





ACADEMIC YEAR: 2020-2021 JANUARY 2021- JULY 2021

Dear Readers,

We are more than enthralled to announce the release of our Newsletter for the Academic Year 2020-2021, Volume-2.

"Little Drops of Water Make the Mighty Ocean", a saying we witness coming true each day. Our newsletter is just a droplet in the ocean that has already begun to form. This semester has been a successful one, a fact that will get lighter once you read this newsletter. I would like to heartily thank all the students and faculty for putting their heart and soul into this Newsletter. The editorial team deserves a special mention for their immense hard work! This newsletter will throw light on the events held by the Department of Computer Science and Engineering, achievements, the extra-curricular, co-curricular and academic success of the students and the faculty.

Dr. B. Rajalakshmi

HOD-CSE

I am delighted to inform that our Department of Computer Science and Engineering (CSE) at New Horizon College of Engineering, Bengaluru is releasing yet another outstanding Newsletter. This newsletter is an earnest endeavor of the editorial board to bring forward the department of CSE news on various activities and achievements. As we know that computer technology is progressing very fast and we have to have pace with it. CSE department is committed to achieve academic excellence and produce the best students who all are industry ready and good citizens. Our teachers and students are working hard and in innovative ways to lead in the field of CSE. With the support of qualified, dedicated and hardworking faculty along with outstanding leadership by Head of the Department, the department of CSE is bringing laurels to the New Horizon College of Engineering. I am proud of Head of the Department, all the faculty members, lab staffs and office supporting staff and all the students of CSE Department.

It is my pleasure to thanks and congratulates the editorial board on this pleasant occasion of publishing CSE department NEWSLETTER. It is great to find a considerable number of achievements specially placements which certainly prove that our faculty staff and the students are very bright and they possess necessary skills to bring name and fame to the department and college. I wish all the very best for future endeavors.

Dr. Amarjeet Singh

Dean Academics

Dear All,

Technology has been growing so exponentially over recent years, there has been a steady increase in demand for bright graduates to come in and help to transform areas ranging from data infrastructure to cyber security. It is important to stay up to date with the latest trends in computer science research, to make an informed choice about where to head next. I am happy to note that Department of Computer Science and Engineering is bringing out a newsletter. I am sure that this newsletter will bring value for all the students and readers who are interested in the area of Computer Science in form of latest developments made in technology. I wish, the department all the best for the publication of the Newsletter and in all their future endeavours.

Dr. Manjunatha

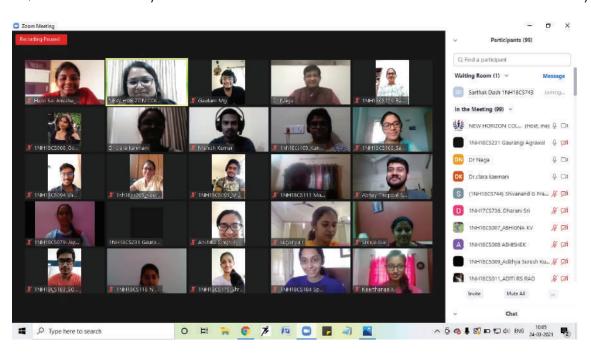
Principal

MOTIVATIONAL TALK "LIFESTYLE CHANGES IN THE POST COVID ERA"

The Department of Computer Science and Engineering, in association with CSI Student chapter organized an online motivational talk on the topic "Lifestyle changes in the post COVID era" for 6th semester students on 24th March 2021 from 10.00 AM to 12.00 PM. Resource person Dr. (Wgcdr) A. Nagasubramaniam, Facility Director, Fortis hospital addressed the session. Total 100 students participated and got benefit from this talk. Dr. (Wgcdr) A. Nagasubramaniam talked about the following points during his address

- · How COVID affected people's lives?
- · Shared few experiences of patients.
- · Hospital situation during COVID.
- Safety precautions to take during COVID.
- · How to form a habit?
- · Difference between success and failure.
- · Post COVID lifestyle changes.
- · Importance of physical movement.
- · Necessity of social service.
- · Importance of gratitude.
- · Developing hobbies.

Overall, session was very interactive and successful. Students benefitted immensely from it.



TRI-TECH-CUP — TECHNICAL QUIZ EVENT

The event "Tri-Tech-Cup" was conducted for the students of NHCE across all departments on 6th April 2021. It had 3 rounds. Round one was about "General Tech Quiz" ranging from code, personalities, logos and much more. Round two was about Code Debugging, predict the Output, fill the missing code. Round three was Quiz based on advanced and emerging technologies. All the rounds were conducted online on Quizizz platform.

The session started off with a brief introduction about the event and rules for all the rounds. Then we provided them the code to start their quiz. There were 47 participants for the first round, out of which we have shortlisted top 25 people for the second round. Out of 25 people we have shortlisted 15 people for the third round. Among 15 people we have announced 3 winners.

The event was well organized, interactive and all the participants really enjoyed their time and took away some key tips on how advanced technologies are changing.



INTERNATIONAL WEBINAR

The Department of Computer Science and Engineering organized an International Webinar on the topic "Machine Learning in Vertica using Python and SQL "under HP Centre of Excellence for the 6th semester CSE students on 7th April 2021. Resource person was Mr. Raghunath Pawar, Solution Architect at Vertica, APJ, Brisbane, Australia.

Topics Discussed were:

- 1. Vertica Advance Analytic Platform to analyze data anywhere and wherever needed Viz., In the Clouds, On-Premise, On Hadoop
- 2. Highlights on Vertica Advanced Analytical Capabilities
- 3. Vertica ML algorithms and sample use cases
- 4. VerticaPy Advantages
- 5. Working of AutoML on Vertica Python



INTERNATIONAL WEBINAR

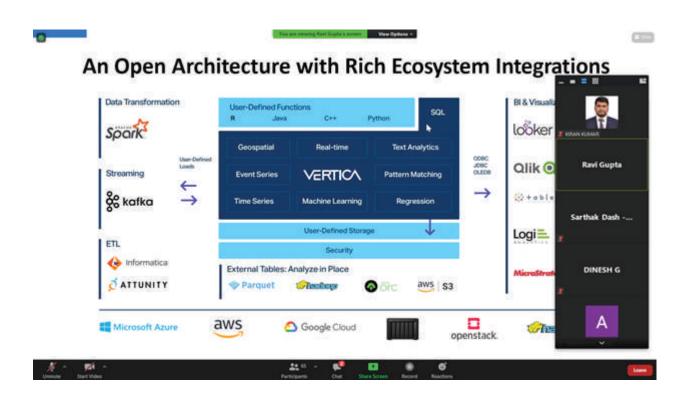
The Department of Computer Science and Engineering organized an International Webinar on "Vertica Using Python-A Beginners Guide" under HP Centre of Excellence for the 6th semester CSE students and Faculty of CSE on 22nd April 2021.

The Resource Persons were:

- 1. Mr. Raghunath Pawar, Solution Architect at Vertica, APJ, Brisbane, Australia.
- 2. Mr. Ravi Gupta, Principal Solution Architect, Micro Focus

Mr. Ravi Gupta gave a brief introduction to "Vertica-Unified Analytics Warehouse". He described about the open architecture of Vertica and its ecosystem, its performance in relation to seamless access to data and analytics, key requirements for a unified analytics warehouse and how to create a machine learning model in Vertica for prediction on a large database.

Later the session was taken over by Mr. Raghunath Pawar. Mr. Raghunath Pawar and Mr. Ravi Gupta answered all the questions posed by faculty and also gave an insight on few research directions where predictive machine learning models can be used.



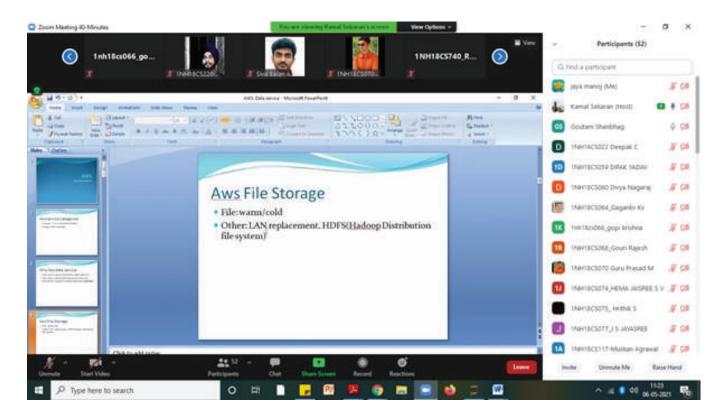
EXPERT LECTURE

The Department of Computer Science and Engineering organized an Expert Lecture on "Data Mining Algorithms" for the 6th semester CSE students on 24th April 2021. The resource Person was Ms. Deepa Dhevan, Data Scientist, Rubixe Technologies, Bangalore. Around 100 students participated and benefitted from the expert lecture.



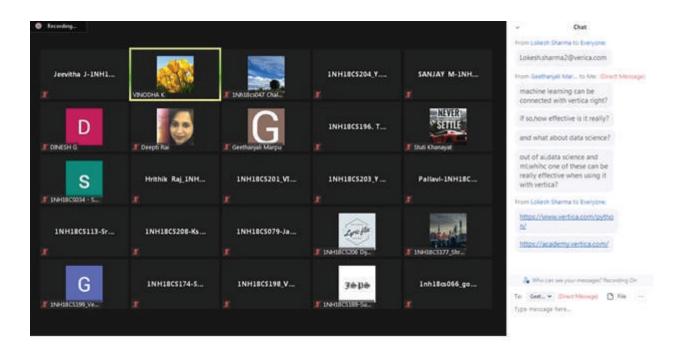
EXPERT LECTURE — AWS DATA SERVICES

The Department of Computer Science and Engineering organized an Expert Lecture on "AWS Data Services" for the 6th semester CSE students on 6th May 2021. The resource person was Mr. Kamalasekaran, Azure Architect, Tata Consultancy Services, Bangalore. He spoke about the importance of educating graduates about the latest cloud computing trends to make them job ready for industry.



TECHNICAL TALK OVERVIEW OF VERTICA AND ANALYTICS INDUSTRY

The Department of Computer Science and Engineering organized a Technical talk on "Overview of Vertica and Analytics Industry" under HP Centre of Excellence for the 6th semester CSE students on 7th May 2021. Resource person was Mr. Lokesh Sharma, Sales Director, Vertica — India and SAARC. In his talk, he summarized the difference between OLTP and OLAP. Mr. Lokesh explained the various features of Vertica related to its performance and customer use cases. He suggested the faculty members and the students to register in academy.vertica.com to access all free Vertica related sessions. Overall, the session was informative and interactive.



EXPERT LECTURE CURRENT TRENDS IN MACHINE LEARNING

The Department of Computer Science and Engineering organized an expert lecture on "Current Trends in Machine Learning" for the 8th semester CSE students on 8th May 2021. The resource person was Mr. Rajesh Sanu, Director, Clap Collaboration, Bangalore. He gave elaborate information on current job trends in Machine Learning field in industry.



CLUB EVENT - APPWIZ

The Department of Computer Science and Engineering as part under its MD Club, conducted their first event on 8th May 2021 at 11.00 AM through online zoom platform. Around 85 students attended the event.

There were 3 sessions/rounds in the event.

First Round: Quick quiz

Second Round: Advance round (Tech)

Third Round: JAM

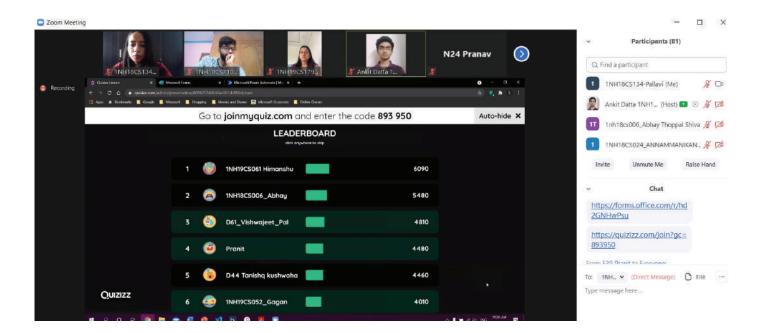
First round quiz included topics related to app technology and also Pictionary. Twenty students were selected for second round which was advanced technical round. Final round is Just A Minute (JAM), for top 6 performers of the second round. Winners were selected by judges based on performance. Details of winners are as given below

AppWiz Winners-

1st place - Name-Shivini Sampath usn-1NH18CS745

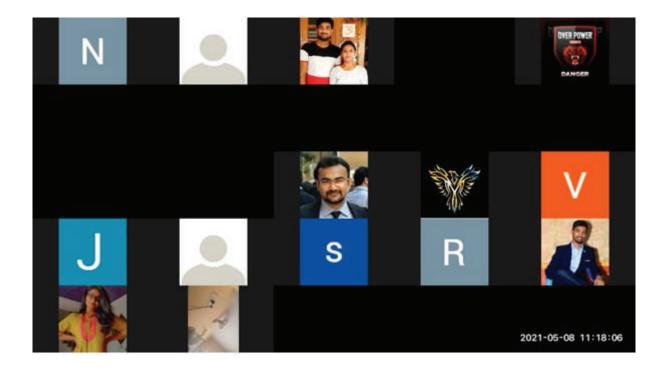
2nd place - Name-Venkata Sai Kumar Guntupalli usn-1NH18CS199

3rd place - Name-Abhay Thoppal Shiva usn-1NH18CS006



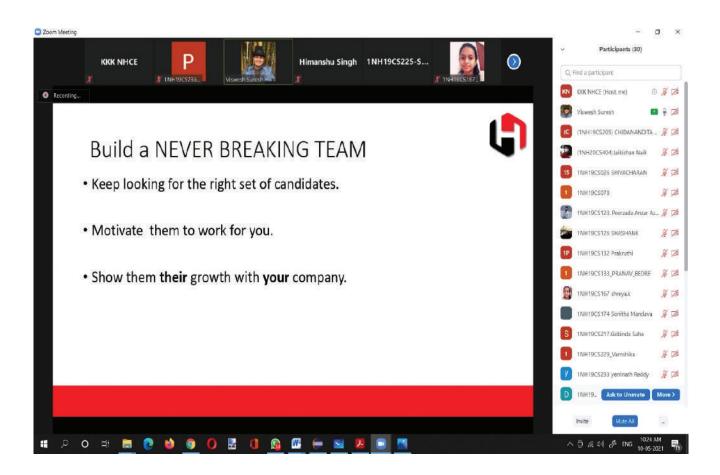
ONLINE ALUMNI TALK CAMPUS TO COOPERATE ROADMAP TO SUCCESS

The Department of Computer Science and Engineering in association with CSI Student chapter organized an online "ALUMNI TALK" on 8th May 2021, from 11 AM to 12 PM. The invited alumni speaker for the event was Mr. Brijesh K R. He graduated from NHCE in the year 2017 and is currently working as Senior Software Engineer in Happiest Minds Ltd. He addressed the 6th semester students and guided students with tips to face placement drives and the mandatory changes they encounter as they move from campus to corporate. Over 40 students from 6th semester joined the meet. The session was interactive where students were eager to know about the challenges their seniors faced while transitioning from campus to corporate life. The speaker gave an insight on the expectations of companies and how to develop the skills required for the same.



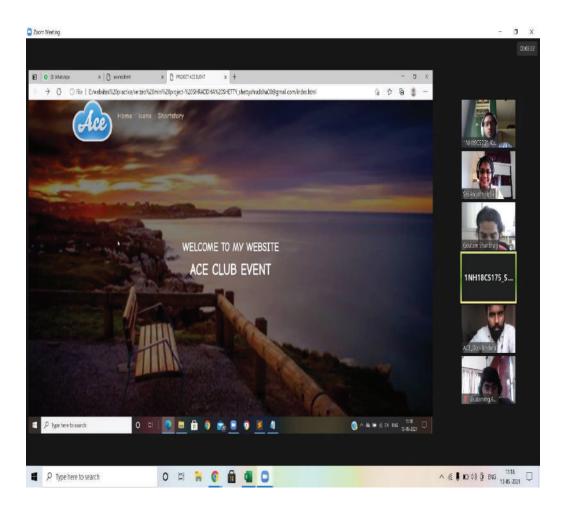
WEBINAR - HEAD START FAILURE STORIES OF START-UPS

The Department of Computer Science and Engineering organized a webinar for the students of CSE department on the topic "Head Start — Failure Stories of Start-Ups "as part of its Entrepreneurship Development Cell in association with Computer Society of India student chapter on 10th May 2021. The speaker for the event was Mr. Viswesh Suresh, Founder, Humanoid Systems. The session was very interactive and participants were involved completely in learning fundamentals such as challenges, goal, vision, believing your product/service, building a strong team, managing finance, and pipelining your business. Speaker addressed all the questions from participants.



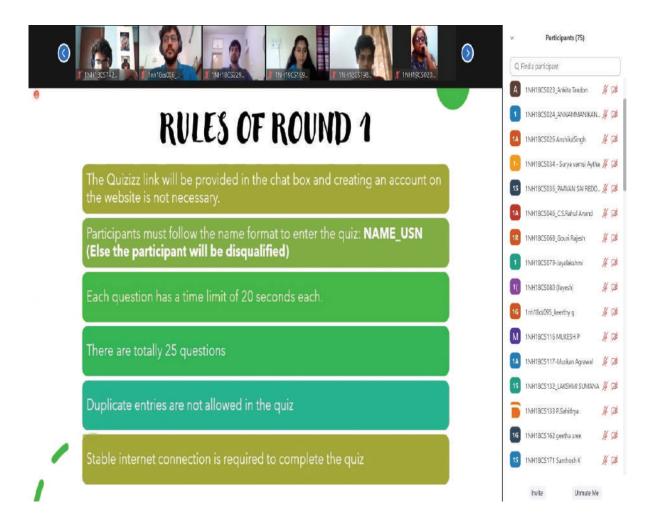
CLUB EVENT - COPYCAT

The Department of Computer Science and Engineering organized an event "Copy Cat" as part of ACE club event for the students of Department of CSE on 13th May 2021. A template of a webpage would be provided and the participants have to try to make a copy of the same and add their own ideas to it. The session started off with a brief introduction about the event and rules for all the rounds. There were 61 participants registered to the event. 15 people built the website, among 15 people we have announced 6 winners. The event was well organized, interactive and all the participants really enjoyed their time and took away some key tips on how advanced technologies are changing.



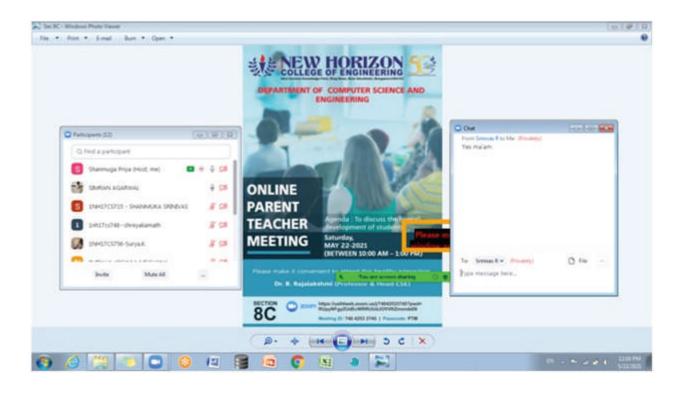
CLUB EVENT — BIT VISION

The Department of Computer Science and Engineering as part of Business and Information Technology Club had organized an interdepartmental event titled Bit Vision for the students on 18th May 2021. The event was aimed at students who wanted to showcase their Java and Python coding skills and their general knowledge about technology and applications. Round 1 of the events was named Logo Quiz. Round 2 was named Audio Quiz. Round 3 was named Puzzled Codes. There were 75 participants who participated in the event. The event was conducted online using Google meet.



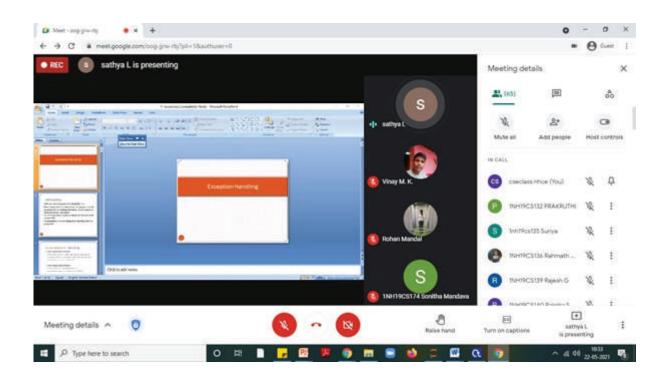
PTM MEETING

The Department of CSE organized "Online Parent-Teacher Meet" on 22nd May 2021, for the 4th, 6th, and 8th semester that served as a connection platform for parents, teachers and the students, where teacher and parents come together to enrich the student's educational experiences and discussed variety of issues, regarding all round development of students. Around 260 parents have joined for the meeting. The meeting was organized in such a way that parents had a chance of one-to-one interaction with the teachers. It aimed at bridging the gap between parents, students and teachers, keeping parents inform about their ward's performance and progress, discussed the causes behind the student behaviour and performance. This enabled the parents to know about the areas of improvements of their ward, so that they make him/her work towards improvement in the courses required. This meeting provided a platform where the parents and teachers also got to know about each individual personally, so that they can plan accordingly for better results and growth of our students. Overall, it is a platform for sharing the suggestions that helps in improving our students' progress. Parents' queries were addressed by the respective section class teacher and faculty.



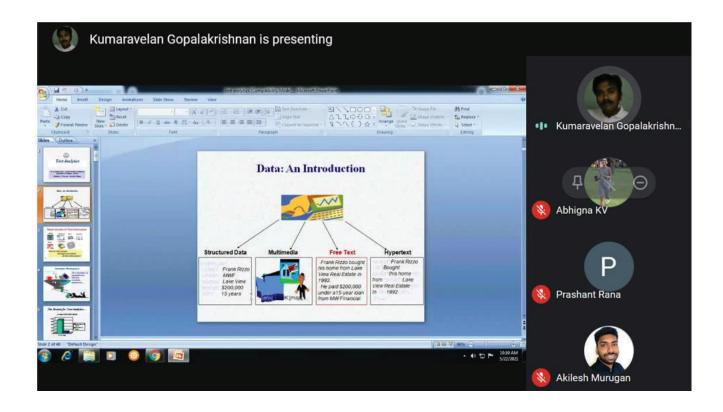
INDUSTRY EXPERT LECTURE

The Department of Computer Science and Engineering organized an expert lecture on "Building projects using exception handling in Java" for the 6th semester students of CSE department on 22nd May 2021. The resource Person was Mr. Ramkumar, Technology Lead, Wells Fargo, Bangalore. He emphasized the need for innovative projects in Java in the current industry scenario. These projects would be beneficial for the future placement and growth.



WORKSHOP – TEXT ANALYTICS

The Department of Computer Science and Engineering in association with Industry Institute Interaction Cell (Dept. of HRD) under IBM OpenPOWER Centre of Excellence, conducted a workshop on "Text Analytics" for the students of department of CSE on 22nd May 2021. The workshop was led by Dr. G. Kumaravelan, Professor, Department of CSE, Pondicherry University. This session was about text analysis and text mining process which converts text into numeric data for the ease of analytics as ML algorithms can be applied only when the given data is numeric. He discussed about IR techniques and gave a beautiful running example of how to check two documents that are related, by converting the text to numbers. He also explained different types data that data analyst or a text analyst works on. He also spoke about how high the scope of this particular job would be in industry.

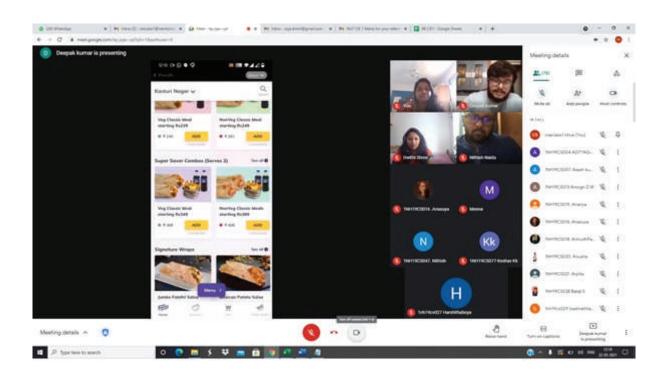


ONLINE ALUMNI TALK EMERGING TRENDS IN INDUSTRY

The Department of Computer Science and Engineering in association with CSI Student chapter organized an online "ALUMNI TALK" for the 4th semester students on 22nd May 2021 from 12 PM to 1 PM. There were 3 speakers for the event.

- 1. Deepak Kumar, graduated from NHCE in the year 2015. Currently working as Deputy manager operations/Business Analyst in Loadshare network Pvt ltd.
- 2. Dwithishree H S, graduated from NHCE in the year 2017. Currently working as Software Engineer in DELLEMC.
- 3. Nithish Naidu, graduated from NHCE in the year 2019. Currently working as Software Development Engineer in FullThrottle Labs.

Speakers addressed 2^{nd} year students and gave an introduction to few of the technologies relevant to industry like Flutter, Super App, Advances in storage systems, etc. Over 80 students from 4^{th} semester joined the meet. The session was interactive where students were eager to know about the emerging trends and challenges their seniors faced while transitioning from campus to corporate life. The speakers also gave an insight on the expectations of companies and how to develop the skills required for the same.



NATIONAL CONFERENCE ON ADVANCEMENTS IN COMPUTER SCIENCE AND ENGINEERING (NCACSE- 2021)

The Third National conference on Advancements in Computer Science and Engineering (NCACSE-2021) was conducted on 26th May 2021 by the Department of Computer Science and Engineering at the New Horizon College of Engineering Bangalore. The conference provided a common forum for deliberations, sharing of recent trends, advancements and research in the area of Computer Science. It was a very good platform for academia, researchers and technologists to discuss and present recent advances and research outcomes. Technical papers were invited on, domains like Image processing, Big data analytics, Machine learning, Deep Learning, IoT, Network security, Cloud computing, Data Mining and Blockchain. A total of 79 papers were received. These papers were all sent for technical review conducted by well qualified academia. Papers were presented parallelly in 4 tracks namely, Big Data Analytics, Artificial Intelligence and Deep Learning, Internet of Things and Machine Learning. Due to the prevailing Covid-19 situation, all papers were presented online using ZOOM or Google Meet. All these papers will also be published in the "International Journal of Scientific Research in Science, Engineering and Technology", a Peer reviewed International Journal.

Track 1: Machine Learning

Internal Session Chair: Dr. Vaishali M Deshmukh, Associate Professor, CSE, NHCE.

External Session Chair: Dr.Debabrata Samanta, Sr.AP, CSE, CHRIST (Deemed to be University), Bangalore.

Track In charge: Ms. Pramilarani K, Sr. Asst Prof, CSE, NHCE.

Best Paper: Paper-id: NC_003, Eye Control of Devices for Paralysed and Semi Paralysed BY Shruthi M, Sushmitha, S Selva Lavanya and Manjunatha Swamy from NHCE Bangalore

Track 2: Artificial Intelligence and Deep Learning

Internal Session Chair: Dr. Senthil Kumar R, Associate Prof, CSE, NHCE

External Session Chair :Dr. E Saravana Kumar, Professor, CSE, Oxford College of Engineering, Bangalore

Track In charge: Ms. Asha Rani Borah, Sr. Asst Prof, CSE, NHCE

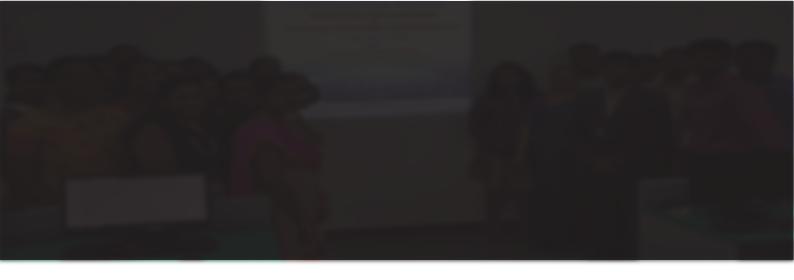
Best Paper : Paper-id: NC_021, HeaBot+ - Al ChatBot for Personal, Emotional and Medical Assistance By Aishwarya Kadali , Lakshmi M S, Dr. R. Jaya from NHCE, Bangalore

Track 3: Internet of Things

Internal Session Chair: Dr.Thirukkumaran R, Assoc. Prof, NHCE

External Session Chair: Dr.J Rangarajan, Professor, ECE, Muthayammal College of

Engineering, Tamil Nadu



Track In charge: Mr. Siva Balan N, Sr. Asst Prof, CSE, NHCE

Best Paper : Paper-id: NC_050, Signature Originality Check using Variation Extraction, By Samruddhi Chavan, Hitesh Choudhari, Vishwajit Jadhav, Rakesh Suryawanshi from AC Patil College of Engineering, Maharashtra

Track 4: Big Data Analytics

Internal Session Chair: Dr. Jaya R, Assoc.Prof, CSE, NHCE

External Session Chair: Dr.Shilpa , Assoc.Prof, CSE, MSRIT, Bangalore.

Track In charge : Ms. Suganya.R, Sr.Asst.Prof, CSE , NHCE

Best Paper: Paper-id: NC_054, Feature selection using nature inspired modified firefly algorithm, BY B Shashikala, Dr. R.Saravanakumar from Dayananda Sagar College of Engineering, Bangalore.

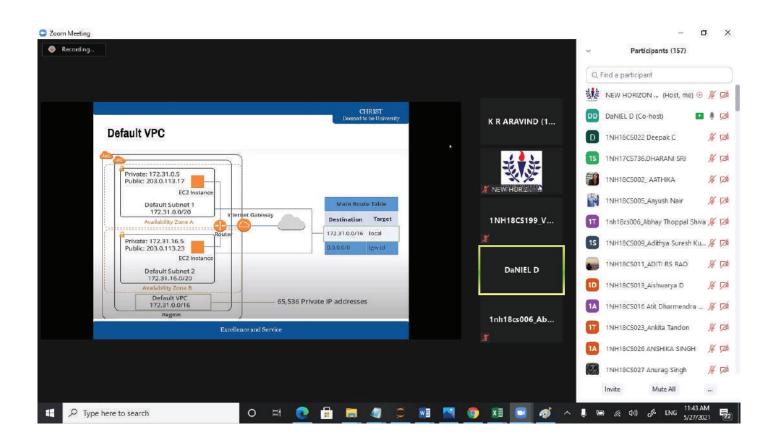
The Department of Computer Science and Engineering in association with Industry Institute Interaction Cell (Dept. of HRD) organized a webinar on "WWW.BIGDATA.REQ" under VERTICA Centre of Excellence for 5th semester CSE students on 6-11-2020. Mr. Lokesh Sharma, Sales Director, Vertica — India and SAARC was the resource person and he addressed what is big data, where is it used, whom is it for and why is it required (Career Perspective).





TECHNICAL TALK — EXPLORING REAL TIME AWS CLOUD FEATURES

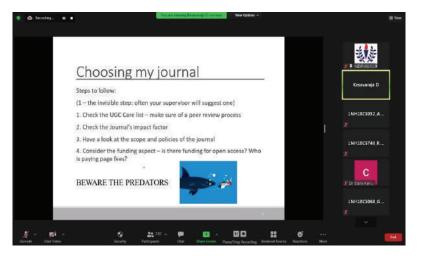
The Department of Computer Science and Engineering in association with Computer Society of India organized a technical talk on "Exploring Real time AWS Cloud Features" for the 6th semester students on 27th May 2021. The technical talk was given by Dr. Daniel D, Assistant Professor, Christ University, Bangalore. He elaborated on the impact of Cloud Computing technology in today's world. He spoke at length about the AWS cloud features and its wide-ranging benefits in the area of cloud computing. He also outlined the job market scenario with regard to this domain.



WEBINAR ON DESIGNING A SCIENTIFIC RESEARCH PAPER

The Department of Computer Science and Engineering conducted a Webinar on "Designing a Scientific Research paper" on 11th June 2021 for 6th semester students of CSE. 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, Associate Professor, College of Engineering, Tiruchendur. The event was organized for 6th 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 raised by the participants.





WORKSHOP ON SALESFORCE OVERVIEW & JOURNEY TO SALESFORCE

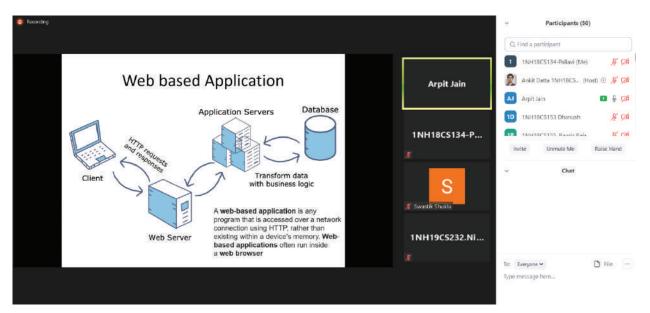
The Department of Computer Science and Engineering organized a Workshop on "Salesforce overview & Journey to Salesforce" on 12th June 2021 for 6th semester students of CSE. The Resource Person was Mr. Sahayaraj, Assistant Manager —Salesforce, WABCO - ZF Group. This workshop focused on Salesforce; a leading 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.





MD CLUB EVENT HANDS-ON SESSION ON DESKTOP BASED APPLICATION VS WEB BASED APPLICATION USING JAVA

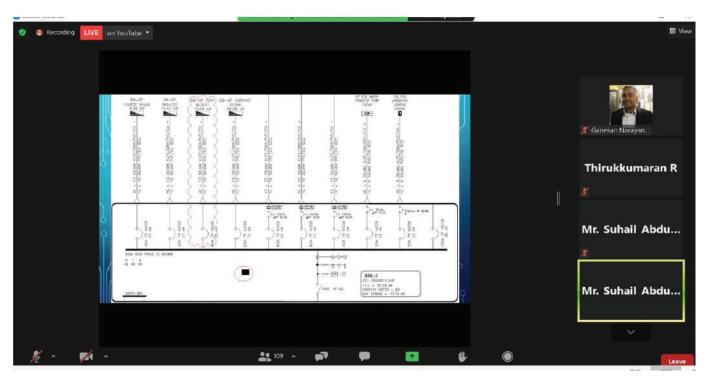
The Mobile App Development Club of the Department of Computer Science and Engineering organized a Hands-on Session on "Desktop-based Application Vs Web-based Application using Java" on 12th June 2021 for the 4th semester students of CSE. The resource person of the event, Mr Arpit Jain, is the Centre 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.





WEBINAR ON AI FEATURES AND USE CASES

The Department of Computer Science & Engineering in association with Industry Institute Interaction Cell (Dept. of HRD) under IBM OpenPOWER CENTRE OF EXCELLENCE Organized a Webinar on "AI FEATURES AND USE CASES" on 12th June 2021 for the benefit of 6th and 8th Sem Students of CSE. 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

The Industry Institute Interaction Cell of NHCE and the 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 18th June 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 faculty members from the department of CSE attended the session and got benefited. The Department of CSE is thankful to Mr. Binod Kumar for supporting in organizing this purposeful event.



BIT CLUB EVENT: FACTOTUM

The Business and Information Technology Club had organized an Interdepartmental event titled "Factotum" on 21st 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.





INFOCUS TALK SERIES EPISODE-2: MICROSOFT POWER PLATFORMS FUNDAMENTALS

The Students of CSE and ISE hosted the event Infocus talk Series Episode-2: "Microsoft Power Platforms-Fundamentals" 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 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.



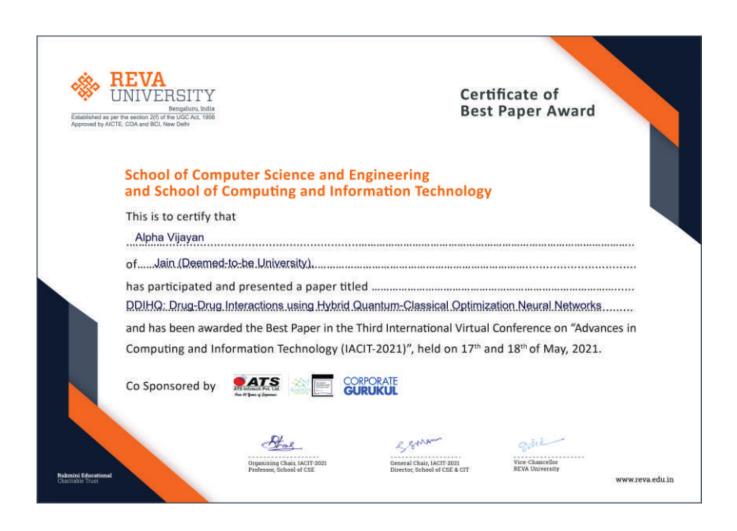
MICROSOFT-365: FUNDAMENTALS

The students of CSE and ISE hosted the event Infocus talk Series Episode-2: "Microsoft 365-Fundamentals" 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.



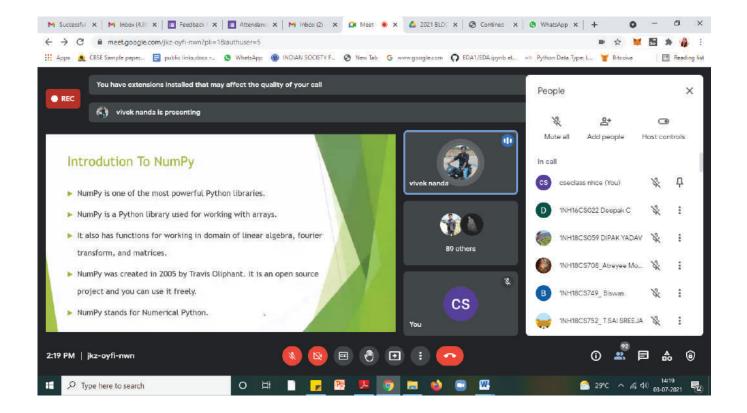
FACULTY ACHIEVEMENTS

Ms. Alpha Vijayan, Senior Assistant Professor, department of CSE presented a paper titled "DDIHQ- Drug-Drug Interactions using Hybrid Quantum Classical Optimization Neural Networks" as a part of research work and received the Best Paper Award at the Third International Virtual Conference on "Advances in Computing and Information Technology (IACIT-2021) on 17th-18th May 2021, organized by REVA University, Bengaluru, India.



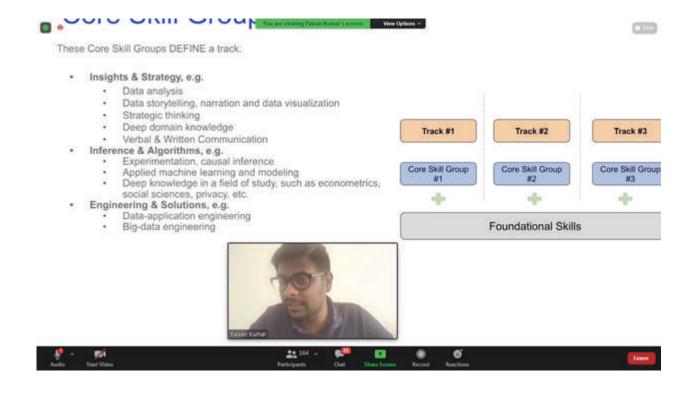
EXPERT LECTURE ON NUMPY AND PANDAS IN PYTHON

The Department of Computer Science and Engineering organized an expert lecture on "NumPy and Pandas in Python" for the 6th semester CSE students on 3rd July 2021. The resource person was Mr. Vivekananda, Software Engineer, Wells FARGO. This expert lecture was focused on NumPy and Pandas in Python. The Pandas module mainly works with the tabular data, whereas the NumPy module works with the numerical data. The Pandas provides powerful tools like DataFrame and Series that are primarily used for analyzing the data, whereas in NumPy module offers a powerful object called Array. The resource person gave a hands-on session using PyCharm and explained the importance of NumPy and Pandas libraries. Around 95 students took part in this workshop and gained knowledge on Python.



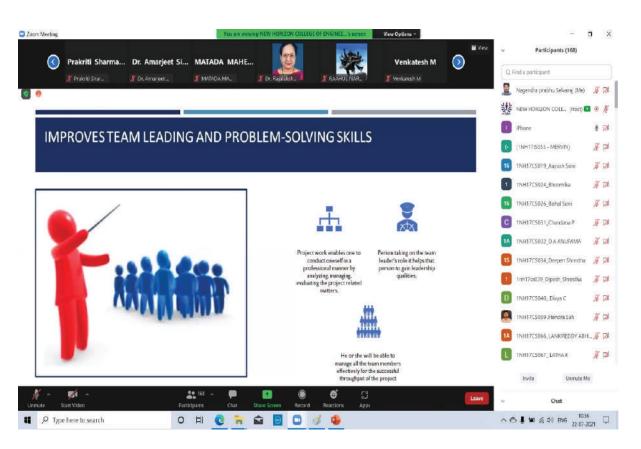
FDP ON "RESEARCH PERSPECTIVES ON DATA SCIENCE AND DEEP LEARNING"

The Department of Computer Science and Engineering organized a Five-day National Level Virtual FDP on "Research perspectives on Data Science and Deep Learning" from 12th July to 16th July 2021. Data Science is a multidisciplinary approach to extracting actionable insights from the large and ever-increasing volumes of data. The chief guest of the FDP was Mr Pawan Kumar, Head, Data Science & Analytics R& D, Uber, Bangalore. The entire FDP will focus on important aspects of Data Science and Deep learning and resource persons are high profile industry experts and academicians from leading institutions. All the resources persons were from esteemed institutions and industries and delivered very effective knowledge transfer. Around 300 participants across the country took part and benefitted from the FDP.



TECHORIZON 2021

TECHORIZON 2021 is a technical project exhibition for eighth-semester students organized by NHCE sponsored on 22nd July 2021 by UNIABROAD, a one-stop solution for overseas education. Twenty-seven teams have participated in the 1st round of this exhibition from the Department of Computer Science Engineering, and the experts selected 15 teams for the 2nd round. The Department of Computer Science and Engineering hosted the 2nd round on 22nd July 2021 for Techorizon to choose the best two projects. Dr. Anitha, Professor, and Head, Department of CSE, RV Institute of Technology and Management, JP Nagar, Bangalore, was the External jury for the Techorizon exhibition. The experts examined and evaluated the projects based on selection criteria. The 1st position was grabbed by the project titled "EYE CONTROL OF DEVICES FOR PARALYSED AND SEMI PARALYSED," Team members: Shruthi M, Sushmitha, S Selva Lavanya. The winner of the 2nd position was Ms. Lakshmi and Ms. Aishwarya Kadali, project titled "HEABOT- AI CHATBOT FOR PERSONAL EMOTIONAL AND MEDICAL ASSISTANCE."



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