

NEWS LETTER



**NEW HORIZON
COLLEGE OF ENGINEERING**

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF COMPUTER ENGINEERING

Dear Readers,

The world of Science and Technology is currently undergoing the fourth Industrial revolution (or Industry 4.0) as it is popularly known. The fourth industrial revolution entails the interconnection of cyber-physical devices in order to completely integrate digital networking systems with all physical devices capable of data communication, thus making it a very complex interdisciplinary branch of Engineering.

Computer Engineering as an undergraduate branch and also as a Masters Specialization has been around for a long time in many developed countries across the world. However, Computer Engineering as a branch in India has only been offered by a few Universities so far. However, this is bound to change to a very large extent in the coming years due to the advent of the new information technology revolution.

Computer Engineering at New Horizon College of Engineering is an amalgamation of Computer Science, Embedded Systems, Computer Networking, IOT, IIOT, Data Analytics, Artificial Intelligence, Machine Learning etc. Computer Engineering at NHCE will be a unique combination of Software, Hardware and AI to power the fourth Industrial revolution.

Dr.S.P.Manikandan

HOD-Computer Engineering

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 and its related research, to make an informed choice about where to head next. I am happy to note that Department of Computer 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 Engineering 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

1.TWO DAYS WORKSHOP ON “ARDUINO AND IT’S APPLICATION”



The Department of Computer Engineering conducted an online workshop on the topic “**ARDUINO AND ITS APPLICATIONS**” which was held on **25th and 26th November 2021** from 4 pm to 5pm at BOT Laboratory in Library Block in association with the **Pantech e-learning**. The **first day** started with the basics of Arduino. The session flourished with step-by-step process how to install the Arduino IDE and how to start working with Arduino.

The **second day** was another informative day which started with the basic pin output and how to program the pins. Uses of IOT devices in our day-to-day life was explained with great detail.

The event gave an insight into the usefulness of Arduino and its application in day-to-day activities. Thus, giving us a peek into the vast world of Arduino.

We thank our HOD **Dr.S.P.Manikandan** (Convener) and our Associate Professor **Dr.C.R.Rathish** (Event coordinator) for organizing such an informative workshop for the students.

FROM

25-11-2021

TO

26-11-2021

TIME: 4PM-5PM

2. EXPERT TALK ON “COMMUNICATION TECHNOLOGY, TELENETWORKING AND IOT”



The Department of Computer Engineering organized an Expert- Talk on 08th December 2021 at the C-222 classroom in Chhatrapati Shivaji Block.

The talk commenced at 2.50 PM and continued till 4.50 PM. A very informative technical talk on the topic – “COMMUNICATION TECHNOLOGY, TELENETWORKING & IoT” was given by **Ms. T Poornima**, Research Associate (ISRO) Communication Engineer Space Machines Company.

Dr. S P Manikandan, HOD – CE, Welcomed chief guest in a virtual mode. Students of 2nd year of various departments gained knowledge about recent technologies; 50 students attend the expert talk in a virtual mode (Google Meet).

The event concluded with a Vote of Thanks speech given by the Associate Professor Department of CE, **Dr. C R Rathish**.

Outcome: Students will be able to understand the need of tele-networking in space communication.

DATE

08-12-2021

TIME: 2:50-4:50

3. EXPERT TALK ON “EXPLORING NOSQL AND IN-MEMORY DATA BASE”



The Department of Computer Engineering organized an Expert-Talk on 28th December 2021 at the C-222 classroom in Chhatrapati Shivaji Block.

The talk commenced at 3.00 PM and continued till 5.00 PM. A very informative technical talk on the topic – “Exploring NoSQL and In-memory database” was given by **Mr. Vijay Daniel Rajkumar**, Senior system analyst, Ericsson, Ireland.

Dr. S P Manikandan, HOD – CE, Welcomed chief guest in a virtual mode. Students of 2nd year of CE department gained knowledge about Data Base Management System topics like NoSQL and In-memory database along with hands-on experience on SQLite and MongoDB, 56 students attend the expert talk in a blended mode.

The event concluded with a Vote of Thanks speech given by the Assistant Professor Department of CE, **Mr Rahul B.**

Outcome: Students will have a solid understanding of the basics like NoSQL, In-memory database, SQLite and how MongoDB store data.

DATE

28-12-2021

TIME: 3PM-5PM

NEWS LETTER

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