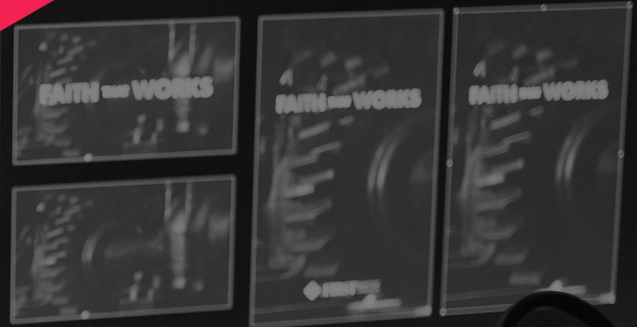




DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER



Dear All,

It gives me immense pleasure that the newsletter for the quarter (August 2019-October 2019) has been released. I would like to congratulate my students and faculty members for adding one more feather in the Department's cap by bringing out the newsletter for this academic quarter. This newsletter is a small step, but the step in the right direction and such endeavors will help us reach the top. As you read through the pages you will realize, that the Department had an extremely successful semester. I would like to thank all my faculty members for their tireless efforts to help the department progress at a very steady pace. Efforts of the editorial board are highly commendable. This newsletter encloses and describes the achievements of the students and faculty members from the CSE department in curricular, co-curricular and extra-curricular activities and the events organized by Department of Computer Science and Engineering

Dr. B. Rajalakshmi

HOD-CSE

Dear Reader,

First of all, I would like to congratulate the department of CSE for the publication of this quarterly newsletter. I am sure this newsletter will act as a consolidated information resource for all the events that have been organized by the CSE department in the past three months. In addition to curricular activities, NHCE prides itself in encouraging co-curricular and extra-curricular activities, and I am sure that this newsletter will encourage students to be more involved in such activities. My best wishes to the CSE Department.

Dr. Prashanth CSR

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

AMERICAN EXPRESS CODESTREET'19

NHCE in association with American Express organized the finale of a month-long Hackathon on 10th August 2019. The four themes of the Hackathon were:

- Open Innovation
- Security and Fraud Detection
- Scalable and Resilient distributed systems.
- Payments

There were around 500 final participants from all over India out of 4000 total entries. The events that were conducted are as follows:

1. Hackathon (Opened only to final/pre-final students) - Online+Offline rounds
2. Other events that were conducted during offline tech-fest (Open to students across all graduation years)
 - Quizzes
 - Live Coding Challenge
 - Panel Discussions
 - Tech Booths

The winners were awarded prizes worth Rs 2, 10,000. New Horizon College of Engineering outshined with 2 students amongst the top 5 participants in the coding competition, and 2 students in the top 10 winners of the quiz contest. Students from NHCE also bagged the vouchers through Tech Booths and Panel Discussion.



EXPERT LECTURE ON CYBER SECURITY FUNDAMENTALS

The department of CSE organized an expert lecture on the topic "CYBER SECURITY FUNDAMENTALS". The event was conducted on 10th August 2019. Mr. Abbas Isaac, Director, CTS, was invited to speak on topic Cyber Security. The speaker highlighted the different tools available for deployment and also gave an insight on the basics of industry standards. He also spoke about various technologies.



CSI-STUDENT CHAPTER INAUGURATION FOR AY 2019-20

The inaugural ceremony of the Computer Society of India, Student Chapter for the academic year 2019-20, took place on 23rd August 2019. The ceremony was graced by the presence of Mr. Ritwik Batabyal, Chief of Engineering and Technology and Head of NextGen Business Products at Wipro who humbly accepted to be the Chief Guest. The ceremony started with an invocation song presented by the choir. Dr. B Rajalakshmi, HOD, Computer Science and Engineering welcomed the gathering. The dignitaries then participated in the lighting of the lamp to formally start the event. The new office bearers of the Student Chapter were introduced to the audience. Dr. Prashanth CSR, Dean Academics then spoke about the emerging technologies and how the students should grasp them to be successful computer science engineers. Our Principal, Dr. Manjunatha who was present during the presidential address spoke about how students can learn new concepts via the mini projects included in the curriculum. This was followed by the keynote address by Mr. Ritwik Batabyal who spoke about the industrial experience along with the lesson learned in his journey to become an accomplished person. The vote of thanks was presented by Mr. Rahul M Dinesh, Vice President of the CSI Student Chapter. The event concluded with singing of the national anthem. The students of CSE, ISE, and MCA department were greatly benefited from this event.



HOUR OF CODE

This event was conducted on 23rd August 2019. It commenced with the first round at 9:30 AM which consisted of 40 aptitude questions. The first round had 73 participants, and the 2nd round commenced after the break and consisted of 24 participants. This round was a code error finding round and consisted of 20 questions. Round 3 had 6 participants and commenced at 2 PM. This was a coding round with 10 questions, each with a problem statement. The whole event was over by 4 PM.



EXPERT LECTURE ON USAGE OF DBMS IN THE INDUSTRY

The department of CSE organized an expert lecture on 24th August 2019. The topic of this lecture was "USAGE OF DBMS IN THE INDUSTRY". Mr. Vinod Unnikrishnan, Associate Director, Virtusa, was invited to speak on topics of sql: joins, triggers, assertion etc. The speaker highlighted the different tools available for deployment and also gave an insight on the basic of DBMS. He also spoke about various technologies.



5
T
E
N
E
V
E
N
T

EXPERT LECTURE ON AI/ML

The department of CSE organized an expert lecture on the topic "AI/ML". This event was conducted on 24th August 2019, where the speaker Mr. Sudipta Mukherjee, Principal solution designer, Sutherland global, was invited to speak on different topics of basic AI/ML. The speaker highlighted the different tools available for deployment and also gave an insight on the basics of various projects. He also spoke about various technologies.



MOTIVATIONAL TALK ON INTRODUCTION TO EMOTIONS AND MANAGEMENT OF EMOTIONS

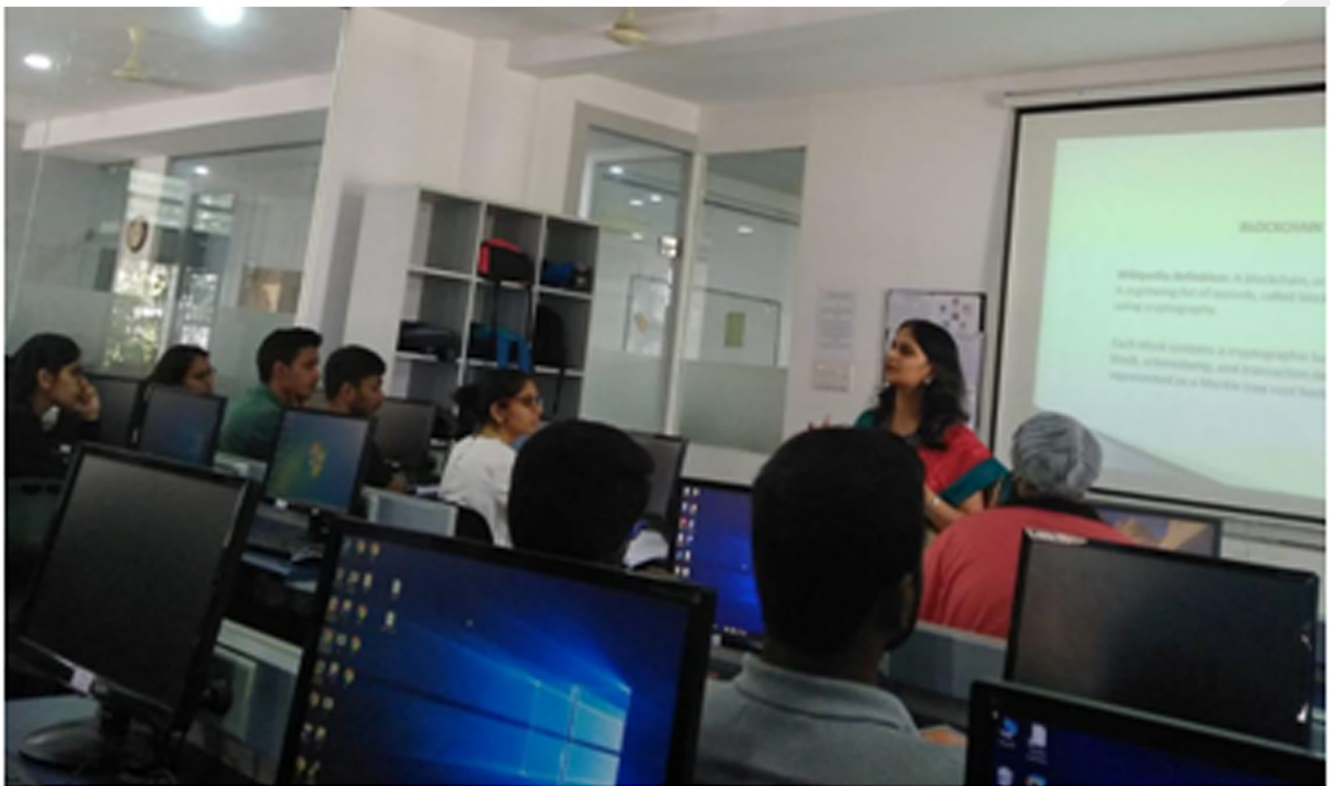
Department of CSE organized a motivational talk on the topic "Introduction to emotions and management of emotions". The event was conducted on 24th August 2019 where Mr. Eshwar Sundaresan, Life Skills Trainer, was invited to address the students on how to manage emotions in various life situations. Students attended the session cheerfully.



EVENT

BIT CLUB EVENT FUNDAMENTALS OF BLOCK CHAIN

The student's club BIT from the department of CSE conducted a brief tech talk on "Fundamentals of Block chain". The event was conducted on 28th August 2019. Student wanted this talk to get an insight on the basic working of blockchain, as it is an emerging topic currently into . Ms.Jaya, Sr. AP Assistant Professor from the CSE department delivered the talk as she is well experienced with the concepts of Blockchain. Overall students found this talk interesting and helpful for their future projects.



SPACE QUIZ BY ISRO AND MYGOV

Department of CSE wishes to place this achievement on record that Mr.G.V.Sainath, bearing USN 1NH16CS033 participated in a "Space Quiz" that was organized by ISRO and MYGOV. It was completely a technical quiz and also had a little history of ISRO. Also shortlisted students were invited to ISRO headquarters for the LIVE landing event of CHANDRAYAAN 2 - VIKRAM LANDER.



MOBILE APPLICATION DEVELOPMENT LAB INAUGURATION

Mobile Application Development Lab was inaugurated by our respected Principal on 2nd August 2019. This lab will be useful for final year CSE students to develop their mobile applications with a higher specification of machines.



TECH TALK ON ADVANCED CSS

The second event of ACE club took place on 13th September 2019 in Department of CSE. The event was a talk on Advanced CSS by the speaker Mr. Anand R. Patil, president of the club. He covered various topics ranging from CSS Flexbox to Animation in CSS. Roughly about 40 participants were present who lively participated in the event by asking questions and having substantial discussions.



WORKSHOP ON BIG DATA AND ITS TECHNOLOGIES

HP Centre of Excellence, CSE department in association with CSI conducted a workshop on "Big Data and its Technologies" in the HP lab on 14th September 2019. The session was conducted by Mr.Vithal Sampagar, Module Lead, and Impetus InfoTech India. All the Students from 5th semester attended this session. Topics like Vertica database architecture, Vertica database operations, Vertica use cases, star and snowflake schema, introduction to Hadoop and its various tools were covered along with demo sessions.



PARENT-TEACHER MEETING

The department of CSE organized "Parent-Teacher Meet" that served as a connection platform for parents, teachers, and students, where teachers and parents came together to enrich the student's educational experiences and discussed a variety of issues, regarding all-round development of students. The PTM was conducted on 14th September 2019. Parents accepted our invitation and attended the meeting. The meeting was organized in such a way that parents had a chance of one-to-one interaction with the teachers before the Semester End Exams. It aimed at bridging the gap between parents, students, and teachers, keeping parents informed about their ward's performance and progress, and also to discuss the causes behind the student's behavior and performance. This enabled the parents to know about the weaknesses of their ward so that they can make them 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 behavior of the students. Overall, it was a platform for sharing the suggestions and clarifying the doubts of the parents concerning placements, internship, project works and other co-curricular and extracurricular activities that are happening in and around the department/college to help improve the student's progress.



EXPERT LECTURE ON IDENTIFYING AND PREPARING FOR THE FIRST JOB

Dept of CSE organized an expert lecture on the topic "Identifying and Preparing for the First Job" by Mr. Sudipta Mukherjee, Principal Solution Designer, Sutherland Global. Students from III semester attended this session and were greatly benefited regarding their careers.



EVENT

MARS ROVERS OF NASA

NASA's Mars 2020 Rover is heading to the Red Planet in 2020. NHCE is the First Institution in Asia to send its name to Mars with Rover. We are proud that two of our computer science students' names are included in Mars Rover of NASA!

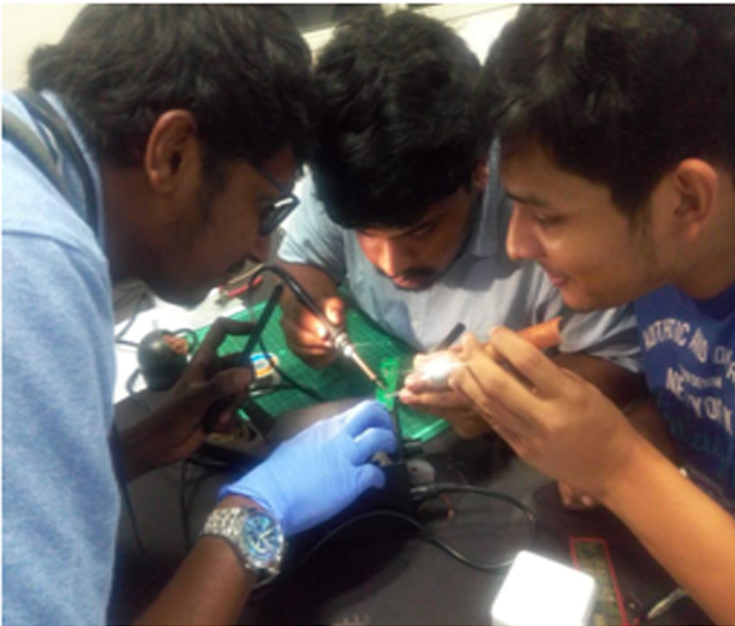


SERBIA INTERNATIONAL CANSAT COMPETITION 2019

Teams from NHCE had participated in CanSats at Serbia International Cansat Competition 2019.

1. Sanketh S Huddar – VII sem

2. Vamsi Sainath – VII sem



EVENT 16

EVENT- X

The Event X was conducted on 16th October 2019 by the BIT Club of CSE Department. Around 70 members had enrolled for this event. First was a treasure hunt based round, next was Mad ads based on a business idea and the last one was Code debugging. Students were very much interested in these rounds because it was fun to participate. After the first-round, 10 teams, each of two were shortlisted. Second round was judged by Dr. Sowmya, HOD Life skills department and Mrs.Rajitha Nair, faculty from the CSE department. After the third round winners were announced.



INDUSTRIAL VISIT

On 18th October 2019 students from CSE, ISE department visited one of the leading company VOLVO constructions at Peenya office. The industrial visit started with a very informative session conducted by Mr. Raghvendra, Asst. Manager HR & Admin, VOLVO Construction. Through his session students got exposure to various streams like VOLVO Trucks, VOLVO Bus, VOLVO Construction, VOLVO Penta, VOLVO Financial, high weight construction machines, fully automated machines, etc. He also informed about their latest R&D work on intelligent machines and electric machines. In this visit, students got a chance to visit their workshop where they learned about the making of machinery and automated tools used in designing machines. Students also got exposure to the working environment of the real world industry and their basic values of quality, safety, and environmental care. Through this visit, students got to know how heavy engineering products are creating a difference in today's market. The main purpose of this visit was to show the inter-disciplinary facet of an industry wherein the students learned about the usage of software tools in a manufacturing and automotive environment.



ALUMNI TALK

On 26th October 2019 department of CSE conducted an event 'ALUMNI TALK.' In this Ashwin Uday Kuma, 2010-2014 batch of New Horizon College of Engineering was invited as a guest. He works at Manhattan Associates as a senior technical analyst. He had worked with WMOS (Warehouse Management Operation System), clients like Essilor, where he designed and developed critical performance modules in shipment. Currently, he is working in NITORI which is the second-largest furniture retailer in the world, using one of the latest technologies in supply chain. Mr. Ashwin gave an insight on WMOS to students. The second alumni Mr. Vaibhav Sharma was part of the 2013-2017 batch of New Horizon College of Engineering. He is working with HashedIn Technologies where he redesigns and recreates the finance pipeline for MyntraJabong. The third alumni was Mr. Brijesh K R graduated from Dept. of CSE, NHCE in 2017 and is currently working as a Software Engineer in Happiest Minds Technologies Pvt Ltd. He has extensive knowledge in Linux, Networking & Docker. He discussed 'Docker' with students. Virtualization opened up new frontiers & avenues for business & technology. The fourth alumni was Ms. Sreedevi R who was part of the CSE Batch 2010 -2014. She was the topper of the batch and got placed in VMware. She worked in the company for a couple of years and then applied for Masters in the US University. She was the first student from the department to get admitted to Carnegie Mellon University. She has completed her masters and is currently working with IBM Watson AI as a Data Scientist. She discussed with students how they can prepare for their higher studies and the application process to these universities. Students' doubts about the admission process in US universities were cleared by her.



WORKSHOP ON MOBILE APPLICATION DEVELOPMENT USING ANDROID

The department of CSE organized one day workshop on "Mobile application development using Android". The workshop was conducted on 26th October 2019. It was an interactive workshop with Mr. Jayashankar. He started the workshop with the current trends of Android development, its advantages and disadvantages. He explained the benefits, changes it will bring in day-to-day activities and how it can benefit the students irrespective of their branch. He discussed the importance, usefulness, and impact of apps in today's digital world. He briefed the students about the types of validation, basic hardware and software requirements for android development.

He provided insights about Java and Android development. He explained about app architecture, app components, and app resources. He not only explained analytically but also demonstrated by creating an app with the students. Even the students got a chance to experiment their coding skills on Android Studio. After the workshop, the students clarified their queries and got insights about how apps will disrupt the digital world.



CHIEF EDITOR

Dr. B. RAJALAKSHMI
PROFESSOR AND HEAD
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSOCIATE EDITOR

Ms. ALPHA VIJAYAN
SENIOR ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT EDITORS

- 1) SAINATH G. V
7TH SEMESTER CSE
- 2) SOWMYA P. B
7TH SEMESTER CSE

EDITORS

Mr. ENOCH SAMUEL