Dhanekula Institute Of Engineering & Technology

approved by AICTE, New Delhi, Accredited with NAAC'B' Grade

CSE
COMPUTER SCIENCE ENGINEERING

AICTE

B+ NAAC

Computer Science & Engineering

Tomorrow's World Through Today's Education

DEPARTMENT OF
Computer Science

NEWSLETTER ✉

NEWS LETTER

THE **Leaflet**

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Principal's Message

Dear Parents and Students,

It is with great pleasure that I welcome you to our College (DIET) Newsletter.

As Principal I am hugely impressed by the commitment of the college and the staff in providing an excellent all-round education for our students with our state of the art facilities. We as a team working together, strongly promote the zeal towards academic achievement among our students. The cultural, sporting and other successes of all our students and staff are also proudly celebrated together.

I congratulate the staff and students who brought latest technologies and concepts onto the day to day teaching learning platform. As long as our ideas are expressed and thoughts kindled we can be sure of learning, as everything begins with an idea.

I appreciate every student who shared the joy of participation in co-curricular and extracurricular activities along with their commitment to curriculum. That little extra we do, is the icing on the cake. 'Do more than belong – participate. Do more than care – help. Do more than believe – practice. Do more than be fair – be kind. Do more than forgive – forget. Do more than dream – work.'

With a long and rewarding history of achievement in education behind us, our DIET community continues to move forward together with confidence, pride and enthusiasm.

I hope you enjoy your visit to the website and should you wish to contact us, please find details at the www.diet.ac.in

Yours in Education

Dr.Ravi Kadiyala,

Principal

Message From HOD

Dr. S. Suresh Professor & HOD, Computer Science and Engineering

Greetings from the Department of CSE, Dhanekula Institute of Engineering & Technology, Vijayawada.!!!!

"It is a pleasure to be the head of the department of CSE. The department offers B-Tech (CSE) and M-Tech (CSE). The department has a team of highly experienced and motivated faculty members who are in process of tuning the young minds to make them globally competitive. The department is equipped with state-of-the-art laboratories where students can enhance their knowledge and skill. The strength of the department is highly motivated students who understand the dynamics of the industry and upgrade their skills accordingly. The scope of computer science is endless. The students of the computer science and engineering are highly demanded by the recruiters of the top companies. Depending upon the interest of the student, he/she may choose to go for higher studies or if employed can choose to do research, development, design, production, application, testing or management in the Information Technology industry. In our department we not only give emphasis on study but also apply our knowledge in understanding what computers are, how to efficiently program them, different tools and technologies, the interface between the computer and the user, the computer graphics, computer networking, managing the database, software engineering and testing them efficiently and more. Through innovative teaching-learning process a teamwork approach and leadership building experience, our students gain vital communication and critical-thinking skills. Our institution provides a platform for the students to enhance their employability skills through Industry Institute Collaboration."

Department Vision:

To empower students of Computer Science and Engineering Department to be technologically adept, innovative, global citizens possessing human values.

Department Mission:

To Encourage students to become self-motivated and problem solving individual To prepare students for professional career with academic excellence and leadership skills. To Empower the rural youth with computer education. To Create Centre's of excellence in Computer Science and Engineer

Department PEO's:

PEO1: Excel in Professional career through knowledge in mathematics and engineering principles.

PEO2: Able to pursue higher education and research.

PEO3: Communicate effectively, recognize, and incorporate societal needs in their professional endeavors.

PEO4: Adapt to technological advancements by continuous learning.

STUDENT ACTIVITIES:

Most of the students were actively participated in the learning activities in doing internships completed and received certificates.

STUDENT ARTICLES:

Padrone Ring – Coolest Mouse Ever

Padrone Ring is a small and nimble finger ring which can be used as a computer mouse. This ring mouse connects to any device over low-energy Bluetooth and supports a variety of clicking and scrolling gestures. This ring is named so because of the inventor technology called Padrone design. It is a wearable and fashionable which turns any place into a mouse that can be a table or your lap, providing a large work area.

It works wirelessly by connecting to your desktop computer or your laptop via Bluetooth. The Bluetooth feature of this ring helps a lot because it does not need software to work. This works only by your gestures. Padrone ring is one of the Top "Gaming Mouse." This wireless mouse has a rechargeable battery that can be easily changed within 3 hours. The charging of this ring is also wireless. This is an epic mouse with waterproof technology, and it weighs only 8 grams.More importantly, it comes in 12 different sizes and is waterproof, which means you can continue wearing it anywhere you go without worrying about breaking it or frying the internals.
One of the essential features of this ring is for the people who work on their computers for a long time; this wireless mouse can help them work without any fingers or wrist pain.

The ring connects via Bluetooth to your computer, so no software installation required—just slide it on and connect to any Bluetooth-enabled PC, Mac, Windows tablet or Android device. Most computers have Bluetooth hardware nowadays. If you can connect any Bluetooth mouse to your

computer, the ring works as well. This also means that you don't need a USB port and latency is comparable to any Bluetooth mouse. After the invention of such a masterpiece, it is not hard to say,

"Technology at one's fingertips."

By

Ritikaa Tiwari

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III CSE-A

CleanseBot – World's First Bacteria Killing Robot

As our lives get busier, the demand for automatic cleaning devices increases. The creation of the washing machine to a vacuum cleaner is coming to life thanks to the needs of modern humans. But one drawback is that these tools will still be troublesome if you have to carry them when traveling. This drawback then became the motivation behind the development of CleanseBot. A smart robot designed as a miniature of robotic vacuum clear. The device has a diameter of 13cm and 3cm thick. This minimalist dimension makes it easy for us to put it in our travel bag or suitcase. But, CleanseBot does not only function to clean the dust. It is also effective at killing germs with effectiveness of 99.99 percent.

CleanseBot works smart, without requiring its user to make arrangements first. The user practically needs to only press a button and then put it on a mattress or part of a sheet covered by a blanket. Furthermore, CleanseBot will operate automatically for 30 minutes. To make sure there are no germs left, the user can repeat this process again. During the process of cleaning, the robot uses four UV-C lights to sweep from two sides simultaneously. In general terms, it is bad news for bacteria and claimed to be able to prevent the spread of the virus.

CleanseBot can even find out its surroundings and work in a corner of the bed without falling thanks to the support of 18 sensors, mapping systems, and wheels that can hold on the grip on almost any surface. Interestingly, CleanseBot is supported by two other usage modes. The first one is the handheld mode which is suitable for cleaning small objects such as light switches, dolls, toilet seats, pillows or TV remote. Just activate and apply the UV-C lamp to these objects. In addition to that, CleanseBot can also act as a portable power bank, which has a 3.700mAh battery.
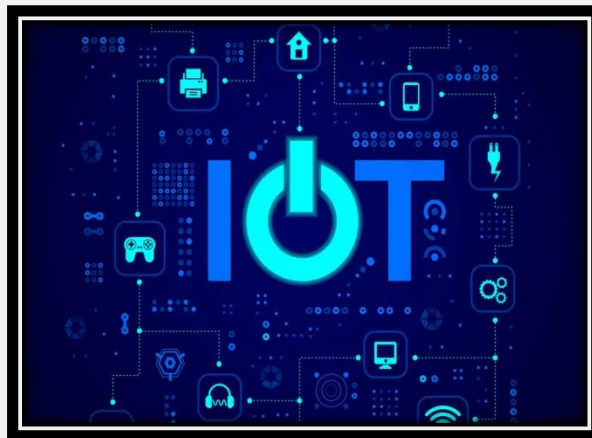

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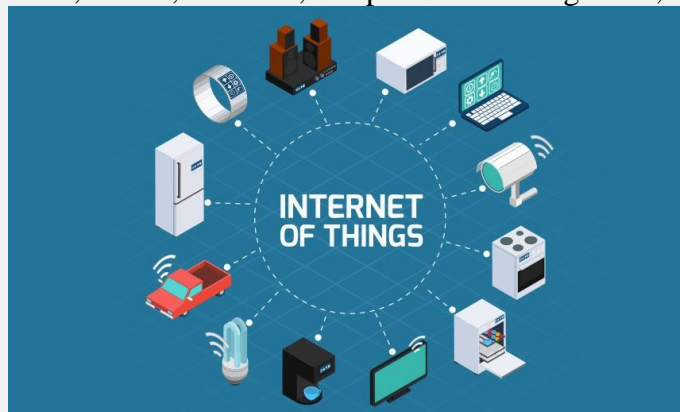
INTERNET OF THINGS

LOGO OF "IoT"

Internet of things(IoT) is simply nothing but an interrelation. The IoT is a network of devices that are connected to each other. The devices may be connected through Wi-Fi. The connection can be in between the computer devices, digital devices, etc. IoT not only enables the connection between the devices but also remotes their access. For example, locking our cars remotely. The FitBit that we use for tracking our calories runs on IoT technology. It is predicted that more than 41 billion devices powered by IoT will used by 2025.

FOUNDER OF IoT:- "KELVIN ASHTON' is the father of IoT. He is a British technology pioneer. He coined the term 'IoT'. Another name for IoT is **"MACHINE TO MACHINE"**. In short it is known as **"M2M".**

HOW DOES IoT WORK ? IoT consists of sensors which that talk to the cloud through some kind of connectivity. Once the data get to the cloud, software processes it decides to act automatically without the need of an user. It is purely depended on the Internet.
WHERE IS IoT :- It is everywhere.
It is used in the FitBit watches, Ovens, Geezers, Hospitals and Refrigerator, etc.

ADVANTAGES OF IoT:- It is easy access to information, Communication, Cost is effective and Automation, etc.
DISADVANTAGES OF IoT:- Security, Complexity**,** Fully dependent on Internet**,** Risk and Less Jobs, etc.
APPLICATIONS OF IoT in other Areas:- Industries, Agriculture, Medical and Military, etc.
Finally, IoT is an inter-related system that is able to collect and share data via the Internet without human intervention. The possibilities are so many.

By
Y Jothsna
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CSE A

Thank You

MAKE A SUGGESTION

Your Idea Counts!

SUGGESTIONS

You Can Also Send Your Articles
For Future Issues Through Mail

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