SCRIPT STACK

"The future belongs to those who learn more skills and combine them in creative ways."
— Robert Greene

VISION

Produce technically savvy students, encourage innovative skills, and inculcate moral and professional values.

MISSION

Mission 1: To enrich and enhance the knowledge of the faculty and students through constant interaction with stakeholders.

Mission 2: To apply the concept of information technology through an innovative idea for research and development.

Mission 3: To mould the students with ethical and moral values.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1 : To prepare graduates to lead and manage technology-driven projects by integrating engineering principles with effective project management practices.

PEO2 : To equip graduates with entrepreneurial skills and innovative thinking to initiate startups or contribute to the development of new products and services.

PEO3 : To foster a global perspective in graduates by promoting awareness of international standards, cross-cultural collaboration, and global technological trends.

PEO4 : To encourage graduates to participate in community development and outreach initiatives, applying their technical knowledge to serve societal needs.

PEO5 : To nurture adaptability in graduates, enabling them to navigate and thrive in dynamic, multidisciplinary, and rapidly changing technological environments.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

PSO1: Apply core concepts of mathematics, science, and engineering to analyze and solve complex problems in computing and information technology.

PSO2: Design, develop, and implement software and hardware systems using current technologies and industry best practices.

PSO3: Utilize modern tools and techniques to effectively manage data, networks, and telecommunication systems for diverse applications.

PSO4: Demonstrate the ability to conduct research, analyze results, and innovate solutions that meet societal, business, and environmental needs.

PSO5: Exhibit professional ethics, effective communication, teamwork, and lifelong learning skills to succeed in multidisciplinary and dynamic work environments.

THE ROLE OF 5G AND EDGE COMPUTING IN THE FUTURE OF IOT

"5G will be the lifeblood of the new economy, enabling everything from autonomous cars to smart cities."

The **Internet of Things (IoT)** is rapidly transforming the way we live, work, and interact with technology by creating a seamlessly connected digital ecosystem. IoT devices such as wearable fitness trackers and remote monitoring systems enable personalized care and timely medical interventions. IoT is revolutionizing crop management in agriculture through smart irrigation and soil health monitoring. However, while the benefits are immense, IoT also introduces **new cybersecurity challenges** as billions of interconnected devices become potential entry points for cyber attacks. Concerns about **data privacy, device interoperability, and infrastructure scalability** continue to grow. With the rise of **5G networks and edge computing**, the future of IoT looks even more promising, pushing us closer to a world where technology intuitively responds to human needs and environmental changes.

-*Jayasurya S*
IIyr IT

ARVR

"I like live audiences, with real people – virtual reality is no substitute." — *Hillary Clinton.*

Apple has significantly advanced AR/VR technology with devices like the Apple Vision Pro and integrated AR features in the iPhone and iPad. These devices use technologies like LiDAR scanners, advanced cameras, and powerful processors (like the M2 and R1 chips) to deliver highly immersive and interactive experiences. The Apple Vision Pro, Apple's first spatial computer, combines AR and VR into what Apple calls "spatial computing," allowing users to interact with apps, media, and the environment in a 3D space using eye tracking, hand gestures, and voice. iPhones and iPads support ARKit, enabling developers to build AR apps that overlay digital content onto the real world—for gaming, education, shopping, and design. With AR/VR, Apple is aiming to transform how we work, learn, and experience digital content in everyday life.

-Ajay Singh
IIyr IT

NANOTECHNOLOGY

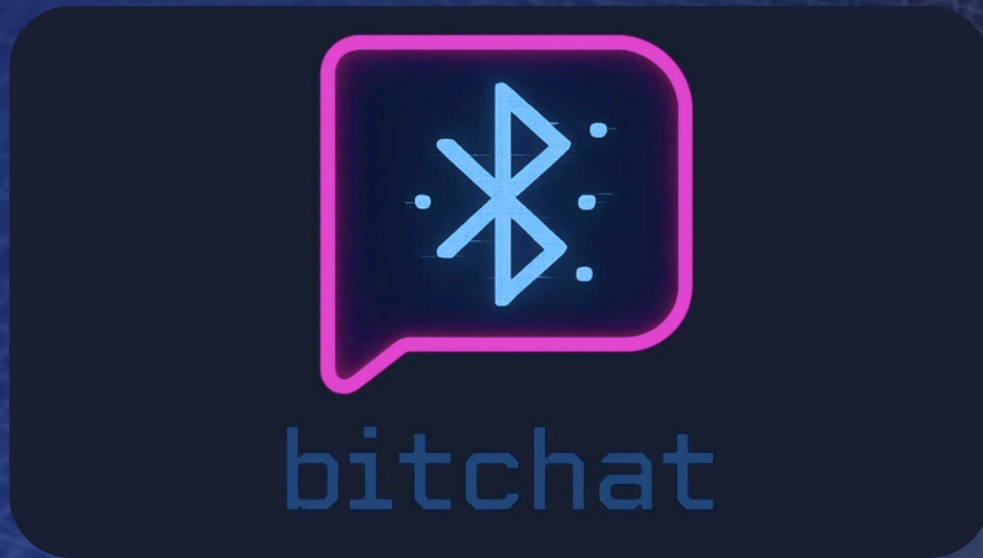*"At the nanoscale, we don't just observe matter — we negotiate with it."*

Nanotechnology has emerged as a powerful force in transforming industries on a global scale, far beyond what its name might suggest. This paper centers on the practical uses of nanotechnology in advancing modern industrial processes. By employing a detailed research methodology and analyzing the most recent findings from reputable scientific databases, this study provides a broad overview of how nanotechnology is reshaping multiple sectors. The findings indicate that its influence extends well beyond laboratory experiments or the limited scope of nanomedicine production. Today, numerous companies are actively incorporating nanotechnology to improve the efficiency, structure, functionality, and design of their products and systems.

-Dharun Kumar S H
II yr IT

BIT CHAT

A decentralized, end-to-end encrypted messaging platform designed for ultimate privacy and security, free from centralized control.

Bitchat is a new decentralized messaging app developed by Twitter co-founder Jack Dorsey. Unlike traditional messaging apps like WhatsApp or Telegram, Bitchat doesn't require internet or mobile data. It uses Bluetooth to send end-to-end encrypted messages over a short range of up to 100 meters, making it ideal for use in areas with limited connectivity such as trains, airplanes, or crowded events. The app operates without any central servers, ensuring a peer-to-peer communication model. It supports both public and private chats, and includes a unique "panic mode" feature that instantly deletes all messages from the device. Additionally, messages on Bitchat are temporary and disappear after a certain period. Still in its early stages of development, Bitchat is currently available on GitHub for Android devices only. It presents a minimalist, secure, and offline alternative to conventional messaging platforms.

-Shreya Sonpavane V K
IIyr IT

SYSTEMS THAT SOAR AND STORE HIGHER -DBMS

A Database Management System (DBMS) is a software system designed to efficiently manage databases by storing, retrieving, and manipulating data. It acts as an interface between users and the actual data stored in the database, making data handling more organized and accessible. DBMS ensures data integrity, consistency, and security, and it supports multiple users accessing the data simultaneously without conflict. It also minimizes data redundancy by centralizing data storage. Common operations like inserting, updating, deleting, and retrieving data are performed using query languages such as SQL. Additionally, DBMS provides features like backup and recovery, ensuring that data is safe in case of failures. Popular examples of DBMS include MySQL, Oracle, Microsoft SQL Server, and PostgreSQL. Overall, a DBMS plays a crucial role in modern applications across various fields such as banking, e-commerce, healthcare, and education by ensuring efficient and secure data management.xt

-*Florence Kaviyarasi T*

IIyr IT

Information Technology

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T E S U O H E R A W A T A D S G G E V Z S R N L
S S E C O R P L Y B A Y N Y C H T C S J U O N N
A N A W T L O C O T O R P J A C R I P G L U A E
Z E C A F R E T N I J D H A N T A V R Z L T L G
V E A Q E T H E R N E T U R N I C R E Y A E O V
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C B R T E H R N I W A N R R P E U P P O D I L E
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M O C S S F Y W G Q E O B D R A O B Y E K T D D
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cloudcomputing	infrastructure	datawarehouse	hostedservice	infostructure	wordprocessor
architecture	spreadsheet	touchscreen	smartphone	interface	mainframe
trackball	database	ethernet	firewall	hardware	keyboard
protocol	software	speakers	topology	usbstick	browser
desktop	headset	monitor	network	printer	process
scanner	storage	laptop	output	portal	router
stylus	switch	tablet	input	tcpip	fddi
twan	dvd	erp	lan	man	wan

ACHIEVEMENTS

CELEBRATING INNOVATION AND EXCELLENCE AT ANAND INSTITUTE OF HIGHER TECHNOLOGY

We are thrilled to share a proud moment from the Innovators' Day 2025 held at Anand Institute of Higher Technology, where excellence in innovation and creativity was recognized on a national platform.

Mr. Venkatesan K.S., representing his team, was awarded the Winner's Title in the National Level Project Contest, receiving a cash prize of ₹2500 for their outstanding contribution. The event aimed to foster ingenuity among budding engineers and celebrate path-breaking ideas that can shape the future.

The photograph captures the felicitation ceremony, with faculty and dignitaries joining to honor the achievement. The event not only spotlighted student talent but also reinforced the institution's commitment to nurturing innovation, research, and academic excellence.

Our student Mridhula from Meenakshi Sundararajan Engineering College from IT department has achieved the remarkable feat of receiving a gold medal from Anna University. This accomplishment stands as a testament to their academic excellence and overall distinction.

Gold medals awarded by Anna University recognize the top-ranking students among thousands of students across affiliated colleges. This honor reflects not only the recipient's exceptional academic performance throughout their degree program but also their dedication, perseverance, and commitment to both their studies and extracurricular engagements

CLUB GOALS AND OBJECTIVES

The goals and objectives of DevDynasty were outlined, including: Providing a platform for students to learn and enhance their skills in web app development. Encouraging collaboration and teamwork among members to work on innovative projects. - Organizing workshops, seminars, and coding competitions to foster learning and creativity.

The DevDynasty has a resounding success, marked by enthusiasm, passion, and a shared commitment to excellence in web app development. As the club embarks on its journey, it looks forward to empowering its members, fostering innovation, and making a positive impact in the world of technology.

PLACEMENT

BARATH VIRUPRIYA
DEPARTMENT OF IT

AISHWARYA
DEPARTMENT OF IT

HARIKRISHNAN
DEPARTMENT OF IT

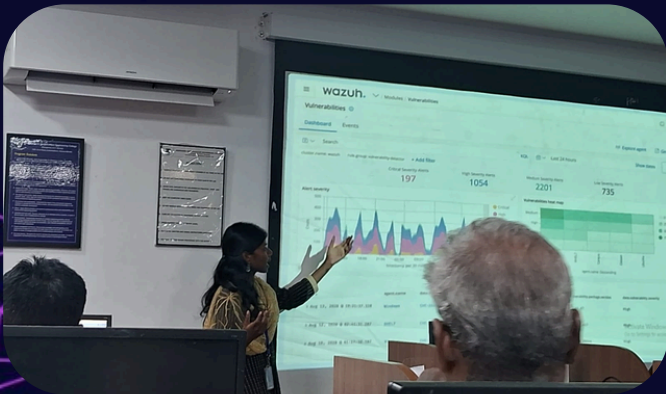**HAIFA ZULAIKA**
DEPARTMENT OF IT

HIGHEST PACKAGE
₹22 LPA

THIRDWAVE

PLACEMENT

The Department of Information Technology continues to set new benchmarks in placements, with outstanding outcomes for the graduating class of 2025. Our students have been placed in renowned companies, securing impressive offers and exceptional packages.

- Leading the placement results this year, Barath Virupriya from the Department of IT clinched the highest package of ₱22 LPA, offered by Thirdwave. Such remarkable achievements highlight the talent and technical expertise of our students.

- Students like Aishwarya and Haifa Zulaika from the IT department have also secured placements with reputed recruiters, reflecting consistent academic performance, strong technical foundations, and active participation in department events.

- Other top recruiters include multinational tech giants, product-based companies, and leading consulting firms, further affirming the robustness of our curriculum and placement training.

FINAL YEAR PAPER PRESENTATION

My Software is an innovative mobile application that integrates the core principles of SIEM (Security Information and Event Management) into the Android ecosystem, empowering individual users to monitor and secure their personal digital space. Unlike traditional SIEM tools designed for enterprise use, this application brings real-time threat detection and cyber awareness to everyday mobile users. The app features an interactive dashboard that visually displays threat levels detected in popular applications such as WhatsApp, Facebook, and more. It identifies potential cyber threats including malware, ransomware, and other vulnerabilities, and provides step-by-step guidelines to resolve detected issues. Additionally, users can contact cybercrime authorities directly through the built-in helpline in case of serious threats. By using My Software, individuals gain control over their digital assets—such as personal photos, videos, and sensitive data—enabling proactive self-defense against cyber threats.

-R HEMASRI
IV yr IT

E CUBE
MINI PROJECT

Market Mandi, also known as the Direct Farmer Market Access App (DFMAA), is a mobile application designed to empower Indian farmers by connecting them directly with buyers, including individual consumers, retailers, and wholesalers, thus eliminating traditional middlemen. To ensure a secure and trustworthy environment, the app integrates Aadhaar-based verification for all users—farmers, buyers, and gig workers—protecting everyone from fraud. The platform features a direct marketplace where farmers can list their produce, and buyers can browse and make purchases. To cater to India's diverse population, the app supports multiple regional languages, making it widely accessible. A unique negotiation tool allows buyers and farmers to bargain over prices, mirroring traditional market culture and ensuring fair transactions. Additionally, Market Mandi provides farmers with invaluable access to real-time market data on demand and pricing trends, helping them make informed decisions about their crops and sales timing to maximize their profits. For logistics, the app offers order updates for gig workers and real-time tracking for both farmers and buyers, creating an efficient and transparent supply chain.

III yr TEAM MEMBERS
RAHUL M
MOHAN RAM K G
SARAVANAN J
SRIHARI S
KISHORE M

FINAL YEAR PROJECT

SORTING AND SEARCHING ALGORITHM VISUALIZER

Title: Sorting and Searching Algorithm Visualizer: Bridging the Gap Between Theory and Practice In the ever-evolving field of computer science education, understanding algorithms remains a cornerstone of learning. Recognizing the challenges faced by students in grasping abstract algorithmic concepts, a dynamic web-based tool titled "Sorting and Searching Algorithm Visualizer" has been developed.

This interactive platform transforms theoretical learning into an engaging visual experience. Built using HTML, CSS, and JavaScript, the visualizer offers real-time animations of popular sorting and searching algorithms such as Bubble Sort, Selection Sort, Insertion Sort, Quick Sort, Linear Search, and Binary Search. Each algorithm is not only animated step-by-step but also paired with concise theoretical explanations and code snippets in multiple languages (C, Java, Python), ensuring a holistic learning experience. What sets this tool apart is its focus on user interactivity—from start/stop controls to adjustable animation speeds, users are empowered to learn at their own pace.

The visualizer also tracks performance metrics such as iteration counts and swap operations, promoting a deeper understanding of algorithm efficiency. The project's architecture is thoughtfully designed, incorporating clear UI sections, real-time DOM manipulation, and robust state management for smooth and responsive animations. This hands-on approach addresses the limitations of traditional, lecture-based methods by placing visual learning at the forefront. This initiative not only enriches students' academic journey but also exemplifies the power of merging education with technology. As a scalable platform, it holds promise for future integration of more algorithms and enhanced user features, making it an invaluable resource for both students and educators.

Saarah Akthar
Santhosh S
IV th year

DEPARTMENT OF INFORMATION TECHNOLOGY

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