DEPARTMENT
OF
COMPUTER SCIENCE & ENGINEERING

N E W S L E T T E R

COMPUTER SCIENCE & ENGINEERING
CSE REFLECTIONS
A.Y: 2024-2025 ISSUE-III(JAN-MAR)

EVENTS ORGANIZED:

- ❖ **Faculty Achievements**
- ❖ **Faculty Publications**
- ❖ **Research Colloquium**
- ❖ **NPTE Achievements**
- ❖ **Industrial Visits**
- ❖ **MoU's Signed**
- ❖ **Workshops conducted by Faculty**
- ❖ **Workshops attended by Faculty/Students**
- ❖ **Student Internships**
- ❖ **Student Achievements**
- ❖ **Student Results-Toppers**
- ❖ **Placement Details**
- ❖ **Sports Details**
- ❖ **NSS**
- ❖ **NCC**

ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering at the LBRCE was established in 1998, offers Undergraduate Programs - B.Tech in CSE and Post Graduate Program - M.Tech in Data Science. The B.Tech (Computer Science and Engineering) program was started in the year 1998 with an intake of 40 students and the intake was subsequently increased to 60 students in the year 1999, 90 students in the year 2008, 120 students in the year 2009, 180 students in the year 2019, 240 students in the year 2023 and 420 students in the year 2024. The M.Tech (Data Science) was started in the year 2023 with an intake of 06 students. Currently, our institute has enabled high speed Internet bandwidth of 2090 Mbps.

VISION:

The Computer Science & Engineering aims at providing continuously stimulating educational environment to its students for attaining their professional goals and meet the global challenges.

MISSION:

1. To develop a strong theoretical and practical background across the computer science discipline with an emphasis on problem solving.
2. To inculcate professional behavior with strong ethical values, leadership qualities, innovative thinking and analytical abilities into the student.
3. Expose the students to cutting edge technologies which enhance their employability and knowledge.
4. Facilitate the faculty to keep track of latest developments in their research areas and encourage the faculty to foster the healthy interaction with industry.

One day workshop On "3-Tier MVC Architecture Implementation"

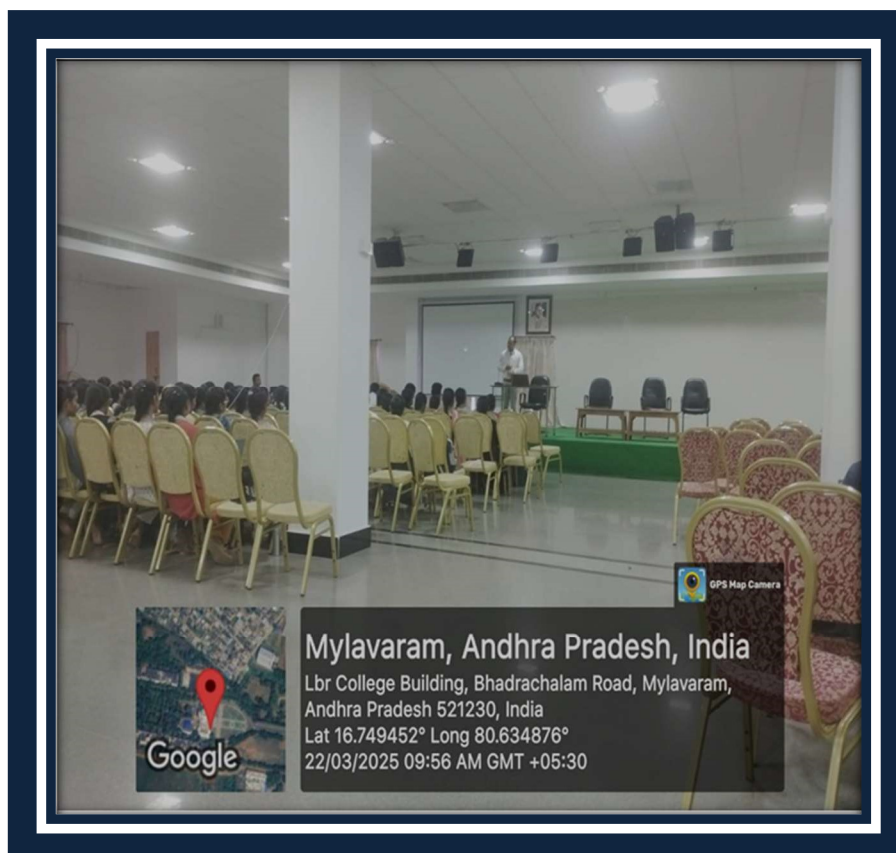**Resource Person:** Dr.Venkat, Mr.Vishnu, Mr.S.Siva.
Name of the Organization: Alladi Cloud Solutions,HYD
Event Date: 22-03-2025

About The Event:

The objective of event Implementing a 3-Tier MVC (Model-View-Controller) Architecture in a project provides students with valuable learning experiences and practical exposure to real-world software development. This architecture helps in structuring applications efficiently by dividing them into three distinct layers: the Presentation Layer (View), Business Logic Layer (Controller), and Data Layer (Model).

By working on such a project, students gain hands-on experience in building scalable and well-organized applications.

Mylavaram, Andhra Pradesh, India
Lbr College Building, Bhadrachalam Road, Mylavaram,
Andhra Pradesh 521230, India
Lat 16.749452° Long 80.634876°
22/03/2025 09:56 AM GMT +05:30

One day Guest Lecture On
"Digital Forensics and Block chain in Cryptography"
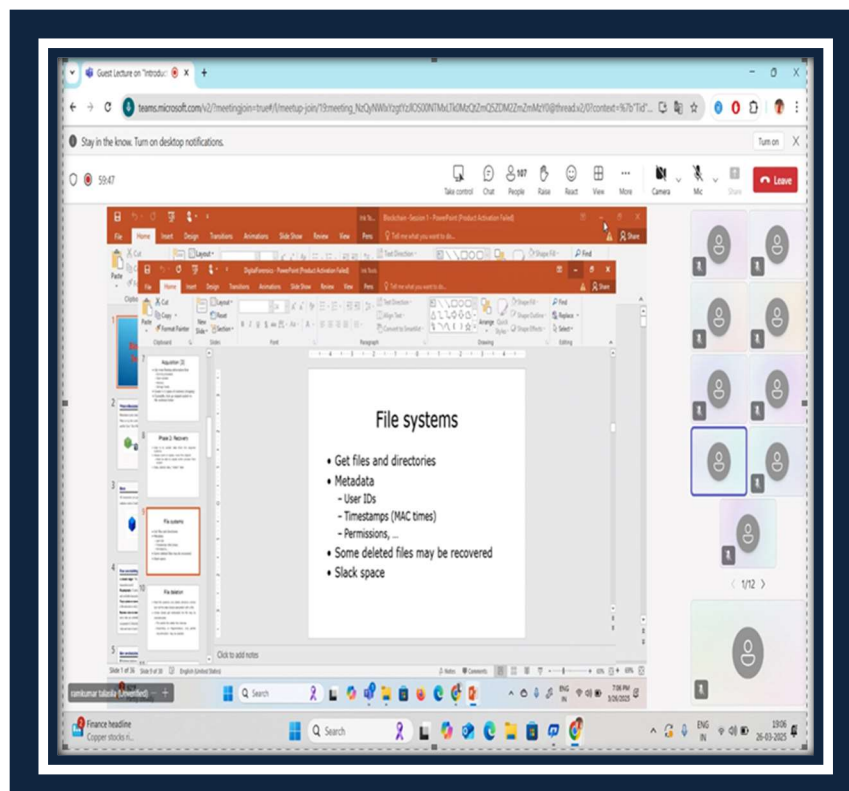
Resource Person: Mr.T. Ram Kumar
Name of the Organization: Aditi Software, Hyd.
Event Date: 26-03-2025

About The Event:

The objective of this guest lecture was to provide participants with an in-depth understanding of cryptographic vulnerabilities in web applications. The session focused on real-world security flaws, cryptographic weaknesses, and best practices for securing web applications against cryptographic attacks.

Attendees were introduced to key concepts such as encryption algorithms, cryptanalysis techniques, andsecurity misconfigurations that could lead to cyber threats.

One day Guest Lecture On
"Web Application Hacking"
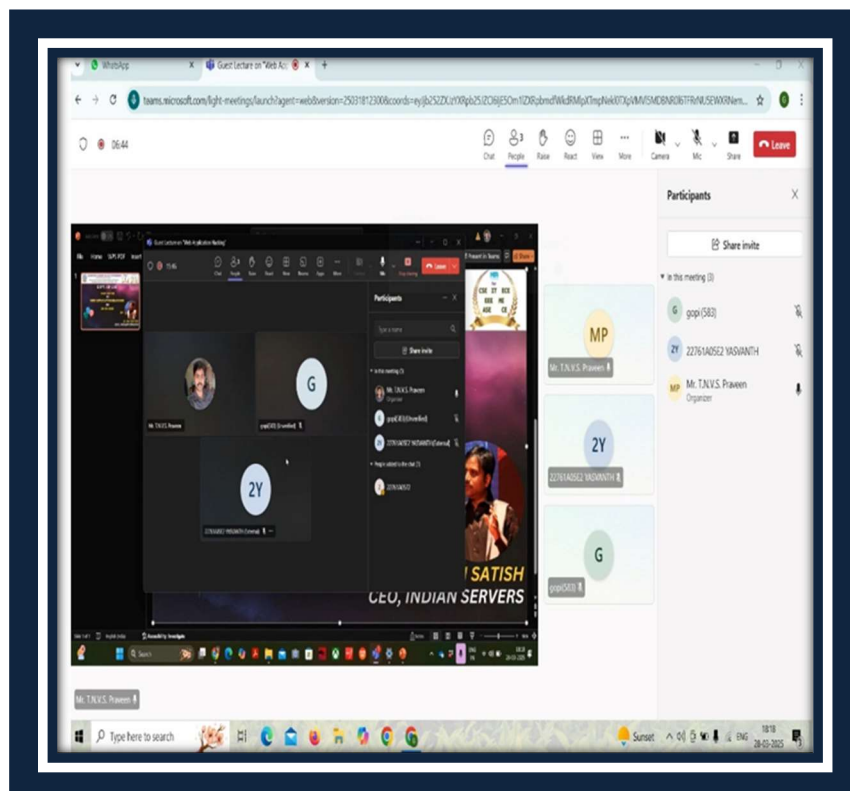
Resource Person: Mr. Sai Satish
Name of the Organization: Indian Servers.
Event Date: 28-03-2025

About The Event:

   The objective of this guest lecture was to provide participants with an in-depth understanding of cryptographic vulnerabilities in web applications. The session focused on real-world security flaws, cryptographic weaknesses, and best practices for securing web applications against cryptographic attacks.

   Attendees were introduced to key concepts such as encryption algorithms, cryptanalysis techniques, and security misconfigurations that could lead to cyber threats.

One-day Guest Lecture On
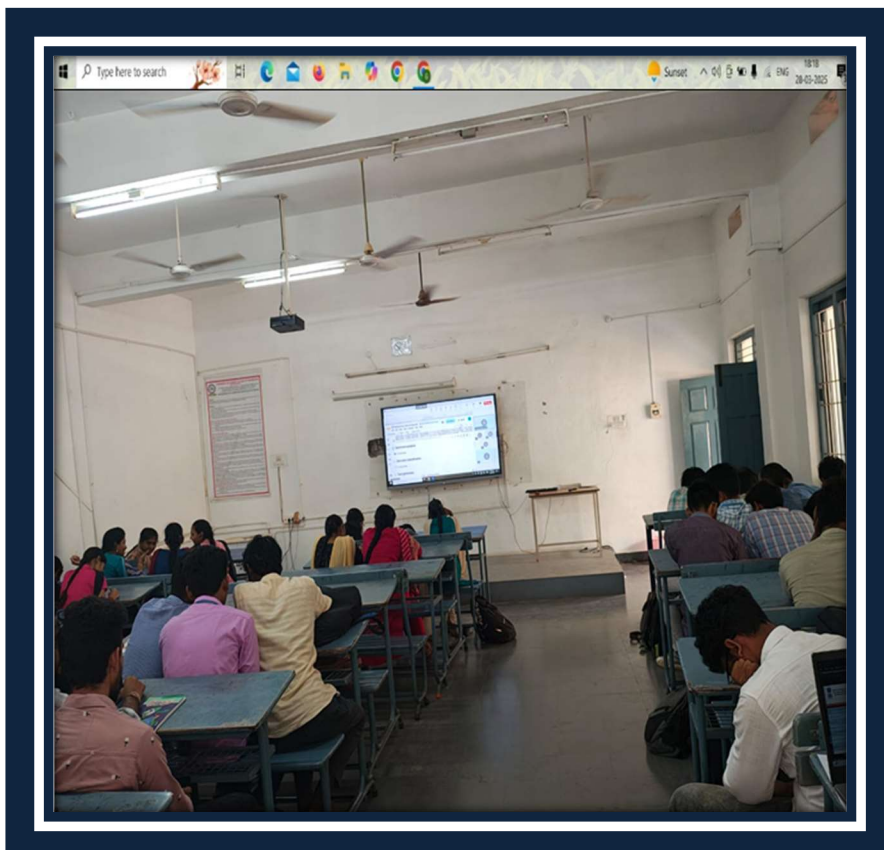## "NLP and its Applications"

Resource Person: Dr Swarup Ranjan
Name of the Organization: ExxonMobil Bangalore
Event Date: 29-03-2025

About The Event:

The session was delivered by Dr.Swarup Ranjan a distinguished expert in NLP.The objective of this lecture was to introduce students to the fundamentals concepts of NLP,its real world applications,and its role in modern AI-driven systems.

Guest lecture On
" Applications of Database in Industry"

Resource Person: Mr. Prasanta Roy
Name of the Organization: Microsoft
Event Date: 21-03-2025

About The Event:

To provide participants with a comprehensive understanding of how databases are utilized across various industries to enhance efficiency, decision-making, and business operations. The session will cover real-world applications, emerging trends, and best practices in database management. Goal: To enhance participants' understanding of the critical role databases play in various industries.

It aims to bridge the gap between theoretical knowledge and real-world applications, enabling attendees to appreciate the significance of database management in improving business efficiency, decision-making, and innovation.

Guest lecture On
"Stack and Queue Applications"

Resource Person: Mr. M. Tribhuvan Reddy
Name of the Organization: LTI Mindtree Hyd
Event Date: 27-03-2025

About The Event:

A guest lecture on "Stack and Queue Applications" was conducted on 27th March 2025. The session was delivered by Mr. M. Tribhuvan Reddy, a distinguished professional from LTI Mindtree. The lecture aimed to provide students with insights into the real-world applications of stack and queue data structures in various domains of computing.

Research and Development

Publications:

Journals(SCI):

1. **"Enhancing security and efficiency in Mobile Ad Hoc Networks using a hybrid deep learning model for flooding attack detection",** Pramodh Krishna D, E. Sandhya, Khaja Shareef Sk, Srihari Varma Mantena, **D. Venkata Subbaiah**, Ch Koteswara rao, Srinivasa Rao Vemula & Maruthi Vemula, in **Scientific Reports(Q1,Impact factor:0.9,H index:315),** 15:818, 04-01-2025, ISSN: 20452322. https://doi.org/10.1038/s41598-024-84421-0

Journals(SCIE):

1. **"Automated micro-plastic detection and classification using deep convolution neural network pre-trained models and transfer learning", K. Devipriya ,** Mehdi Tlija , Chanumolu Kiran Kumar ,V. Chandra Kumar ,Subrata Jana ,Chiranjibe Jana ",AIP_Advances**(Q3,Impact factor:0.34,H index-81**)_vol.15, Issue: 2,   Date: 1/2/2025,   E-ISSN: 2158-3226. https://doi.org/10.1063/5.0243976

2. **"HHFHNet: Hybrid Deep Learning Network for Course Recommendation Using H-Matrix", S.Nagarjuna Reddy**, Chandra Sekhar Kolli,Mohan Kumar Chandol,R Ravi Kumar,Ravi Kumar Balleda, Masthan Siva Krishna Munaga, Transactions on Emerging Telecommunications Technologies(Q1), vol.36, Issue:6, Pg.No: 1-20, 20-03-2025, E-ISSN: 2161-3915.https://doi.org/10.1002/ett.70090, https://onlinelibrary.wiley.com/doi/10.1002/ett.70090

Journals(ESCI):

1. **"A two-step machine learning approach for predictive maintenance and anomaly detection in environmental sensor systems",** Saiprasad Potharaju ,Ravi Kumar Tirandasu, Swapnali N. Tambe,Devyani Bhamare Jadhav , **D.Anil Kumar**, Shanmuk Srinivas Amiripalli_MethodsX**(Q2,Impact factor:0.39,H index-46**), Volume 14, June 2025, 103181,pg.no: 1-11, 28-Jan-2025, E-ISSN: 22150161.https://doi.org/10.1016/j.mex.2025.103181

Journals(SCOPUS):

1. **"An Integrated Anomaly Detection Framework For Stream Data Using Extended Lof With Window Method",** A Sree Rama Chandra Murthy, **CH. Venkata Narayana,** Journal of Theoretical and Applied Information Technology,**Q4 Impact Factor-0.17 H-Index-39,**15th January 2025. Vol.103. No.1, ISSN: 1992-8645, E-ISSN: 1817-3195.https://www.jatit.org/volumes/Vol103No1/13Vol103No1.pdf

2. **"Predicting Air Quality Index in Real Time and Classifying Its Health Effects: Advancements in Machine Learning",** Narendra Babu P, Dasari Anusha**, D. Anil Kumar,** Ruqsar Zaitoon, K Jairam, M.V.P. Umamaheswara Rao, International Journal of Medical Toxicology & Legal Medicine,**Q3 Impact Factor-0.28 H-Index-14** Vol. 27, Issue: No.5,2024, pg.No: 194-202, 01-Jan-2025, E-ISSN: 0974-4614,Print-ISSN: 0974-4614.https://ijmtlm.org/index.php/journal/article/view/959

3. **"Hindi spoken digit analysis for native and non-native speakers ", P. Bhagath,** M Shanmukha, Pradip K Das**,** IAES International Journal of Artificial Intelligence (IJ-AI), **Q1 Impact Factor-1.84, H-Index-62** Volume:14, Issue:02, Pg.No: 1561-1567, Date:17/2/2025, E-ISSN: 2089-4872/2252-8938.http://doi.org/10.11591/ijai.v14.i2.pp1561-1567

4. **"Advanced Ai- Machine Learning Methods For Iot Environment Attack Detection Using Mountain Gazelle Optimizer With Optimal Deep Belief Network" Srinivasa Rao Chopparapu,** Kranthi Kumar Lella,,Swathi Alluri, Nanditha Boddu, **,** Journal of Theoretical and Applied Information Technology**, .** Vol.103. No.4 **,** Pg. No:1279-1289, 28th February 2025, ISSN:1817-3195, 1992-8645.http://www.jatit.org/volumes/hundredthree4.php

5. **"Navigating Mental Health: Emotion and Personality-Based Prediction System",** **B. Swathi,** S. Vijayalakshmi, P.Jai Durga Lakshmi, B. Likesh International Research Journal on Advanced Engineering Hub (IRJAEH),Vol. 03, Issue: 03March 2025, Pg.no: 886-894, March 2025, ISSN: 2584-2137. https://doi.org/10.47392/IRJAEH.2025.0127

   https://irjaeh.com/index.php/journal/article/view/618/561

Conference Proceedings:

- Disease Based Eligibility Assessment for Health Insurance", Dudla Anil kumar; Are Santhosh; Mule Siva Prasad Reddy, Cognitive Computing and Cyber Physical Systems, (IC4S 2024) pp 250–265, Date: 2025-02-09, E-ISSN: 1867-8211.10.1007/978-3-031-77081-4_20
- "An Efficient Approach for Food Demand Forecasting Using an Ensemble Technique and Statistical Analysis", Dudla Anil kumar; Bathula Thirupathi Rao; Bathini Rangaswamy; Kagitha Meghana, Cognitive Computing and Cyber Physical Systems, (IC4S 2024), pp 61–77, 2025-02-09, E-ISSN: 1867-8211.10.1007/978-3-031-77075-3_6
- "An Efficient License Plate Recognition Model Through Deep Learning Integration with YOLO and OCR Techniques" N. Supriya, D. Chiranjevi, M. I. Khader Shariff, B. Sowjanya, D.Venkata Subbaiah, A. Lakshmanarao, 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE), Shivamogga, India, 12-07-2024, pp. 1-5, ISBN:979-8-3503-7156-7, 979-8-3503-7157-4. 10.1109/AMATHE61652.2024.10582121

Books/Chapters:

S. No.	Authors	Title of the Book	Publisher	Published Date	ISBN
1.	Puppala Naga Sravanthi, **M Kiran Kumar**	Verifying Food Influencers on Blockchain for Transparency in Endorsements and Combating Fake Reviews	IGI Global Scientific Publisher	Jan-2025	ISBN13: 9798369385425

Patents:

S.No.	Patent Title	Applicants/ Inventors	Patent No.	Published date
1.	AI based Smart brain monitoring Device for Detecting Brain Activity	Dr.C.S.Boopathi , Dr.Ramesh Babu Pittala, **Mr.Rajasekhar P**, Dr. Prasanth Kamma, Mr.Vijay Kumar Gottipati	434430-001	03/01/2025

Student's Achievements

S. No	Title of the Symposia/ Conferences/Workshops attended	Organized by	Dates (from-to) (DD-MM-YYYY)	Roll Number	Name of the Student	Participation / Award
1	National level HACKATHON on Web Development	Sir C R Reddy College of Engineering, Eluru	01-02-2025	23761A05E9	IRFAN JAN KHAN	1ST PRIZE
2	National level HACKATHON on Web Development	Sir C R Reddy College of Engineering, Eluru	01-02-2025	23761A05H7	P VENKATA HEMANTH KUMAR	1ST PRIZE
3	National level HACKATHON on Web Development	Sir C R Reddy College of Engineering, Eluru	01-02-2025	23761A05J2	T AVINASH	1ST PRIZE
4	National level Techno Cultural Fest – Code Wizards	SAHE University, Vijayawada	21st & 22-02-2025	23761A05D4	A SATYA SAI DEEPIKA	1ST PRIZE
5	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	22761A05I1	P GUNASEKAR	1ST PRIZE
6	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	22761A0526	K SANJAY	1ST PRIZE
7	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	22761A0553	T SHIVA VENKATA KUMAR	1ST PRIZE
8	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	22761A0537	M.PRAVEEN	1ST PRIZE
9	CODE QUEENS OPEN INNOVATION, 24hr NATIONAL LEVEL DESIGN-A-THON	VNR – VJIT Hyderabad in Association with TCS	1ST & 02-03-2025	22761A05C0	SRIRAM YAGNA PRIYA	FINALIST

10	CODE QUEENS OPEN INNOVATION, 24hr NATIONAL LEVEL DESIGN-A-THON	VNR – VJIT Hyderabad in Association with TCS	1ST & 02-03-2025	22761A05A9	P SARANYA DURGA	FINA LIST
11	CODE QUEENS OPEN INNOVATION, 24hr NATIONAL LEVEL DESIGN-A-THON	VNR – VJIT Hyderabad in Association with TCS	1ST & 02-03-2025	22761A05A6	N LAKSHMI SUNITHA	FINA LIST
12	VIKSIT BHARAT YOUNG LEADERS DIALOGUE NATIONAL YOUTH FESTIVAL-2025	MINISTRY OF YOUTH AFFAIRS AND SPORTS GOVT OF INDIA	Jan 10-12 2025	22761A05C3	TUNGALA JHAHNAVI	CERT IFICA TE OF LEAD ERSH IP
13	Central Zone BALL Badminton (Men & Women) Inter Collegiate Tournament BALL BADMINTON	PACE, ONGOLE	JAN 1ST & 2ND 2025	23761A0511	SK JOHNY BASHA	RUN NER

`

Faculty Participation:

S. No	Name of the faculty	Name of the award	Awarding Authority
1	Mr. N. Srikanth	2024 Instructor Excellence Advanced Level award	CISCO Networking Academy

Student Partricipations:

S. No	Title of the Symposia/Conferences /Workshops attended	Organized by	Dates (from-to) (DD-MM-YYYY)	Roll Number	Name of the Student	Particip ation / Award
1	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	21761A0580	B. HEMANI	Participati on
2	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	21761A0584	D.LAKSH MI DURGA BHAVYA SRI	Participati on
3	Industry – Driven AI Autonomous HACKATHON 2025 – CODE GEEKS	SAHE University, Vijayawada	06th & 07-02-2025	21761A05C6	S. SAINADH REDDY	Participati on
4	AAGAMA 2025 – A National Level Technical Symposium	DVR & Dr.HS MIC college of Technology	MAR 19 2025	24765A0505	M ANJANI	Participati on
5	AAGAMA 2025 – A National Level Technical Symposium	DVR & Dr.HS MIC college of Technology	MAR 19 2025	23761A0534	M ANUSHA	Participati on
6	AAGAMA 2025 – A National Level Technical Symposium	DVR & Dr.HS MIC college of Technology	MAR 19 2025	24765A0506	SK. ANEES	Participati on
7	National Science Day Celebration SCIMIT 25	Manakula Vinayagar Institute of Technology Puducherry	28th Feb 2025	22761A0528	K BHAVAN I RASAD	Participati on
8	National Science Day Celebration SCIMIT 25	Manakula Vinayagar Institute of Technology Puducherry	28th Feb 2025	22761A0548	S KANCHA N VARMA	Participati on
9	National Science Day Celebration SCIMIT 25	Manakula Vinayagar Institute of Technology Puducherry	28th Feb 2025	22761A0517	G PAVANE SH	Participati on

10	CHALAPATHI MAHAOTSAV-2K25 IDEATHON	Chalapathi Institute of Engineering & Technology	19th March 2025	22761A0528	K BHAVANI RASAD	Participation
11	CHALAPATHI MAHAOTSAV-2K25 IDEATHON	Chalapathi Institute of Engineering & Technology	19th March 2025	22761A0548	S KANCHAN VARMA	Participation
12	CHALAPATHI MAHAOTSAV-2K25 IDEATHON	Chalapathi Institute of Engineering & Technology	19th March 2025	22761A0542	SAI NAGA BHARGAV	Participation
13	Leadership conclave 2025	SOUL (school of ultimate leadership)	21st & 22nd Feb 2025	22761A05C3	TUNGALA JHAHNAVI	Participation
14	Central Zone BALL Badminton (Men & Women) Inter Collegiate Tournament	PACE, ONGOLE	JAN 1ST & 2ND 2025	23761A0511	SK JOHNY BASHA	RUNNER

REFLECTIONS TEAM

EDITOR IN CHEIF

Dr. D. Veeraiah, HOD

EDITOR

Dr. B. Siva Rama Krishna
Assoc. Professor

EDITOR

Mr. S. Srinivasa Reddy
Sr. Asst. Professor

STUDENT EDITOR

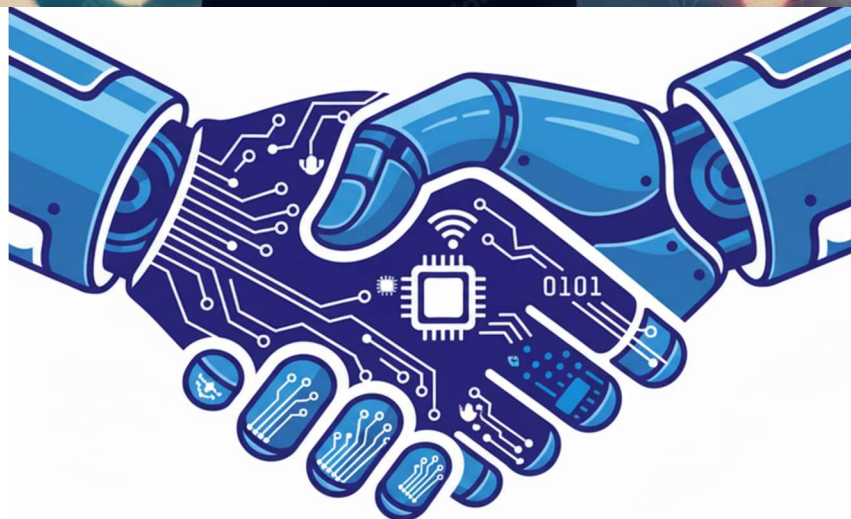Mr. Chitturi Yasvanth
III Year, 22761A05E2

DEPARTMENT
OF
COMPUTER SCIENCE & ENGINEERING

CSE REFLECTIONS
A. Y: 2024-2025 ISSUE-3 (JAN-MAR)

NEWSLETTER

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

Approved by AICTE, New Delhi and Permanently affiliated to JNTUK, Kakinada

L.B. Reddy Nagar, Mylavaram, N.T.R District, Andhra Pradesh-521230
Website: lbrce.ac.in