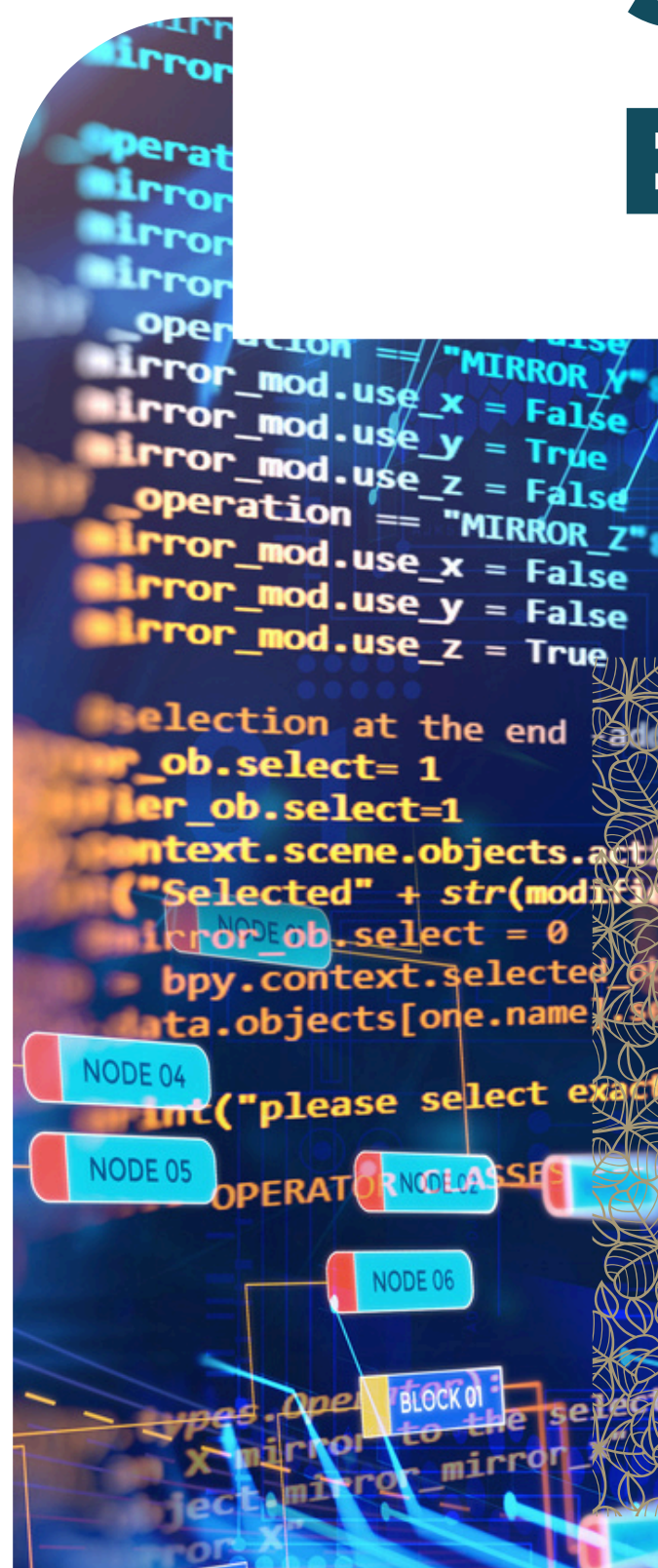




News letter

**Department of
Computer
Science and
Engineering**



**VOL-11
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JUL-AUG**



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

Faculty Meeting

A faculty meeting was Conducted on 18.07.2024

- To discuss Student Induction Program for I B.Tech Students.
- Instructions given to Counselors, Class In charges regarding attendance.
- Instructions to Councillors of IV B.Tech regarding CRT.
- Anti ragging duties are assigned to faculty to maintain Ragging free campus.



A faculty meeting was conducted on 8.08.2024

- CSR Infosys training was scheduled from 19/08/2024 to 21/09/2024 to IV year Students.
- Students participation on Independence Day celebration in JNTUK.
- NCC selections for volunteers was conducted on 13/08/2024.





Students Participation in Induction Programme-2024-25

S.No	Name of the Module	Name of the Activity	No. of Participants
1	Creative Practices	Greeting Card Preparation	24
2	Creative Practices	Name Theme	60
3	Creative Practices	Drawing	61
4	Creative Practices	Essay Writing (Telugu)	76
5	Creative Practices	Pen/Pencil Stand Preparation	120
6	Extra Circular activities	Cue Cards	23
7	Extra Circular activities	Role Play	22
8	Extra Circular activities	Singing	25
9	Extra Circular activities	Dance	15
10	Literature Activity	Debate	60
11	Literature Activity	QUIZ	120
12	Literature Activity	Group Discussion	62
13	Literature Activity	JAM	75
14	Literature Activity	Poster Presentation	77





Dhanekula Institute of Engineering & Technology

GIRL AND A DREAM

Once in a small village, there lived a young girl named Maya who dreamed of becoming a painter. Her room was filled with sketches, but she never shared them with anyone, fearing they wouldn't be good enough.

One day, the village announced an art competition. The winner would have their work displayed in the town hall. Maya hesitated, unsure of herself, but a gentle push from her grandmother encouraged her to enter. "You never know until you try," her grandmother said, smiling. With a mix of excitement and fear, Maya decided to paint a mural on a large canvas. She poured her heart in to it, capturing the beauty of the village and the warmth of its people. The more she painted the more her confidence grew.

On the day of the competition, she stood before the judges, her heart racing. When they unveiled her mural, the crowd gasped. Maya had created something truly special. She didn't win first place, but she received an honorable mention, and more importantly, the villagers were inspired by her work.

From that day on, Maya painted boldly, sharing her art with the world. She learned that taking a chance and expressing herself was the true victory. And as her paintings filled the village, they brought joy and inspiration to everyone around her.

The Lesson ? Sometimes, the greatest risks lead to the most beautiful rewards. All you have to do is start.



A.VENGA SWAPNA
III-CSE-A

Becoming an AI Data Scientist: The Next Steps

A data scientist is a professional who specializes in analyzing and interpreting data. They use their data science skills to help organizations make better decisions and improve their operations. Data scientists typically have a strong background in mathematics, statistics, and computer science. They use this knowledge to analyze large data sets and find trends or patterns. Additionally, data scientists may develop new ways to collect and store data. Advanced AI algorithms are improving their capabilities at a stunning rate, pointing toward the future of data science.

What does a Data Scientist do?

Data Scientists also play a crucial role in feature engineering, model evaluation, and deploying models into production. Their work spans industries, aiding businesses in optimizing operations, improving products, and driving data-driven strategies for success. They are instrumental in transforming data into actionable knowledge that drives innovation and competitive advantage.

Role of a Data Scientist

1. **Data Cleaning and Preparation:** Scrubbing data to ensure its quality and readiness for analysis. This involves handling missing values, detecting outliers, and ensuring data consistency.
2. **Data Exploration and Analysis:** Using statistical methods to explore the relationships between different variables in datasets, identify patterns, and detect anomalies.
3. **Predictive Modeling:** Developing models that predict future outcomes based on historical data. This involves selecting the appropriate model, training it with data, and validating its accuracy.
4. **Machine Learning and Advanced Analytics:** Applying machine learning algorithms to build models that can automate decision-making processes or enhance predictions with increasing accuracy over time.
5. **Data Visualization and Reporting:** Creating visual representations of data findings and analysis results to make them accessible and understandable to non-technical stakeholders.
6. **Cross-functional Collaboration:** Working with other departments, such as engineering, product, and business teams, to understand their data needs and deliver insights to drive strategic decisions.
7. **Innovative Solution Development:** Identifying opportunities to apply data science techniques to new organizational areas, leading to innovative products, services, or operational improvements.
8. **Big Data Technologies:** Utilizing big data technologies and tools to handle, process, and analyze large datasets that traditional data processing applications cannot manage.
9. **Continual Learning:** Staying current with the latest technologies, algorithms, and methodologies in data science to continually improve processes and outcomes.
10. **Ethical Oversight:** Ensuring the ethical collection, handling, and use of data, including considerations for privacy, consent, and bias mitigation.



Dr.M.Aruna Safali
Professor, CSE Dept.



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

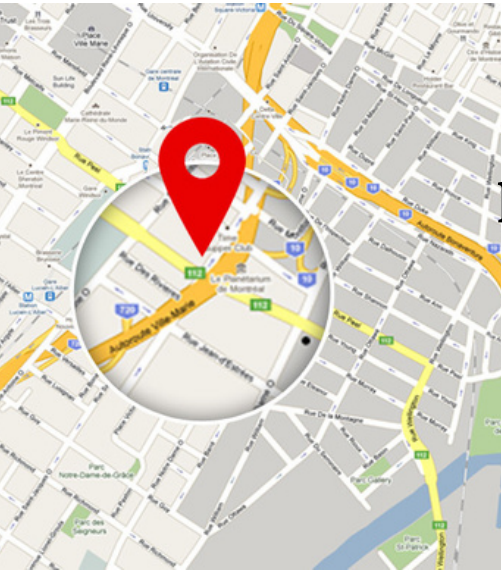
**Faculty Development Programs -Attended
(Jul-Aug)**

Academic Year: 2024-2025

S.No	Name of the Faculty	Date	Type of Program	No. of Days	Name of the Program
1	Dr. M. Aruna Safali	15/07/2024 to 20/07/2024	FDP	5	National Level One Week FDP on Emerging Trends and Challenges in Cloud Computing
2	Mrs. N. Srilakshmi	15/07/2024 to 20/07/2024	FDP	5	Django Development Bootcamp
3	Mrs. N. Madhuri	15/07/2024 to 20/07/2024	FDP	5	Django Development Bootcamp
4	Mrs. K. Anitha	15/07/2024 to 20/07/2024	FDP	5	Django Development Bootcamp
5	Mrs. P. Sarala	15/07/2024 to 20/07/2024	FDP	5	Data Analytics Using Tableau
6	Mr. V. Naga Malleswararao	16/07/2024 to 22/07/2024	FDP	5	AI and Gen with Industry Application
7	Mr. V. Naga Malleswararao	26/07/2024 to 28/07/2024	FDP	3	Generative AI
8	Mrs. L.N.B Jyostna	05/08/2024 to 09/08/2024	FDP	5	Cultivating AI And Machine Learning Expertise
9	Mr.P.V.N.S Sudheer	12/08/2024 to 19/08/2024	FDP	5	Machine Learning and Artificial Intelligence
10	Mrs. K. Anitha	27/08/2024 to 31/08/2024	FDP	5	Tensor flow for Machine Learning

You can send your feedback as well as articles to the below
mail provided

mail id: newslettercsediet@gmail.com



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Editorial & Design Team

Faculty: Mrs. N. Srilakshmi

Mrs. N. Madhuri

Mrs. S. Naga Sindhu