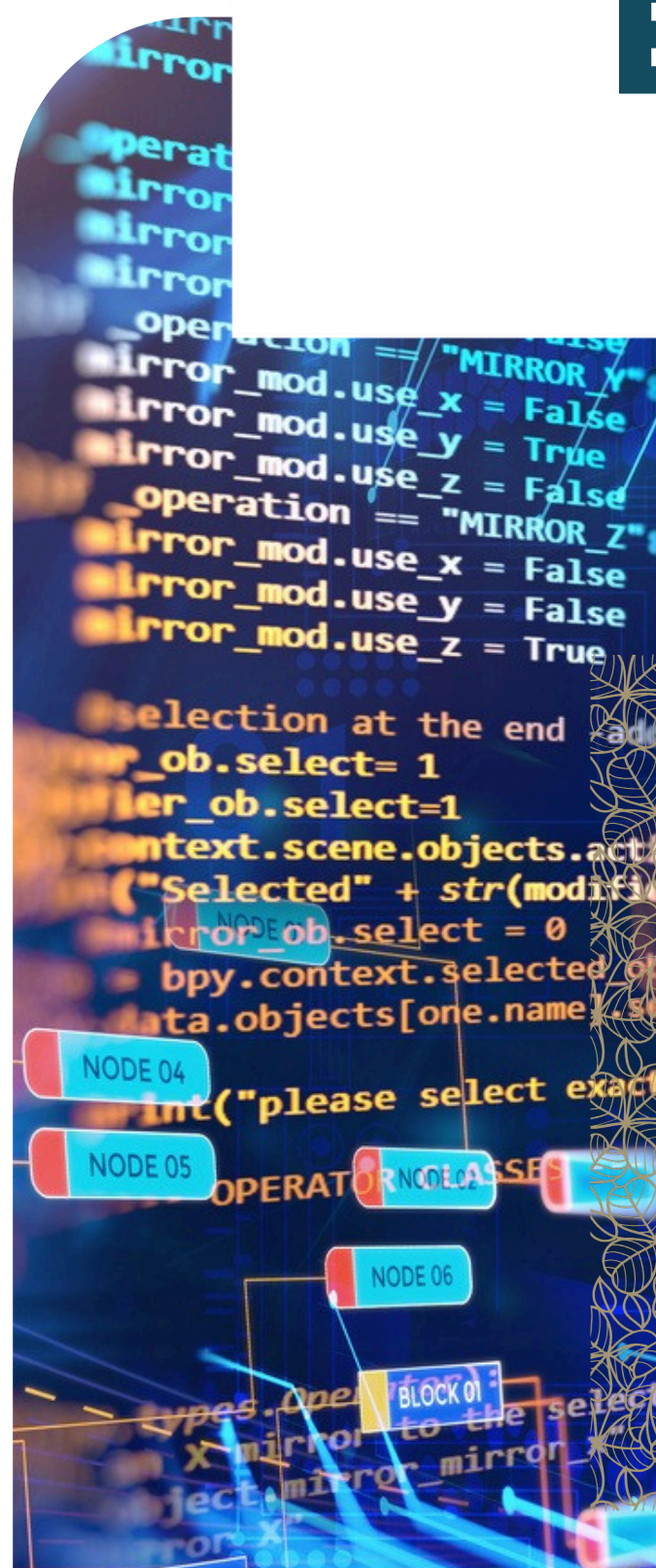
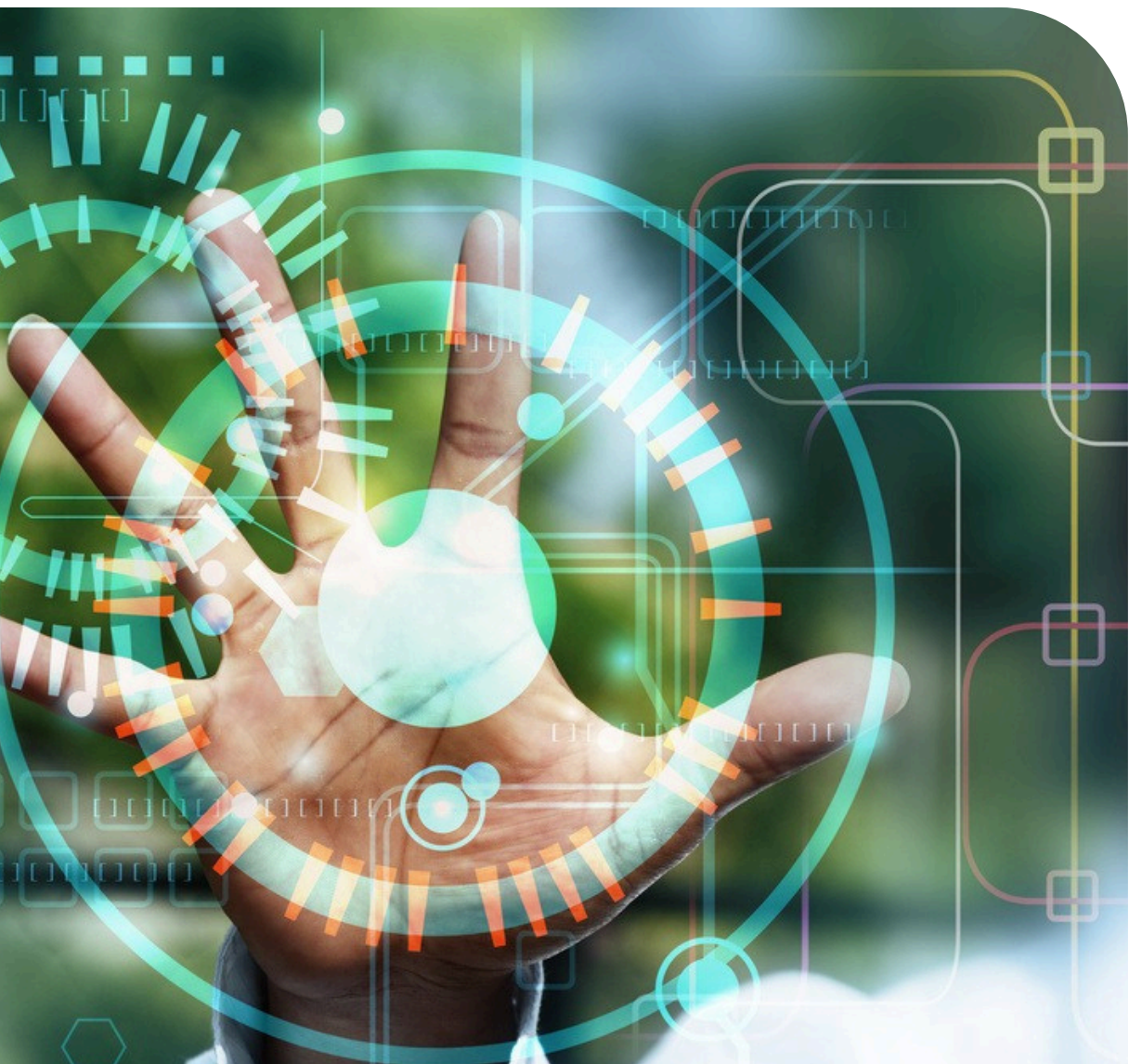




News letter

Department of Computer Science and Engineering



VOL-10
2023-24
ISSUE-06
MAR-APR

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 the 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 the 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 believing – 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. 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

HOD's Message



It gives me a great pleasure to congratulate the staff and students of the Department of Computer Science and Engineering for the publication of the newsletter “Tech Vivids -Insights of CSE”. This newsletter mirrors the professional and academic achievements of faculty and students which would lead them to the overall development of their personality in the globalised world. Our effort would definitely create an impact in the minds of readers, by providing larger visibility and dimension. “Perseverance will always lead to diligence”, with this in mind the department aims at quality teaching by exploring divergent events. The department motivates the students to improve their knowledge by organizing and participating in various events. This is only a small step towards a long journey to achieve progress. On our way towards reaching the objectives we may have face numerous milestones. I hope “Tech Vivids- Insights of CSE” would enlighten us with hope, confidence and faith in the journey ahead I congratulate the editorial board for the publication of the newsletter.

Dr.K.Sowmya
Professor & HOD
Dept. of CSE

Project Expo

DHANEKULA
INSTITUTE OF ENGINEERING & TECNOLOGY
Ganguru, Vijayawada

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING & CSM

WELCOME
to
"PROJECT EXPO"
Inauguration
by
NIR GENDLER
GM - Optronics Global TechEd Division in India & Israel
Dronacharya Tech-HUB

Date & Time
06.03.2024
11:30 AM

Venue
Room No F8
First Floor

The Project Expo has been organized by the Department of Computer Science and Engineering on 06-03-2024. Which has been attended by NIR Genler GM – Optronics Global TechEd Division in India & Israel Dronacharya Tech-HUB



BLOOD DONATION CAMP



The Blood Donation Camp by the American Cancer Care Blood Center has been organized by the NSS unit of DIET in which the students were voluntarily donated their blood for the needy people.



Parents Meeting

Date : 16-03-2024



The Parents Meeting has been conducted on 16-03-2024 to discuss about the academic performance and their achievements in Co-curricular and extracurricular activities of students with their Parents.



FINAL YEAR PROJECT EXPO

Date: 18-03-2024



The poster features a light blue and pink background with a decorative wave pattern on the right. At the top left is the logo of DhaneKula Institute of Engineering & Technology (DIET), which includes a circular emblem with a book and a gear. The text 'DHANEKULA' is in large, bold, red letters, followed by 'INSTITUTE OF ENGINEERING & TECNOLOGY' in smaller red letters. Below that, 'Ganguru, Vijayawada (Autonomous)' is written in black. The department name 'DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING' is in blue. The main title 'Welcome to FINAL YEAR PROJECT EXPO 2024' is centered, with 'Welcome' in a black script font, 'to' in a small red script font, 'FINAL YEAR' in red, and 'PROJECT EXPO 2024' in large red letters. On the bottom left, there is a calendar icon and the text '18-03-2024 9:00 AM'. On the bottom right, there is a location pin icon and the text 'Venue F13,F14,F16'.

DHANEKULA
INSTITUTE OF ENGINEERING & TECNOLOGY
Ganguru, Vijayawada
(Autonomous)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Welcome
to
FINAL YEAR
PROJECT EXPO
2024

18-03-2024
9:00 AM

Venue
F13,F14,F16

The final year students of Computer Science and Engineering have showcased their final year academic projects which not only showcased their talent but also encourage the upcoming batches also to do the good academic projects by using their intellectual and technical skills.



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY AUTONOMOUS

GANGURU: VIJAYAWADA – 521 139



(Approved by AICTE New Delhi, Permanently Affiliated to JNTU Kakinada)

ISO 9001:2015 Certified Institution, Accredited by NBA for ME, EEE, ECE & CSE.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Development Programs -Attended

S.No	Name of the Faculty	Date	Type of Program	No. of Days	Name of the Program	Host Institution
1	Mrs. Sai Jyosthna	26/02/2024 to 01/03/2024	FDP	5	Deep Learning and Artificial Intelligence	EXCELR, Skill AP -APSSDC
2	Mr.K.Srikanth	04/03/2024 to 09/03/2024	FDP	5	Comprehensive Cyber Security and Ethical Hacking	CBIT(A), Hyderabad, Telangana,
3	Mr.Ch.Sunil	11/03/2024 to 15/03/2024	FDP	5	Data Analytics using Power BI and Tableau	EXCELR Raising Excellence
4	Mrs.M.Rathna Deepthi	11/03/2024 to 15/03/2024	FDP	5	IDEA GENERATION METHODS	ICTACADEMY
5	Mr.G.Suresh Kumar	11/03/2024 to 15/03/2024	FDP	5	Data Analytics using Power BI and Tableau	EXCELR ,Parul University - Gujarat
6	Mr.M.Sriramulu	11/03/2024 to 16/03/2024	FDP	5	Data Analytics Process Automation	Raghu Engineering College
7	Mr.G.Suresh Kumar	01/04/2024 to 05/04/2024	FDP	5	Data Visualizaion Using Tableau	Mohan Babu University, Tirupati.
8	Mr.V.Naga Malleswara Rao	01/04/2024 to 05/04/2024	FDP	5	Data Visualization Using Tableau	Mohan Babu University, Tirupati.
9	Mr.P.N.V.S Sudheer	22/04/2024 to 26/04/2024	FDP	5	Sustainable AI applications & LLM Technologies for Health Data Analytics	GMR Institute of Technology, Vizianagaram
10	Mrs.V.Sai Jyothsna	19/04/2024 to 20/04/2024	Workshop	2	Artificial Intelligence Workshop	AIMERS

CAMPUS CLEANING DRIVE



On 18-3-2024 the students of Computer science and Engineering have participated in the campus cleaning drive to create awareness among students to maintain cleanness in their surroundings and to maintain good hygiene.



Student Article

INDIA: THE LAND OF DIVERSE TRADITIONS

India, a vibrant nation of 1.3 billion people, is a melting pot of cultures, languages, and traditions. With a rich history spanning thousands of years, India's diversity is its greatest strength. From the majestic Himalayas to the scenic beaches of Goa, India's landscape is as varied as its people.



The festive spirit of India is infectious, with numerous celebrations throughout the year. Diwali, the Festival of Lights, illuminates the night sky, while Holi, the Festival of Colors, paints the streets with vibrant hues. Eid-al-Fitr and Christmas are also celebrated with great enthusiasm, highlighting India's diversity and acceptance of different religions.



Indian cuisine is a symphony of flavors, with each region offering its unique dishes. The spicy curries of North India, tangy flavors of South India, and rich sweets and desserts are a culinary delight. From traditional thalis to modern fusion cuisine, Indian food has gained global popularity.



India's artistic heritage is a treasure trove of expression. Classical dance forms like Bharatanatyam and Kathak, music ranging from traditional ragas to contemporary Bollywood hits, and literature spanning ancient epics to modern masterpieces showcase the country's creative richness.

India's artisans and craftsmen have honed their skills over centuries, creating intricate textiles,



pottery, and jewelry.

At the heart of Indian culture lies a profound spiritual heritage. Hinduism, Buddhism, Jainism, and Sikhism originated in India, shaping the country's philosophy and way of life. Concepts like karma, dharma, and moksha guide daily life, encouraging reflection and self-awareness.

Interestingly, India has 22 official languages, and the iconic Taj Mahal changes color with the seasons. This diversity and richness make India a fascinating destination, inviting exploration and discovery.

In conclusion, Indian culture is a vibrant tapestry, woven with diverse threads. Experience its warmth, richness, and beauty, and discover the magic that makes India so unique.

*Article by
M. Vasanthi Devi,
238T1A05A6*

Cyber security and its importance

Definition: Cybersecurity is the protection to defend internet-connected devices and services from malicious attacks by hackers, spammers, and cybercriminals. Companies use the practice to protect against phishing schemes, ransomware attacks, identity theft, data breaches, and financial losses.

Why is cybersecurity important?

With the number of users, devices and programs in the modern enterprise increasing along with the amount of data -- much of which is sensitive or confidential -- cybersecurity is more important than ever. But the volume and sophistication of cyber attackers and attack techniques compound the problem even further. The various elements in cyber security are Application Security, Cloud security, Information or Data Security, Mobile Security.

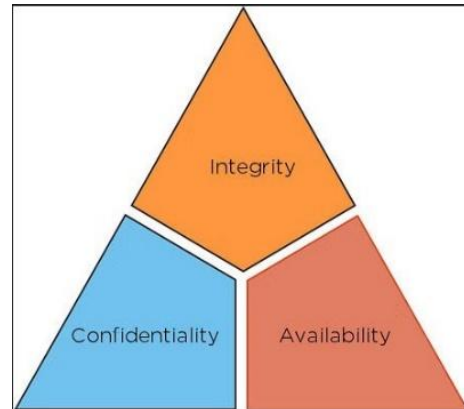
Here is a list of common cyber threats:

- **Malware:** This threat encompasses ransomware, spyware, viruses, and worms. It can install harmful software, block access to your computer resources, disrupt the system, or covertly transmit information from your data storage.
- **Trojans:** Like the legendary Trojan Horse of mythology, this attack tricks users into thinking they're opening a harmless file. Instead, once the trojan is in place, it attacks the system, typically establishing a backdoor that allows access to cybercriminals.
- **Botnets:** This especially hideous attack involves large-scale cyberattacks conducted by remotely controlled malware-infected devices. Think of it as a string of computers under the control of one coordinating cybercriminal. What's worse, compromised computers become part of the botnet system.
- **Adware:** This threat is a form of malware. It's often called advertisement-supported software. The adware virus is a potentially unwanted program (PUP) installed without your permission and automatically generates unwanted online advertisements.
- **SQL injection:** A [Structured Query Language](#) attack inserts malicious code into a SQL-using server.
- **Phishing:** Hackers use false communications, especially e-mail, to fool the recipient into opening it and following instructions that typically ask for personal information. Some phishing attacks also install malware.
- **Man-in-the-middle attack:** MITM attacks involve hackers inserting themselves into a two-person online transaction. Once in, the hackers can filter and steal desired data. MITM attacks often happen on unsecured public Wi-Fi networks..
- **Denial of Service:** DoS is a cyber attack that floods a network or computer with an overwhelming amount of "handshake" processes, effectively overloading the system and making it incapable of responding to user requests.

CIA Triad:

The security of any organization starts with three principles: Confidentiality, Integrity, Availability. This is called as CIA.

- **Confidentiality:** The principles of confidentiality assert that only authorized parties can access sensitive information and functions. Example: military secrets.
- **Integrity:** The principles of integrity assert that only authorized people and means can alter, add, or remove sensitive information and functions. Example: a user entering incorrect data into the database.
- **Availability:** The principles of availability assert that systems, functions, and data must be available on-demand according to agreed-upon parameters based on levels of service.



Best Practices to defend against Cyber-attacks:

- Use VPN to privatize your connections
- Before clicking on links check the links
- Do not be lethargic with your passwords
- Scan external devices for viruses
- Store sensitive information in a secure place
- Enable two-factor authentication
- Double-check the HTTPS on websites
- Remove adware from the computer
- Disable Bluetooth connection when you are not using it.
- Avoid using public networks
- Invest in security upgrades

By
P.N.V.S.Sudheer,
Assistant Professor

You can send your feedback as well as articles to the below
mail provided
[mail id:newslettercsdiet@gmail.com](mailto:newslettercsdiet@gmail.com)



” <https://www.google.com/maps/place/Dharmakulam+Institute+of+Engineering+%E2%80%9C+Technology/pis.-aasz5,so.z36s2ss,i7z/aata=!3m!snt!lams!3ms!tsox3a3srcs1sec2yna:oxss2%20aie!9a2aazra8n23dy6+685785d807389002y6s%202Fm%202Fz%206c%20enc%20ttu>

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