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 ACHIEVEMENTS

- It is proudly say that our final year students of cse V.Kusuma Priya got placed in 6 company's& K.Yaswanth Kumar placed in Deloitte our Director Sri.D.K.R.K. Ravi Prasad garu, Principal Dr. Ravi Kadiyala, Dr.S.Suresh hod cse appreciated the students.

STUDENT ARTICLES:

PALM VEIN

A Leading technology know as
"Plam Vein   Authentication"
can be easly intergreted to customer products

What is Palm Authentication ?

Palm vein authentication is a vein feature authentication technology that uses palm veins as the biometric feature. Palm vein patterns are normally captured using near-infrared light via either the reflection or the transmission methods.

An individual first rests his wrist on some devices, the middle of his fingers, on the sensors supports such that the palm is held centimeters above the devices scanner, which flashes a near infrared ray on the palm.
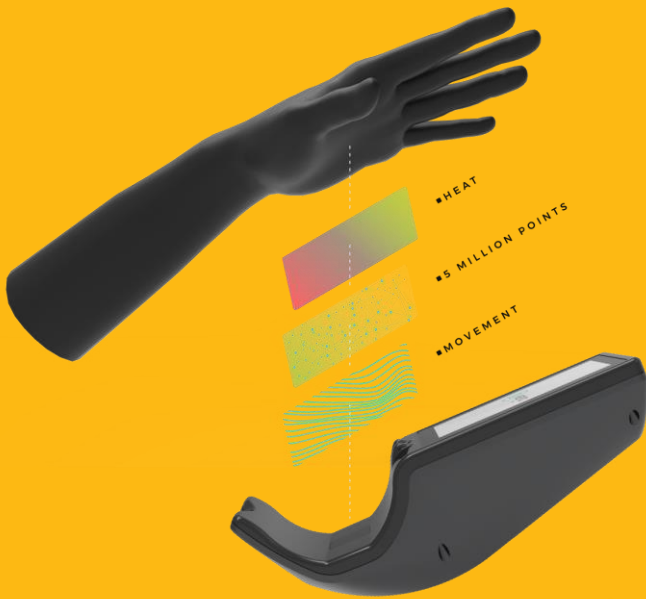
Who Invented Palm Vein technology ?

Joe Rice, An automation controls engineer at Kodak's Annesley Factory, invented vein pattern recognition in the early 1980s in response to his bankcards and identity being stolen.

Joe Rice

How does Palm vein technology work?

Palm vein scan is a biometric that works by using infrared light to map the unique vein structure of your palm, capturing over 5 million data points. The palm vein scanner then converts these data points into a unique encrypted code that becomes your biometric ID.
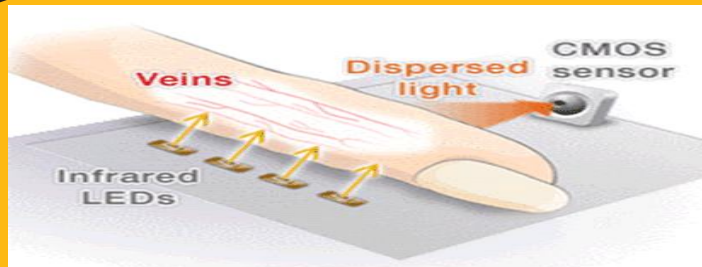
Palm Vein pattern recognition

The haemoglobin in your blood contains oxygen when it is transported from your lungs to the tissues in your body by your arteries. By the time the blood flows back to your heart via different arteries this oxygen has Been relesed.Vein pattern recognition uses this difference between de oxidised and oxygenated

Retina vein pattern recognition

   The human retina is a thin layer of tissue at the back of the eye. Because of the complex structure of capillaries that supply blood to the retina, every retina is unique. Retina vein pattern recognition involves scanning the retina by shining (non-infrared) light through the eyeball. As the blood vessels in the retina absorb this light, the vein pattern can be discerned and stored as an image. Retina vein
   pattern recognition is becoming less popular,
   mainly because it is not a user-friendly technique.

## Finger vein pattern recognition

   Finger vein pattern recognition is based on the same principle as palm vein pattern recognition. Illuminating the vein pattern in the fingers using near-infrared light makes it possible to discern this pattern, thanks to the deoxidised haemoglobin.
   In the case of a finger scan the surface area you are dealing with is much smaller, however. That means, on the one hand, that this is a more compact technique than palm vein pattern recognition, as the scanner is simply a smaller device.

-             by
198T1A0528.Sumana

Student Coordinators :
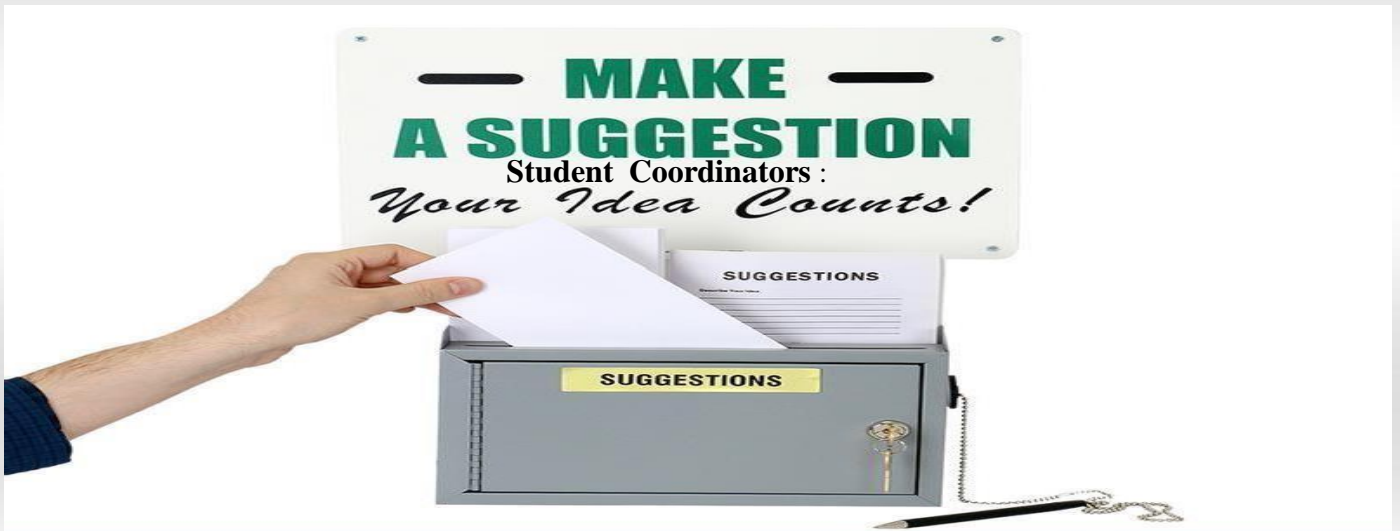
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