



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

Dear All,

It gives me immense pleasure that the newsletter for the quarter (August 2018-October 2018) 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

CSI INAUGURATION

The Computer Society of India, student chapter for the academic year 2018-2019 was inaugurated on 31/08/2018. The esteemed guest for the inauguration was Dr. S. Prakash, Ex. Chairman, CSI, Bangalore chapter. In his keynote address on "Industry expectation from engineers", he highlighted the importance of the following:

- Job Vs career
- Multidisciplinary projects
- Skill sets to be acquired
- Industry scenario
- 4th platform new technologies
- Student projects sponsored by industries

The students of 5th semester CSE attended the programme and got benefitted.



WORKSHOP ON AI & ML

A workshop on Artificial Intelligence & Machine Learning was conducted for all the department faculties on 11/08/2018 at Library AV Hall. This workshop mainly comprised of introducing different machine learning techniques such as Supervised, Unsupervised and Reinforcement learning. This discussion helped to identify the machine learning approach when a problem is given. It was a quiet interesting session for the people who wanted to do their projects or research in Artificial Intelligence and Machine learning domain. The below faculty have attended the workshop from CSE Department.

- 1.Dr.Viswanath
- 2.Sheeba Prabhakaran
- 3.Jisha
- 4.Deepika
- 5.Tinu
- 6.Pramilarani
- 7.Gayathri



ALUMNI TALK

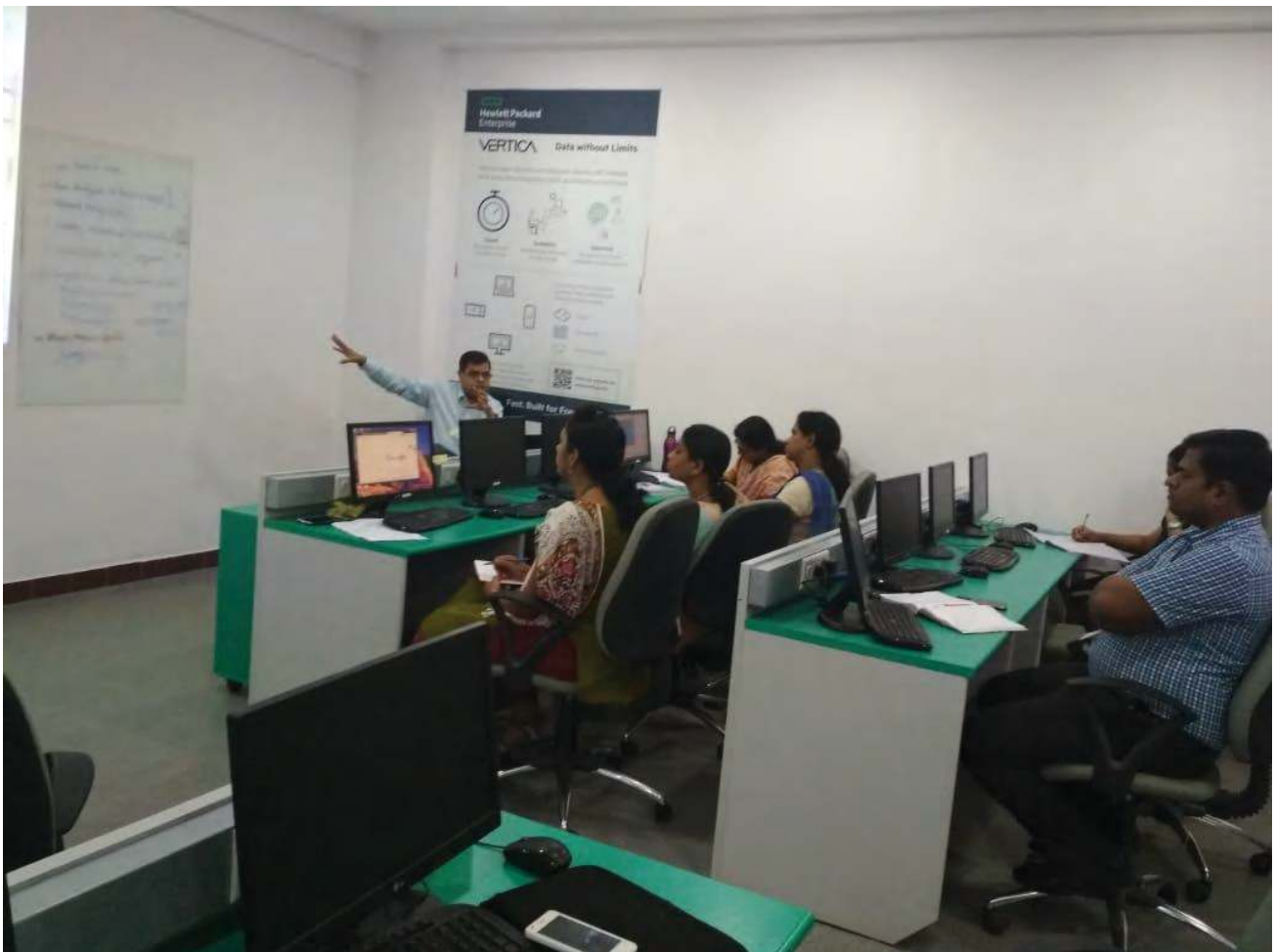
The department of CSE organized an Alumni Talk on 1/09/2018. Three distinguished alumni were invited to speak on different topics like Innovations, Placement requirements for VMware and Techno-fashion. The speaker of Innovation highlighted the different tools available for deployment and also gave an insight on Angular JS. He also spoke about various technologies. The speaker of VMware gave the tips to prepare the placements. The speaker of Techno-fashion explained the significance of Technology and fashion.

1. Mr.Tarun, Senior Consultant, Deloitte, Bangalore
2. Ms.Archana, Business Systems Analyst, VMware, Bangalore
3. Mr.Syed, Software Engineer, Infinite Computer Solutions, Bangalore



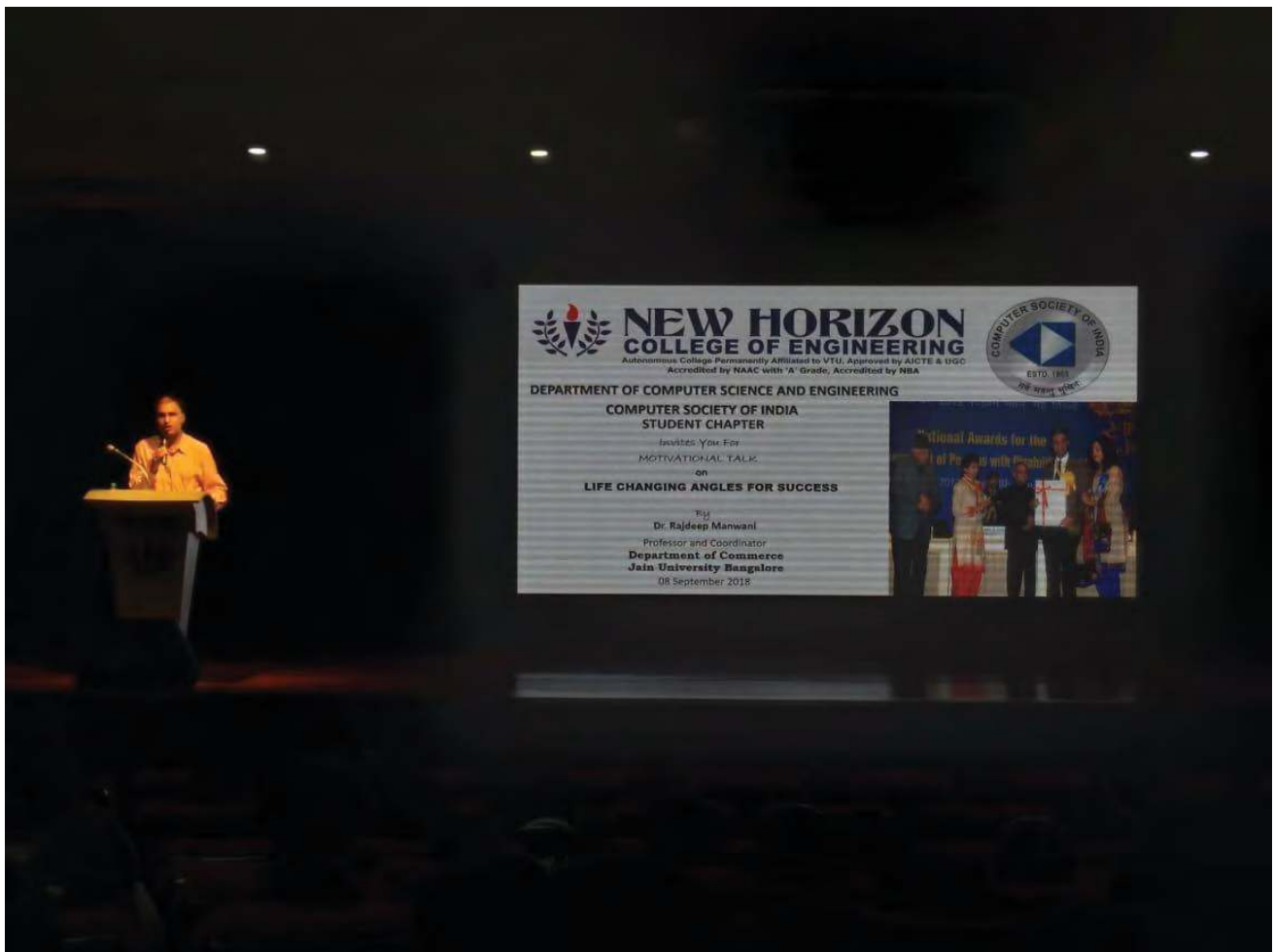
HPE DISCUSSION SESSION

A discussion session on doubt clarification and how to make a way forward for HPE lab was conducted in HP center of excellence on 6/09/2018. The executive has done hands on session to address all the doubts which were put forward by the faculties. Also, other agenda like how analysis is done in Vertica for large dataset, how can we include more hands-on session for future curriculum, advanced analytics in Vertica, how Vertica handles unstructured/semi-structured data as input from different sources were also discussed. A suggestion on various visualization tools like Grafana, Tableau, Qlik, Cognos, SAP BO, BIRT were given that integrates well with Vertica for displaying analysis result in better way. It was also put forward that their aim from HPE Center of Excellence is to make students aware of big data technologies, how data is stored on big data platforms and how analysis is done on that. This is so that they should be able to answer basic questions from big data when they step into industry.



HIGH PROFILE MOTIVATIONAL TALK

The Department of Computer Science and Engineering organized a High profile motivational talk on "LIFE CHANGING ANGLES FOR SUCCESS". The session was addressed by Dr. Rajdeep Manwani (Visually Impaired), Professor & Co-Ordinator, Department of Commerce, Jain University.



EXTENSION PROGRAM TITLED "ONE DAY SESSION ON MS-OFFICE"

The department of Computer Science and Engineering organized an Extension Program titled "One day session on MS-Office" to the underprivileged girls of the Makkala Jeevodaya, an orphanage run by the sisters. The inmates are aged between 6 to 18 years and all of them are pursuing education in a nearby school. The department decided to organize one day's event to educate the children about computer and MS-Office specifically MS-Word & PowerPoint. The event was organized on 8/09/2018 at the orphanage with all the coordinators and five students of VII semester B section were welcomed by the children and sister Anitha (Care Taker). The session was well received by the children and enjoyed every bit of it. Our students also conducted a few games for them. They participated enthusiastically by dancing and proceeded to have an enjoyable day. We distributed few stationary items in a pouch, small lunch box and some snacks like chips, groundnuts, kellogs chocos, mixture and chocolates for all the kids. It was a memorable day for all the coordinators and the students who supported this event.

Faculty Coordinators (CSE):

1. Dr Vishwanath Y
2. Ms. Priti Badar
3. Ms. Sheba Pari,
4. Mr. Puneeth Palagi
5. Ms. Vasantha M
6. Ms. Yogitha



CLOUD FOUNDRY - TECH AT SAP LABS

The department of Computer Science and Engineering organized an "Industrial Visit" at SAP Labs on 8/9/2018. There we had very fruitful session on Cloud Foundry. Three speakers were invited to speak on importance of cloud Foundry and kubernetes. They highlighted four issues:

1. A tale of two runtimes by pivotal.
 2. The shape of Things to come –Prediction on the future of platform as a service by SAP.
 3. Public cloud made Private with Cloud Foundry and Kubernetes by IBM
 4. Overview on User Account Management and Multi-tenancy by SAP.
- Finally, session ended by closing note



MOTIVATIONAL TALK BY ED CELL

The department of Computer Science and Engineering conducted a 'Motivational talk by ED Cell' for the 5th semester CSE students on 12/09/2018. The speaker Mr. Gaurav Singh from Wadhvani Foundation truly helped the students in motivating them with the current trends and scenarios for starting their own venture, hence building the self-confidence for our students. The talk was organized to build the entrepreneur skills in students. The session was well presented by the guest speaker, and everyone thoroughly enjoyed the session with some motivation for themselves. Even the speaker was impressed by the views and ideas shared by our students during the session. Overall, it was a tremendous time our students gaining the insights of entrepreneur skills



STUDY ABROAD

VII semester students of various departments of NHCE, who have registered to study one semester at abroad have started their studies at respective universities. They went to study in various universities in the state of Normandy in the month of September starting on 14/09/2018.



INDUSTRIAL INTERACTION VMWARE ACADEMIC INITIATIVES

The Computer Society of India (CSI) and VMware IT Academy had jointly organized an 'Industrial Interaction -VMWare Initiatives' on 3/10/2018. The event was organized to enlighten the process of Virtualization in real world scenarios, and how our college students can be benefited by taking up the free online courses available with VMware. The session threw insights into how the gap can be filled by IT industry requirements with that of engineering colleges by integrating and adopting new technologies and some hands-on sessions instead of the legacy chalk and talk sessions. Overall, it was a great event, as there were many inputs on how we can make the students industry ready.



OVERSEAS EDUCATION SESSION

The department of Computer Science and Engineering organized a session on 'Overseas Education' for 5th and 7th semester students in pursuing higher studies on 4/10/2018. The session focused on wide variety of options which students could choose from. The session was conducted by Global Reach Enterprises.



ENTRETIEN

The event was aimed to provide a simulation of a job placement on 5/10/2018. All the students of the college were allowed to take part in this event; as a result the technical round was not limited to the Computer Science field. Multiple students participated in this three-round event. The first round consisted of aptitude questions. The participants had one minute to solve each question and they were given twenty questions. The participants were then asked to solve fifteen technical questions in round two. Upon calculating the results for both round one and round two, certain participants were eligible to take part in the third round, which was the Group Discussion round.



WORKSHOP ON PYTHON FOR DATA SCIENCE AND MACHINE LEARNING

The department of Computer Science and Engineering, under the auspices of Computer Society of India, conducted a one-day hands-on workshop on Python for data science and machine learning for 5th semester students & faculty members and students. The workshop was conducted by Mr. Mahadeva Prabhu, Technical Trainer, Taught Learning Solutions on 6/10/2018.

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

- Basics of Python: variables, data types, functions
- Basics of Python: loops and if statements
- Analytics-specific Python libraries: numpy, pandas
- Creating your first simple prediction
- Data Exploration and visualization & Basic Statistical Analysis
- Making Predictions using Regression and classification algorithms
- Clustering



BLANK CODING

The main intention of this event was to gather students with an inclination to Computer Science and test them on certain aspects in the discipline. The event was conducted on 5/10/2018. The event was divided into three rounds. The first consisted of a simple crossword puzzle. Participants who obtained a certain score advanced to the second round. For the second round, the participants were randomly paired and asked to work together on a pick and speak activity. Members who did fairly well moved on to the next round which involved using coding skills. The participants were all presented with code snippets and were asked to formulate the output. The event was a huge success among the CSE students.



HR SKILLS - HOW TO HANDLE HR ROUND ?

Based on the feedback from recruiters about the performance of our students in improving the HR skills and on request from eligible non-placed students, the department of Computer Science and Engineering organized a special session on "HOW TO HANDLE HR ROUND". The vent was conducted on 13/10/2018. The speaker Mr. Ashwin Kumar, senior HR from L&T Infotech gave a presentation on how to face the HR interview confidentially. He highlighted many minute points which students were not aware of and his session gave lots of confidence to students to face the HR round. He also conducted a MOCK HR round with students.

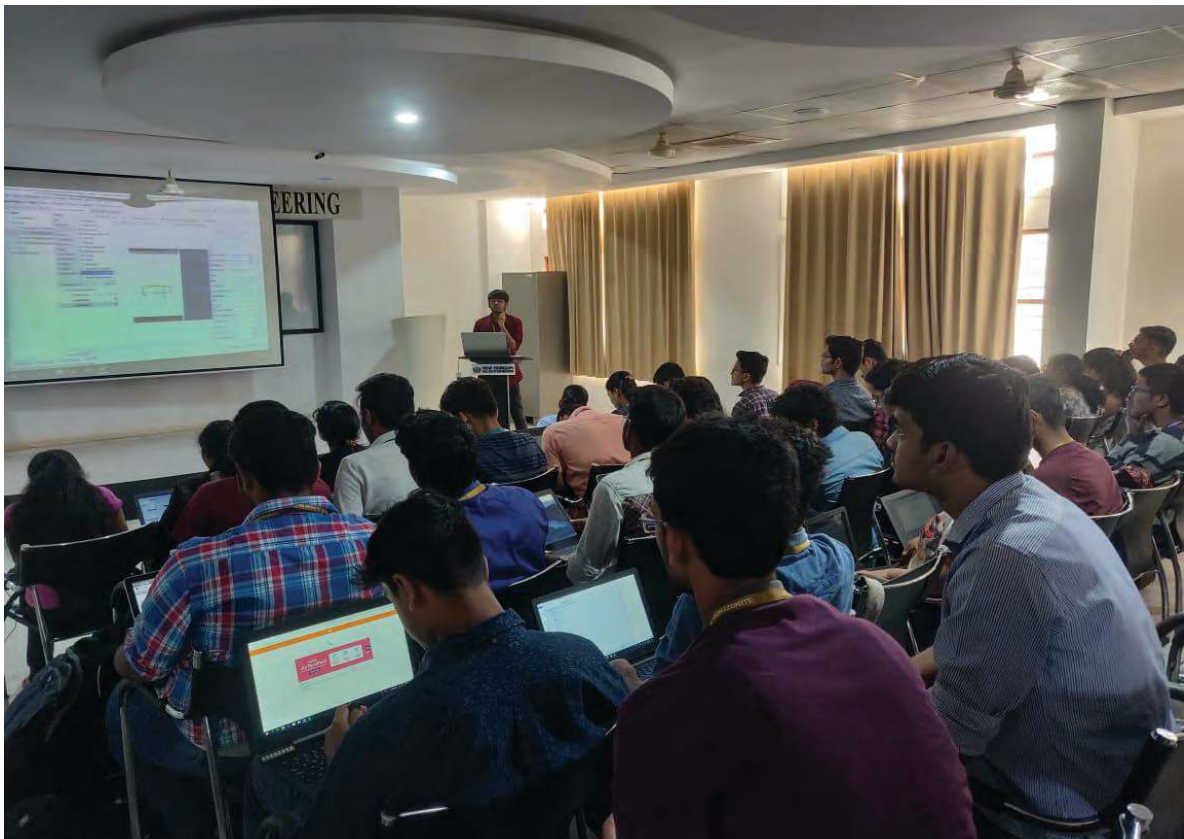


WORKSHOP ON MOBILE APPLICATION DEVELOPMENT

MAD club conducted its first event of the odd semester-2018, the Android App Development Workshop, on 26/10/2018. The workshop was conducted by Pranav M, a student of the department of Computer Science and Engineering, NHCE. He is also the Vice President of the Mobile App Development Club. We, as a part of the core committee of the club never expected such an overwhelming response to the event.

This was the second time our club organized this workshop after the great hit of our first event. Registration links were sent to the students, within hours of sending the link the seats were full. The idea of Android App Development is booming nowadays and the students of NHCE were very enthusiastic regarding the event. Unfortunately, some students could not register for the event due to the fact that the seats were full even before we thought it would be. We will be conducting this event again, till every student of NHCE who is eager to learn Android App Development gets to attend it.

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



BUSINESS IDEAS & QUIZ - VOLUME II

Business & Information Technology (BIT) Student Club of the department of Computer Science and Engineering organized an event, where students presented their business ideas in the first round on 31/10/2018. Next round was how to make their ideas work in reality. Final round was quiz related to IT and business.



IBM TECH MEET UP ON ARTIFICIAL INTELLIGENCE

The department of Computer Science and Engineering took the lead and initiatives in organizing the first 'IBM Artificial Intelligence Industry Meet up in India at NHCE' on 31/10/2018. Around 150 participants from industry and NHCE attended the programme. The resource persons were from IBM, H2O and PES group of institutions. This programme will enable our students to take up live projects in the area of Artificial Intelligence. We sincerely thank our Principal and Dean(R&D) for giving us this excellent opportunity to conduct this prestigious event in NHCE and for the first time in India.



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