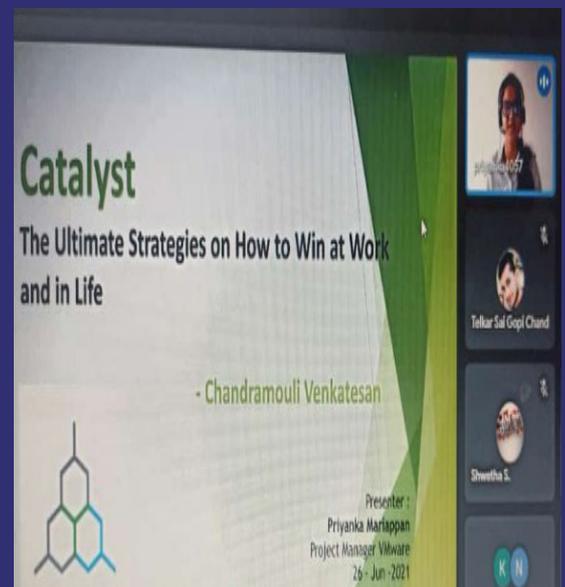
# INTRODUCTION TO ANDROID APP DEVELOPMENT (GUEST LECTURE)

Department of Electronics and Communication Engineering conducted an online Guest lecture on "Introduction to Android App Development" on 12th June 2021. The speaker Ms. Priyanka .B. Gaikwad who works as a software developer at Welldoc, India. She explained the basics of developing an android based application. She also showed a live demo of a raw app which was in development phase and explained the procedure too. Students numbered in 50 attended the guest lecture.

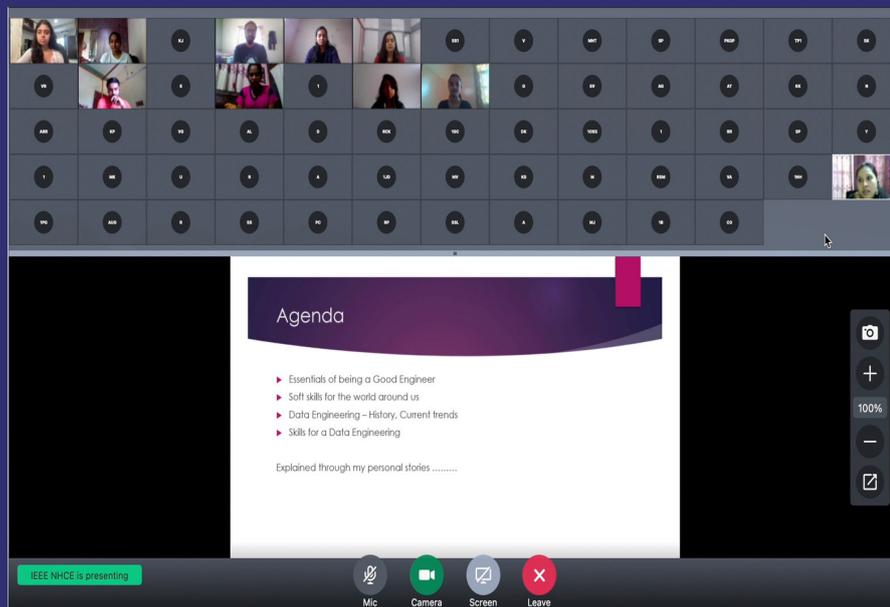


# CATALYST –THE ULTIMATE STRATEGIES ON HOW TO WIN AT WORK AND IN LIFE

Department of Electronics and Communication Engineering conducted an International online alumni talk on "Catalyst –The ultimate strategies on how to win at work and in life" on 26th June 2021. The speaker, Priyanka M, is an alumnus of ECE department (Batch-2010-2014). She is currently working in VMware as a Project Manager. Here she is working on new technologies like Cloud Services, Cloud migration, Virtualization, Security etc and helps in delivering solutions to customers working with Sales teams alongside. She also said that she aspired to be a People Leader some day. The audience was IV and VI sem students. The session started with an introduction to ultimate strategies on how to win at work and in life. The alumni discussed about the kinds of catalysts which can boost career growth and had also given an insight on improving personal productivity. Students interacted with alumni at the end of the session by taking suggestions and clarifying doubts on identifying career goals and achieving them with the power of catalysts. The session was overall very informative.



# PEPWALK: ROADMAP TO BECOME A SUCCESSFUL DATA ENGINEER



IEEE, NHCE in association with Department of Electronics and Communication Engineering conducted an online event on Data Science on June 12th 2021. The speaker Mrs. Soumya Murthy is a pragmatic engineering leader with over a decades' experience in leading teams to architect and build large-scale, innovative solutions in the web and commerce domains. She is currently working as a Senior Engineer Manager, Data Engineer with over 15 years of experience in the IT field and has worked in major companies like Motorola, Yahoo, Reliance Jio, Reliance industries, LogMeIn, and now Target. A total of 61 students attended the session.



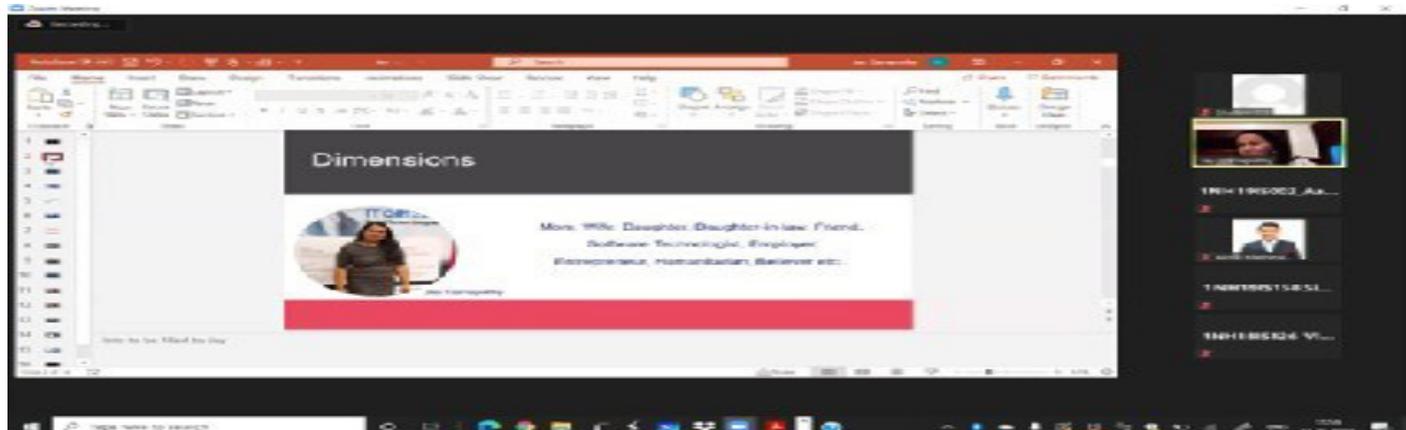
# QUBYTES 2021 – TECHNICAL FESTIVAL



The Department of Information Science and Engineering in association with department clubs organized an online intercollegiate students technical festival QuBytes 2021, from 8th June to 10th June, 2021. The technical fest totally had nine events and overall 530 students, from 11 external colleges along with our NHCE participated.

It was an excellent platform for participants as well as our student coordinators, who learnt to do all the nine events online, without any technical issues

# WEBINAR ON WOMEN IN TECHNOLOGY



The Women Empowerment Committee, NHCE in association with ITOrizon conducted a live webinar on “Women in Technology” which was organized by the Department of Information Science and Engineering on 4th June 2021 from 4:00 pm to 5:00 pm for all the girl students of the organization. The resource person for the event was Mrs. Jay Ganapathy, Vice President, ITOrizon and UCBOS, Atlanta, USA.

The webinar started with a welcome address and introduction of the guest speaker by Ms. Vismaye, 6th sem, Dept. of ISE. Mrs. Jay Ganapathy started the session by introducing herself and the major roles she plays in her everyday life. Mrs. Jay highlighted the importance of being a woman and various roles women can play in everyday life. She gave us an insight about her journey and various struggles that not only her, all the women might go through in the process. She also highlighted about the challenges women might face in their professional life and how to handle them. Mrs. Jay also spoke about the key points to be considered to have balance between professional and personal life.

The students got motivated to dream big and achieve their dreams by proper planning. It was very encouraging webinar for girl students to plan their successful professional life and balance it with personal life.

# TEQNIX-ISCRUM CLUB

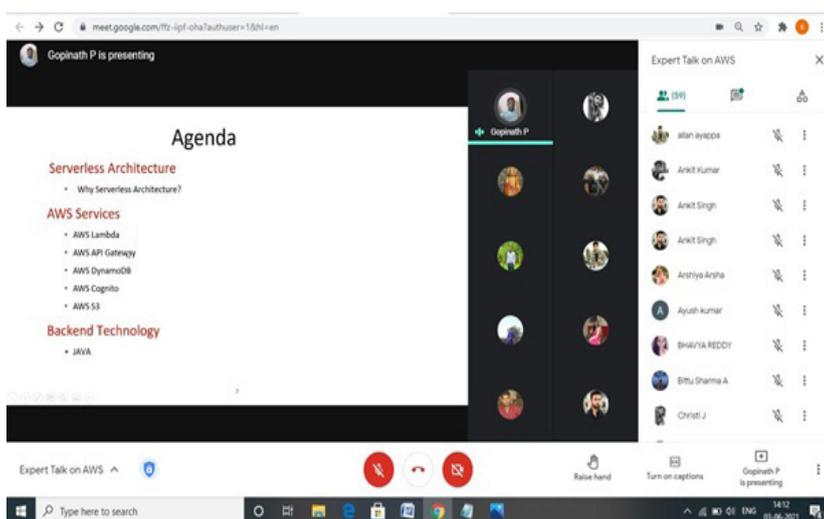


The i-SCRUM club of the Department of Information Science and Engineering conducted an inter departmental online technical event "TEQNIX" consisting of 3 rounds on 02/06/21 from 3:00 pm to 5:30 pm. There were 50 participants from various departments of NHCE.

The first round was "Dots and Bugs", a time-based round consisting of debugging questions and Morse code questions. Among the students participated in Dots and Bugs, 20 participants were qualified for round 2. The second round was Techtionary, in which each participant was presented with two pictures and they had to guess the pictures. Participants who guessed the pictures correctly were asked a question related to the picture. Based on the correct guess of the picture and correct answer to the question within given time limit, 9 out of 20 participants were qualified for round 3. The third round was "Tech-Talk" where the participants had to talk regarding the topic they got in 2nd round for minimum 2 minutes. Based on the technical contents, communication skills and confidence of the participants winners were declared. The first place of the TEQNIX event was won by Prakriti Sharma, VI sem, Dept. of ISE, following the second place by Gagan and Rohith, IV sem, Dept. of CSE and Dept. of ISE respectively and third place by Megha Padmini, IV sem, Dept. of ISE.

TEQNIX was successfully organised by the i-SCRUM club coordinators. Participants of the event had got an opportunity to show case their technical knowledge and skills, communicational skills.

## AN EXPERT LECTURE ON SERVERLESS AWS TECHNOLOGY



An expert lecture was delivered on June 3rd 2021, 2:00 pm through Google meet on "Serverless AWS Technology" by Mr. Gopinath P. This program was hosted by Department of MCA, NHCE. It was conducted for the students of MCA – IV semester, to get insights on the Serverless AWS Java and its use in industrial sector.

The talk gave the brief and clear explanation of Servers, Serverless Architecture of AWS and DynamoDB. The demo

was given for live examples which were discussed and explained. The example was very useful and gave an idea of how the students can easily create their own projects in Eclipse using Oracle database or DynamoDB and AWS services. The speaker of the session gave a brief idea of AWS- Lambda, methods and its integration and a brief overview of business logic executions and deployments.

The talk was very briefly arranged in a very clear way that it was very easy to understand. This webinar was extremely useful and beneficial as it gave the knowledge of Industrial working and hands on example of AWS Management and Integration. The event has also given an idea of importance of different programming languages and their use in the industry. This talk was a very good opportunity to learn about the new technologies emerging in industry in recent years and their growth in future.

# A WEBINAR ON DECODING DIGITAL DISTRACTION

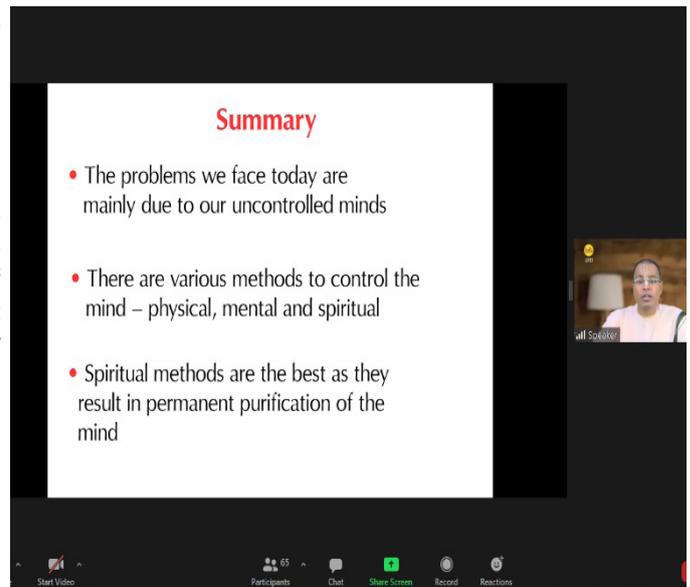
The Webinar was hosted by FOLK in dedication to the Founder of ISKCON A C Bhakti Vedanta Swami Prabh-upada.

It was solely based on the concept of Digital Distraction in today's world and on how to overcome Digital Distractions in our daily lives.

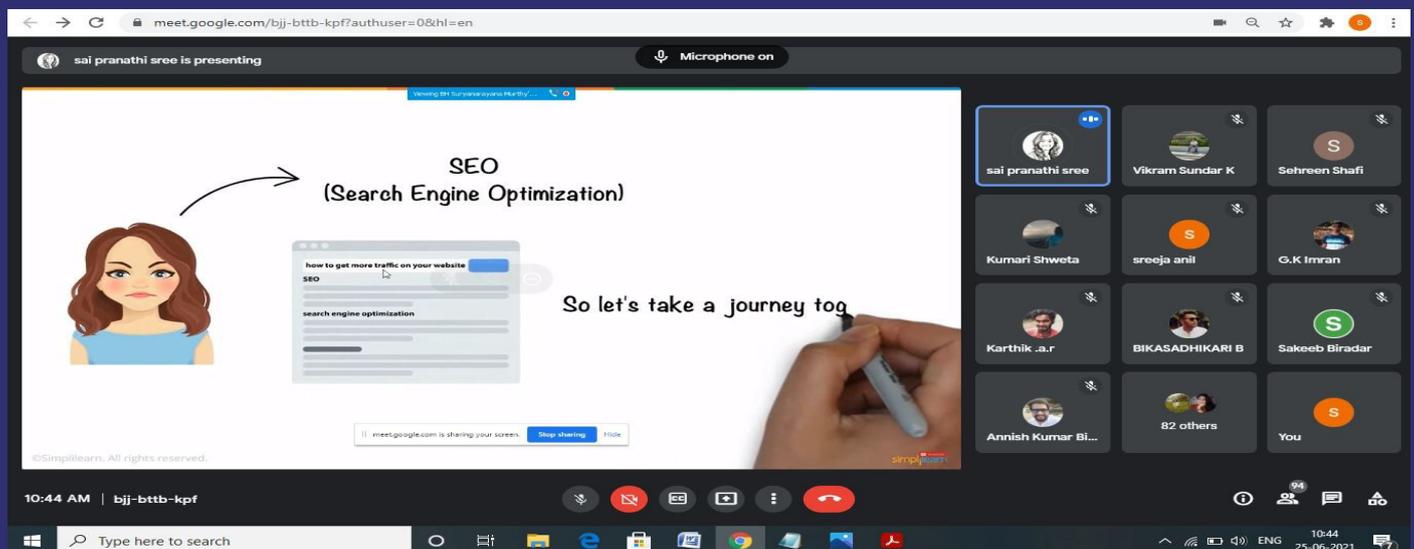
Anantha Shayana Dasa who was the speaker for the event, shared his valuable insights along with some methodologies on how to control one's mind. Some of the important topics which were covered, are as follows :

- Reasons why Digital Distractions is a danger to our Wellness.
- Various methods on how to manage Digital Distraction.
- Various methods to control our mind – Physical, Mental and Spiritual methods.

Steps to overcome Digital Distraction and lead a positive life.



# AN EXPERT LECTURE ON IMPACT OF DATA STRUCTURES ON SEO

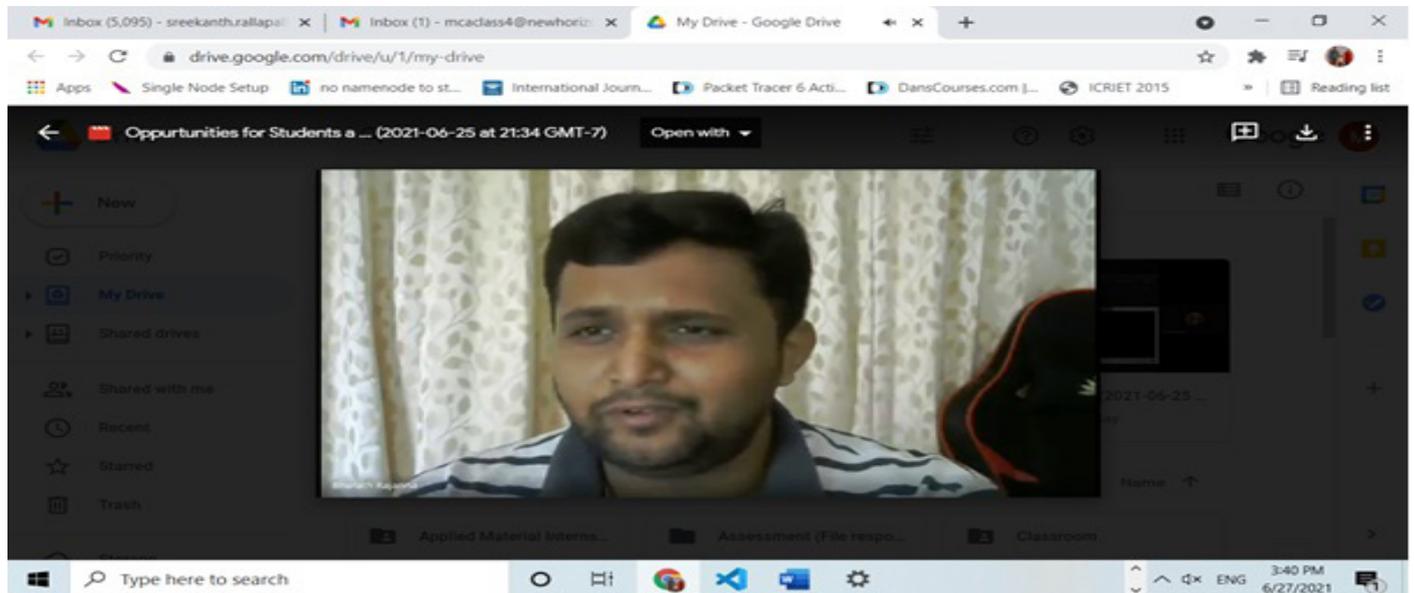


A webinar was delivered on June 25th 2021, 10:00 am through Google meet on the topic "Impact of Data Structures on SEO" by Ms. Sai Pranathi Sree. This program was hosted by Department of MCA, NHCE. It was held for students of MCA – II semester, to get insights on the Search Engine Optimizations by using various Data Structure search techniques.

The talk gave the brief and clear explanation of Data Structure algorithms like Searching and Sorting. The demo was given for live examples by using the Search Engine Techniques which were discussed and explained. The example was very useful and gave an idea of how the students can easily create their own projects using data Structure concepts. The speaker of the session gave a brief idea of various Searching and Sorting algorithms and its usages.

The talk was very briefly arranged in a very clear way that it was very easy to understand. This webinar was extremely useful and beneficial as it gave the knowledge of Industrial working on Search Engine Optimization Techniques. The event has also given an idea of importance of different programming languages and their use in the industry. This talk was a very good opportunity to learn about the new concepts emerging in industry in recent years and their growth in future.

# WEBINAR ON OPPORTUNITIES FOR STUDENTS AND FACULTY – EARLY-STAGE ENTREPRENEURS



A webinar session from NHCE Institution's innovation council & Department of MCA was hosted on 26th June 2021 with the theme being Opportunities for students and Faculty – Early-stage Entrepreneurs. The session was organized by Dr. Sreekanth R, Associate Professor, Dept. of MCA, NHCE. The Speakers for the session were Mr Ranganathan Krishna Rao, CEO at 10-minute biz tools and Mr. Bharat Rajanna, Founder & CEO edupinnacle.

## **OBJECTIVE:**

The objective of this lecture was how to motivate ourselves to become an entrepreneur. One cannot become entrepreneur without understanding what a failure is and how to overcome the failures and become successful entrepreneur. Hardships need to be faced during the transition period is also discussed.

## **CONTENT:**

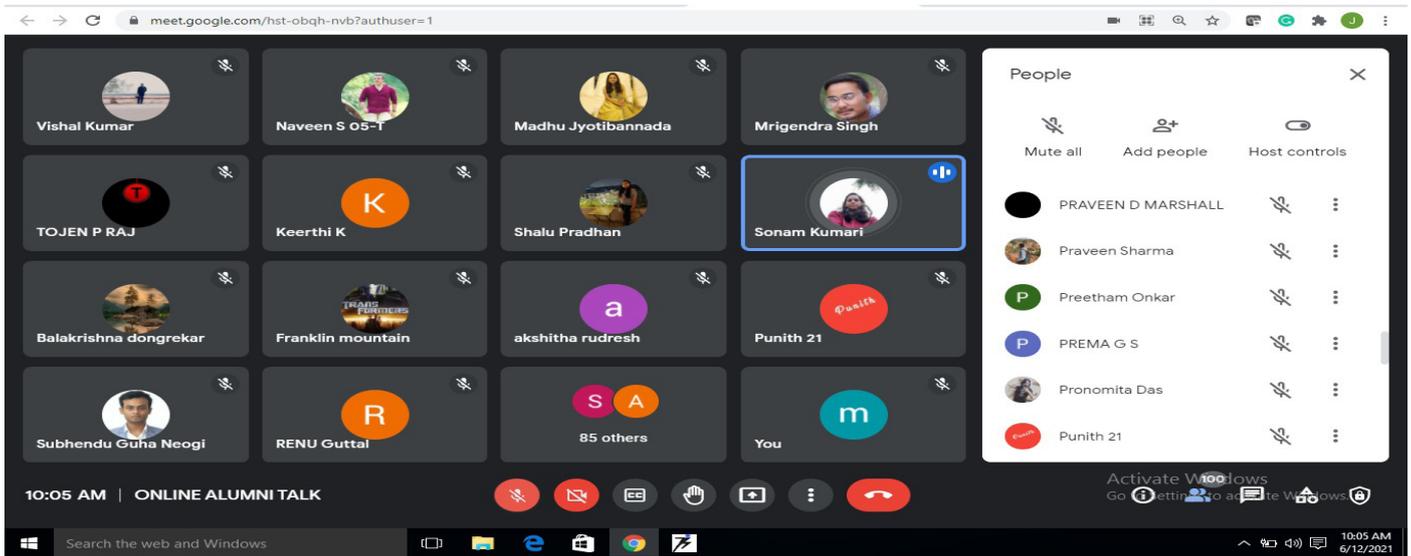
The webinar covers the following.

1. What is Entrepreneurship
2. Who can become an entrepreneur?
3. Success & Failures as an Entrepreneur
4. Role of Mentor
5. Milestones
6. How to build a start-up organization without any capital?

# AN ONLINE ALUMNI TALK ON ENABLING MICROSERVICES THROUGH AGILE METHODOLOGIES

An alumni talk was conducted on June 12th, 2021, at 10:00 a.m through Google meet titled "Enabling Microservices through Agile methodologies". Our college Alumni Ms. Sonam Kumari and Mr. Subhendu Guha Neogi were the resource persons for the same. This program was hosted by Department of MCA, NHCE. It was held for students of MCA –II & IV semester A total of 100 students participated in this session.

Ms Sonam Kumari discussed on agile methodologies. She started the session with an example. Explained the meaning of Agile with a flow chart and the need of this methodology. Discussed on the key terms involved in agile methodology with Agile values like responding to change over following a plan, individuals and interactions over processes and tools, working software over comprehensive documentation and customer collaboration over contract negotiation. She also discussed about various advantages



and implementation of agile methodology.

Mr. Subhendu discussed on micro services and modern application development and its working with a monolithic architecture. Discussed about the multi-architectural patterns and polyglot micro services world with a demo session.

The session was arranged to build network between alumni and students. At the end there was a Q&A session where students were able to clear their doubts and asked questions related to the topic.

# **PUBLISHER & EDITORIAL TEAM**

**Publisher:** Dr. Mohan Manghnani

Chairman, New Horizon Educational Institution

## **Editorial Board:**

Dr. Manjunatha, Principal, New Horizon College of Engineering

Dr. Bodhi Satvan, Principal, New Horizon College, Marathalli

Dr. Sunita Hangal, Director, New Horizon College, Kasturinagar

Dr. Sunita Hangal, Principal, New Horizon PU College, Kasturinagar

Dr. Savita Puri, Principal, New Horizon College of Education

Mr. H. N. Surya Prakash, Registrar, New Horizon College of Engineering

Prof. Gurucharan Singh, Director - Training & Placement

Mr. Karthik Iyer, HOD - Branding

Mr. Harish Prabhakaran, Head - Digital Marketing

Ms. Manjula V, Director - HR

**Editor:** Dr. K.G. Madhwaraj, Professor, Department of MCA

**Alumni Coordinator:** Mrs. Jincy C. Mathew

**Designer:** Mr. Charan Theja

**Photographer:** Mr. Ashok S