



NEW HORIZON
COLLEGE OF ENGINEERING



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BEYOND EXPECTATIONS

A HALF - YEARLY PUBLICATION

I - NEWS

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NEWSLETTER

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ABOUT DEPARTMENT



The Information Science and Engineering department focus on current Information Technology trends and domain-specific applications. The program facilitates the evolution of students' skills to help them attain a higher degree of knowledge, global competency, and excellence to better society. The Information Science and Engineering program at New Horizon College of Engineering meets industry standards and copes with emerging technology. There is a great emphasis on holistic learning to help the students make significant contributions at all levels and meet stakeholders' expectations.

DEPARTMENT VISION & MISSION:

Vision:

To emerge as a department of eminence in Information Science and Engineering in serving the Information Technology industry and the nation by empowering students with a high degree of technical and practical competence.

Mission:

- To strengthen the theoretical, practical and ethical dimensions of the learning process by continuous learning and establishing a culture of research and innovation among faculty members and students.
- To build long-term interaction between the academia and Information Technology industry through the involvement of the Information Technology industry in the design of curriculum and its hands on implementation.
- To strengthen and mould students in professional, ethical, social, and environmental dimensions by encouraging participation in co-curricular and extracurricular activities.

DEPARTMENT ACHIEVEMENTS:

- Department of Information Science & Engineering has a consistent and excellent placement record since its inception. 62 students from the ISE department are placed across leading software companies. A good percentage of students opt for higher studies abroad, civil services, and entrepreneurship. The students are prepared for placements by offering project-based curriculum and personality development programs. The students are provided with Pre-placement training to make them ready to face the recruitment from the companies.
- The Faculty and Students of the Department of Information Science & Engineering submitted 16 social-centric project proposals to Karnataka State Council for Science and Technology (KSCST) during the academic year 2018-19.
- The Faculty members of the ISE department completed 23 different NPTEL courses
- Mr.Gangadhar Immadi, Sr. Assistant professor, ISE department, received the NPTEL Discipline Star award and NPTEL Motivated Learner Award during 2018-19.
- The department's Faculty members published 33 papers in various reputed national and international journals like Scopus, springer, ACM, and IEEE.
- The ISE department's faculty members attended various FDPs on emerging trends like 4G/5G Wireless Communication Systems, Multidisciplinary Trends in Information Technology, Machine Learning for Data Science and Analytics.

STUDENT'S ACHIEVEMENTS:

- SudipKandel (1NH15IS123) of the 8th semester secured First place in TECHORIZON '19 in ISE Department for his project named "Twitter Sentimental Analysis in IOS."
- The student project proposal named "Android Based Application to Detect Potholes and Uneven Roads in Bengaluru" was approved for sponsorship by Karnataka State Council for Science and Technology (KSCST), and students presented their project at the VTU level.
- Student of ISE Department, Mervin Shibhu George (1NH17IS053), won First place in Hackathon Contest.
- The ISE Department students have been Selected at the National level for the final round in the Mega event "IOT CHALLENGE – 2019" conducted by IIT Bombay.

DEPARTMENT ACTIVITIES AND EVENTS:

QUBYTES 2019 (22nd & 23rd March 2019)

Department of Information Science and Engineering QuBytes 2k19 tagged “The Quantum leap to next-generation” was a State Level Inter Collegiate Tech Fest held on 22nd & 23rd March 2019 at New Horizon College of Engineering, Bengaluru. QuBytes hosted various technical and nontechnical events like Enigma, Productions No.1, HREF, Battle Ground, Tech Charades, Kick ‘D’ Bugs, Kannada Vrunda, etc. Winners received attractive cash prizes worth Rs: 50,000 and online courses. With the spotlight focused on Tech-fusion, this year at QuBytes aimed to explore new technical advancements to enhance students’ technical prowess.



ISE Department HoD R.J. Anandhi is addressing the gathering



Qubytes organizers thanking all the participants on stage

EVENTS IN QUBYTES:

HREF

This event focus on developing eye-catching web pages using modern frameworks such as Bootstrap and JQuery within a time limit of 2 hours. Students submitted good UI/UX designs.

Q'PEDIA

Q'Pedia was a technical quiz game on all topics of technical knowledge. This event is hosted to boost and encourage individuals and student groups' mind mapping capabilities to unlock the right answers.

KICK 'D' BUGS

Coding and Debugging is an integral part of the journey in the I.T. Industry; It's also important for technical entrepreneurs who wish to establish their presence. Kick 'D' Bug was an event curated just for such young minds! It consisted of an assortment of coding and debugging problem statements. It will help the students to enlighten their technical skills.

PLACEMENT BUDDY TALK (18th March 2019)

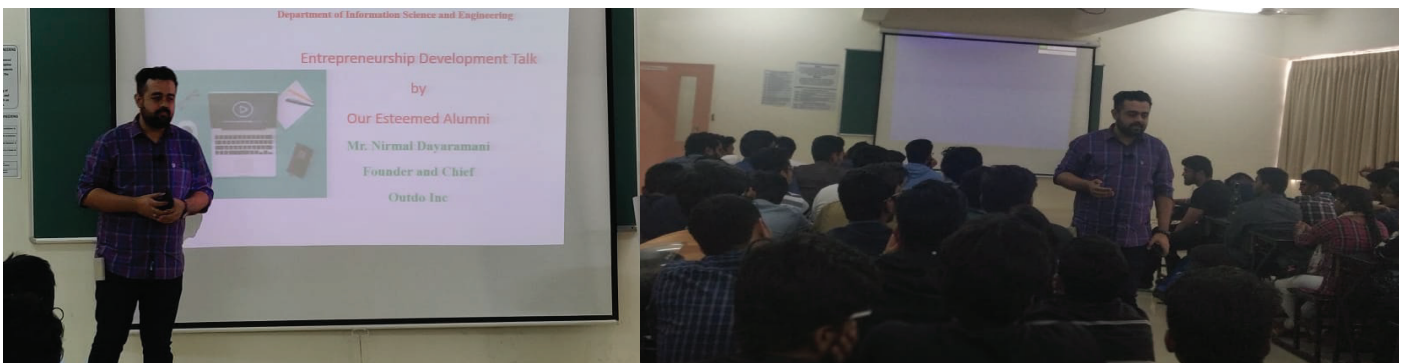
Department of Information Science & Engineering organized a Placement Buddy talk as a part of i-Cyber Security and Ethical Hacking Club (i-CSEH) by 8th-semester Students who are the Placement buddies for the 6th-semester students on 18th March 2019. Eighth-semester students highlighted the importance of aptitude Assessment Preparation and suggested the important topics in Aptitude portions which the students must focus on for placement preparation. Moreover, they described the importance of core engineering subjects. The session was very interactive, and 6th-semester students were motivated to start preparing for placement drives. Also, the importance of Cybersecurity and cryptography in the current I.T. market domain was presented. The talk ended with an inspirational note by Mrs. Vandana C.P, Senior Assistant Professor Department of Information Science and Engineering.



Placement buddies (8th-semester students) giving suggestions to 6th-semester students

A GUEST LECTURE TALK ON ENTREPRENEURSHIP MOTIVATION (9th February 2019)

A guest lecture talk on "Entrepreneurship Motivation" was conducted by Mr. Nirmal, our esteemed alumni, on 9th February 2019 for 6th-semester students of Information Science and Engineering. Mr. Nirmal, the speaker, and a successful entrepreneur, highlighted the importance of startups in the current Indian economy. Speaker created awareness about entrepreneurship and gave pointers to students with creative ideas which can be transformed into successful companies. Guest Lecturer provided mentorship for students launching their startups. Students can benefit from 'Support Starting up' by various ventures like Angel Network, Startup Services Programme, StartIn Portal. Students were deeply motivated by this young, dynamic entrepreneur talk which followed an interactive question-answer session.



Mr. Nirmal sharing the importance of startups to students

EXPERT TALKS CONDUCTED:

Expert talk on Computer Organisation (14th April 2019)

The department of Information Science and Engineering has conducted an Expert talk on the topic "Computer Organisation" on 14th APRIL, 2019, under the supervision of ISE Head of the department, Dr. Anandhi R J at ISE department. The expert speaker is a multi-skilled professional with 8+ years of experience in the I.T. industry, specialized in O.S., data structures, data science, and computer networks. His session mainly focused on Introduction to Computer Organisation, Memory Organisation, Input/Output Unit, Control Unit. The students were provided good knowledge about the computer organization concepts.



Mr. Nagesh V sharing his knowledge of computer organization

Students actively listening and taking part

Expert Talk on Data analytics (09th March 2019)

The department of Information Science and Engineering has conducted an Expert talk on the topic "Data analytics" on 09th March 2019 under the supervision of ISE Head of the department, Dr. Anandhi R J at ISE. The expert speaker, Mr. Sandeep Nagdewani, is a multi-skilled professional with 5+ years of experience in analytics, which majorly involves partnering with clients and generating insights from big data, followed by conducting results using effective data visualization. Topics covered in this session are Introduction to data analytics, data science vs. big data vs. data analytics, need for data analytics, types of data analytics, data mining. This program provided good knowledge about data analytics, data mining, importance, and data analytics requirements.



Mr. Sandeep Nagdewani sharing his knowledge on data analytics

Expert talk on Redundant Robot arms (26th October 2019)



The department of Information Science and Engineering has conducted an Expert talk on the topic "Redundant Robot arms" on 26th October 2019 under the supervision of ISE Head of the department, Dr. Anandhi R J, at the Falconry Seminar Hall. Dr. Anthony A. Maciejewski (Head of the Department of Electrical and Computer Engineering) and Professor Lisa Papas (Associate directive of the ISSS of the Colorado State University) was invited as expert speakers. The topics covered in this session are Introduction to robotics, drawing on the singular value, decomposition quantification of talent, and developing efficient and numerically stable motion control algorithms. The students were provided good knowledge about robotics.



Dr. Anthony A. Maciejewski and Professor Lisa Papas sharing their knowledge on Redundant Robot arms

Expert talk on Object-Oriented Programming (16th April 2019)

The department of Information Science and Engineering has conducted an Expert talk on “Object-oriented programming” on 16th April 2019 under the supervision of ISE Head of the department, Dr. Anandhi R J at the ISE department. The expert speaker, Ms. Sushma, is a multi-skilled professional with 7+ years of experience in the I.T. industry, specialized in O.S., Data Structures, Data Science, and Java. The topics covered in this session are Basics of Object-Oriented Programming, features, OOP Languages, design Patterns. The students were provided good knowledge about object-oriented programming concepts.



Ms. Sushma sharing her knowledge on Object-Oriented Programming

INDUSTRIAL VISITS

Industrial visit to Mindtree(4th April 2019)

The Department of Information Science and Engineering organized an industrial visit to Mindtree Ltd. on 4th April 2019. A total of 60 students from the 4th and 6th semesters and Dr.R.J. Anandhi HoD ISE and faculty in-charge professor Gowri Prasad were a part of the visit. The group of students was addressed by Mr. Ashish Chadda, Senior Engineer, Mindtree Ltd., and by Ms. Tanushree Pawar, Senior Associate, Talent Acquisition team, Mindtree Ltd. Mr. Ashish gave the students an idea of emerging technologies, Mindtree services, processes followed in I.T. industries in general and Mindtree in specific. He made the session quite informative and interesting



NHCE students, along with Dr.R.J. Anandhi HoD ISE and Faculty in charge Prof. Gowri Prasad, had been a part of the visit in-charge



Mr. Ashish Chadda, Senior Engineer, Mindtree Ltd giving ideas of emerging technologies, Mindtree services

Industrial visit to Wipro (10th May 2019)

An Industrial visit to "Wipro Lt," Electronic City, Bangalore-560100, was organized by New Horizon College of Engineering on Wednesday, 10th May 2019. Thirty students from Information Science and Engineering along with HOD ISE Dr. R J Anandhi, Executive Director - Training & Placements Prof. Gurucharan Singh, Head of placement Department Mr. Anis Mishra, Head of IIC (Industry Institute Collaboration) Mr. Ranjan Manish visited Wipro Ltd. to interact with the Software Industry to understand current market scenarios, latest most demanding technologies & criteria and eligibility for selection, etc. In this visit, students were very eagerly waiting to listen to industrial higher authorities.



New horizon engineering college students, along with Dr.R.J. Anandhi HoD ISE, Executive Director - Training & Placements Prof. Gurucharan Singh, Head of placement Department Mr. Anis Mishra, Head of IIC (Industry Institute Collaboration) Mr. Ranjan Manish, had been a part of the visit in-charge

FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING WITH PYTHON

(21st January 2019)

New Horizon College of Engineering conducted five days Level Faculty development program on “Machine Learning with Python” on 21st January 2019. This Technical faculty development program is aimed as a Research Frontiers in Machine Learning. Department of Information Science & Engineering jointly organizes this event, Computer Society of India, New Horizon College of Engineering, and Free software Movement Karnataka (FSMK). Dr. H C Nagaraj, Dean- Research, VTU, and Principal of Nitte Meenakshi Institute of Technology, Bangalore, gave a motivating speech to all the Faculties on the teaching-learning process and lifelong learning and its importance in his inaugural address. The guest of Honour and the Resource person Mr.Guruprakash Sivabalan, Founder & Chief Executive Officer of Xobin Technologies Private Limited, Chennai, explained machine learning, cutting edge technology, and the plan for the five days FDP. This five-day FDP programs’ main focus is on Introduction to Machine Learning, Issues, and Case, problem-solving using python, Randomized Algorithms for predictions, Binarization of the dataset, Perception, and Concept of Back Propagation. This workshop was beneficial to all the participants.



Dr. H C Nagaraj giving a motivating speech to all the Faculty, and Mr.Guruprakash Sivabalan explained machine learning, cutting edge technology, and the plan for the five days FDP



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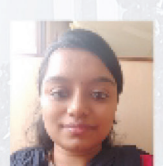
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