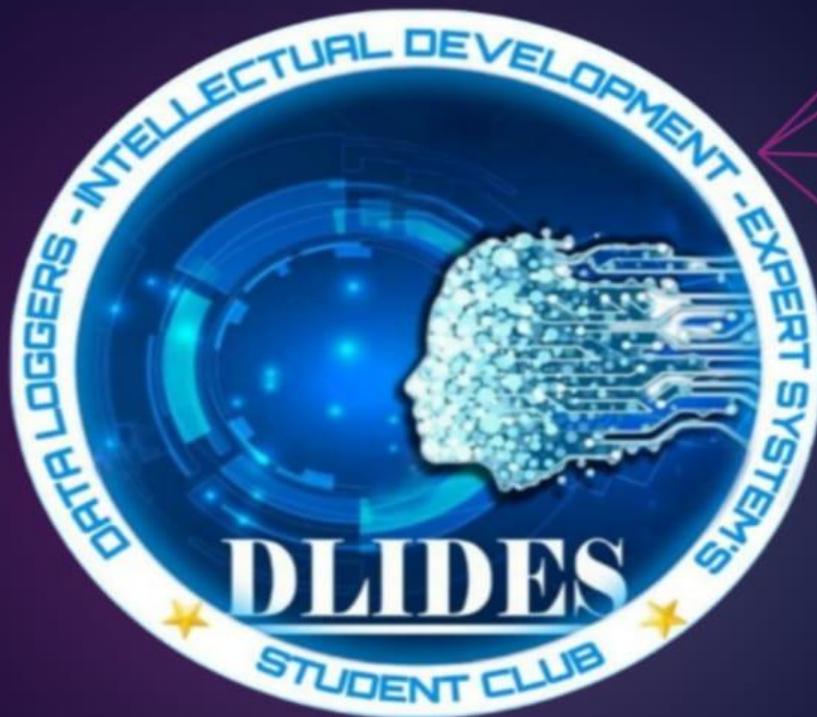


A  
NEWSLETTER  
ON  
INSIGHT INBOX DATA

#Vol - 1



DEPARTMENT OF  
CSE - Data Science  
and  
Artificial Intelligence & Machine Learning



**AVANTHI**  
INSTITUTE OF ENGINEERING & TECHNOLOGY  
(AUTONOMOUS)

Cherukupalli(v), Near Tagarapuvalasa Bridge, Bhogapuram(M), Vizianagaram (Dist



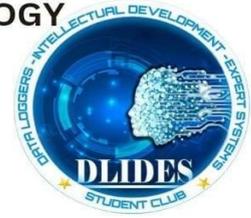
# AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

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NAAC 'A+' Accredited Institute

Department Of

CSE - Data Science, Artificial Intelligence & Machine Learning

Email-id: csmd.hod@aietta.ac.in,csmd.avev@gmail.com



## NEWSLETTER - INSIGHT INBOX DATA #VOL-1

### CONTENTS

- From the Desk of the Chairman
- From the Desk of the President
- From the Desk of the General Secretary
- From the Desk of the Vice President
- From the Desk of the Managing Director
- From the Desk of the Principal
- From the Desk of the Director - HR
- From the Desk of the HOD
- Vision and Mission of the Department
- Faculty Achievements
- Patents
- Faculty Development Program
- Workshops/Seminars/Guest lectures
- Student Achievements
- Student Internships
- Student Arts
- Student Articles
- Faculty Arts
- Extra Co-Curricular Activities
- NSS Activities
- Academic Toppers

### FACULTY EDITORS

**Mrs.P.Srilakshmi**

Assoc. Professor and Head of CSMD Dept.



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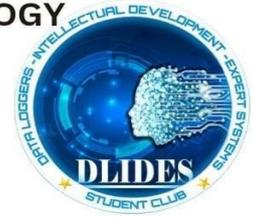
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### FROM THE CHAIRMAN DESK



Welcome to the Department of CSE - Data Science, Artificial Intelligence & Machine Learning, Avanthi Institute of Engineering & Technology.

It gives me pride and pleasure to introduce CSE - DS, AI&ML. The Department of Computer Science has designed innovative UG program in CSE - DS, AI&ML. Our aim is to provide a high quality engineering education to our students with adequate hand-on experience.

Faculty members in the department have expertise in the areas of Wireless Networks, Data Networks, Big Data, Data Analytics, Data Science, Machine Learning, Artificial Intelligence, Cloud Computing, Image Processing, Information Retrieval and are guiding carrying out active research.

Our department looks forward to contribute in solving technological challenges of the society with active participation from all sections of the society.

BEST WISHES !

**Sri. M. SRINIVASA RAO,**  
Ex Minister Govt. Of AP,  
Ex-Member of Legislative Assembly,  
Founder's & Chairman of  
Avanthi Group of Educational Institutions

### FROM THE PRESIDENT DESK



It gives me immense pleasure to note that the first Newsletter of “INSIGHT INBOX DATA ” CSE - Data Science, Artificial Intelligence & Machine Learning department is being released. Kudos to the editorial team. When we have a glance at the Newsletter, it is heartening to see that training the head and the heart of staff and students had quietly happened over the past six months. The staff and students will get more recognition when the awards/achievements they won are publicized through the Newsletter. It would definitely be an inspiration and motivation for other students and staff to scale newer heights.

**Smt. M Gnaneswari**

President

Avanthi Group of Educational Institutions



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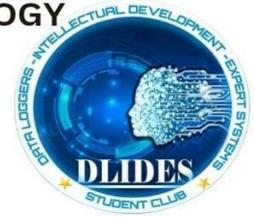
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### FROM THE GENERAL SECRETARY DESK



It is a matter of great pride and satisfaction for Avanthi Institute of Engineering & Technology to bring out the News Letter 'INSIGHT INBOX DATA' Released from the Department of CSE - Data Science, Artificial Intelligence & Machine Learning . The College has made tremendous progress in all areas academic, non-academics, capacity building relevant to staff and students. I am confident that this issue of Department News Letter will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities. A News Letter is like a mirror which reflects the clear picture of all sorts of activities undertaken by a Department and develops writing skills among students in particular and teaching faculty in general. I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in Record time. I express my heartfelt Congratulations to staff members and Students for their fruitful effort. With Best Wishes.

**Dr. M Priyanka**

General Secretary

Avanthi Group of Educational Institutions

### FROM THE VICE PRESIDENT DESK



Greetings and welcome to the maiden issue of the "INSIGHT INBOX DATA" CSE - Data Science, Artificial Intelligence & Machine Learning department Newsletter! A newsletter inspires and motivates students and staff alike, for it reminds them of the zeal that they had once to do something extraordinary. We were overwhelmed by the response that we received from the coordinators, heads of departments and faculty members of CSE - Data Science, Artificial Intelligence & Machine Learning department in making this newsletter possible. In this newsletter, we have reported significant achievements of the Departments, Staff and Students. I am glad to acknowledge the kind support that I received directly and indirectly, to bring out the newsletter on time.

**Sri. M V S S Nandish**

Vice President

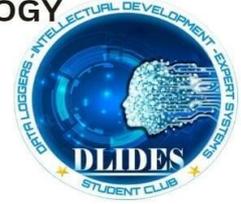
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### FROM THE MANAGING DIRECTOR DESK



It is my pleasure to congratulate the editorial board on this pleasant occasion of releasing the newsletter for the period January to June 2022. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary quality skill-sets to bring such laurels to the institution. I wish that this number may grow in the years to come. I am sure that publishing a newsletter of this sort containing the achievements of the family will be a recognition to them. I wish them all the very best for future endeavors

**Sri. I Sraavan Kumar**

Managing Director  
Avanthi Group of Educational Institutions

### FROM THE PRINCIPAL DESK



We are in an era that witnesses an alarming growth in the field of CSE - Data Science, Artificial Intelligence & Machine Learning. This unprecedented growth paved the way for the best learning as well as umpteen career opportunities.

Presentations, group discussions, seminars, workshops, conferences and various other programs helps to improve the overall personality of the students. The department has a very good infrastructure and seasoned faculty who are research oriented and are involved in contributing their research papers in various national and international journals.

Industry- Institute collaboration at regular intervals helps to bridge the gap between the academia and industry. An institution's name is based on its alumni. We are proud to say that our alumni are placed in reputed multinationals like Wipro, Accenture, HCL, Cognizant, IBM and many more. All through these years our placement track record is outstanding.

I am sure that the department of CSE – DS, AI&ML will work aggressively towards the path of excellence and uncover new frontiers in learning.

**Dr. B. Murali Krishna**

Principal  
Avanthi Institute of Engineering & Technology



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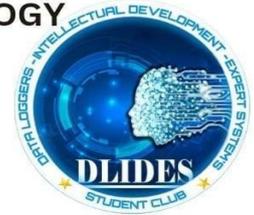
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### FROM THE DIRECTOR – HR DESK



The scope of CSE - Data Science, Artificial Intelligence & Machine Learning is endless and it is the favorite in every college. New age courses like Artificial Intelligence and Data Science are also well received by many students. After covid, the demand for Computer Science graduates is higher than ever. At Avanthi Institute of Engineering and Technology, the branch of CSE – DS, AI&ML continues to grow and thrive at an alarming rate both in student capacity and knowledge sharing quality.

Industry- Institute interactions, presentations, conferences, seminars, guest lecturers keep the students and faculty abreast with the latest trends in the competitive world. 100% placement facility is the hallmark of the department. The department is garnered by a team of hardworking faculty members who strive and thrive to implement the best and the latest teaching practices. All in All the department welcomes all trends in learning and prepares the students to face the corporate world with confidence.

#### **Dr. A.Chandra Sekhar**

Professor & Director – HR

Avanthi Institute of Engineering & Technology

### FROM THE HOD DESK



It is immense pleasure to present this semi-annual newsletter “INSIGHT INBOX DATA” CSE - Data Science, Artificial Intelligence & Machine Learning department is the dynamic and vibrant department with the blend of young and experienced Faculty.

Department is actively involved in academic as well as research work in current areas of Data Science, Machine Learning and multi-disciplinary streams.

The department has well equipped labs with the state of art software and hardware. The faculty members are constantly publishing technical papers in national and international journals and conferences. The department is fortunate to have dedicated teachers, devoted students, and committed supporting staff and expert technical staff. Specially, I encourage my students to participate in various extra-curricular activities, research work and competitive exams. My best wishes to all for their bright career and successful life.

#### **Mrs. P. Srilakshmi**

Assoc. Professor and Head of CSDM Dept



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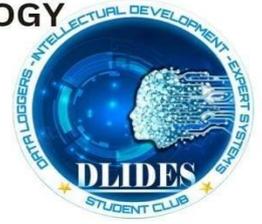
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### Department of CSE – Data Science

#### Vision:

To emerge as recognized centre through strong research and teaching environment to address technological needs of the stakeholders.

#### Mission:

The Mission of the Department of Computer Science and Engineering is to:

- M1: Provide quality education in both the theoretical and applications of computer science and apply education to solve real-world problems.
- M2: Conduct research to advance the state of the art in computer science and integrate research results and innovations into other scientific disciplines.
- M3: Graduates with ability to solve complex problems that address societal needs and develop appropriate computer Programs with latest tools and technologies.
- M4: Graduates with ability to pursue advanced education, research, other creative and innovative efforts in computer science & engineering for successful career.

### Department of CSE – Artificial Intelligence AND Machine Learning

#### Vision:

To emerge as recognized center through strong research and teaching environment to address technological needs of the stakeholders.

#### Mission:

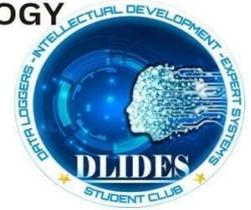
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- M4: Graduates with ability to pursue advanced education, research, other creative and innovative efforts in computer science & engineering for successful career.



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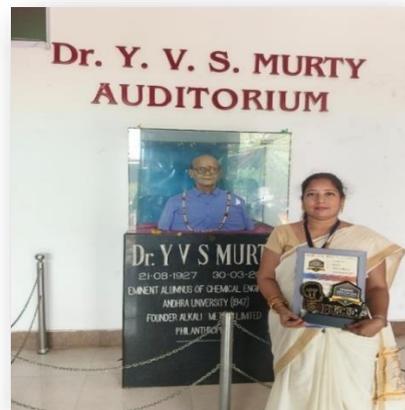


## Faculty Achievements

➤ **Mrs. P. Srilakshmi (Phd)**, Received Best faculty award in Artificial Intelligence medical Engineering Researchers Society “BEST FACULTY AWARD” is being conferred by Artificial Intelligence medical Engineering Researchers Society. Innovative Teaching Excellence Award honoring Innovation and Dedication The Award for Outstanding Faculty and Researchers.



➤ **Mrs. P. Srilakshmi (Ph.d)**, Received Bharath Education Excellence Award is being conferred by **Brain O Vision**





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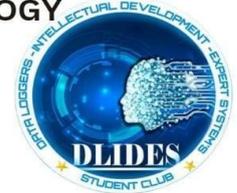
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### Patents :

- **Mrs. Srilakshmi Puli:** Published a Patent with a Title “**Sensor hub for network Security**” Application Id: 6297635, the Patent Office Journal No. 26/2023, Dated: 20/07/2023.
- **Mrs. Srilakshmi Puli:** Published a Patent with the Title "An AI-based customer Service Chatbot with emotional intelligence and method thereof" Application Id: 202341024289, the Patent Office Journal No. 14/2023 Dated 07/04/2023.
- **Mrs. Sangita Mishra:** Published a Patent with a Title “**Detecting of heart Failure by using advanced Machine learning and Artificial Intelligence techniques**” Application Id: 202421021126A, the Patent Office Journal No. 20/2023, Dated: 19/04/2024.

### Faculty Development Programs:

- **Mrs. Sangita Mishra :** Attended an 5days Faculty Development Program On “**Recent trends Web application Development for Industry 4.0** ” at GMRIT from 18th October 2022 to 22nd October 2022-Online.
- **Mr. P Sudharsana Rao :** has participated in Five Day Online Faculty Development program (FDP) On **INTEGRATION OF IoT and BLOCKCHAIN TO IMPLEMENT SMART EDUCATION AND HEALTHCARE** jointly organized by the Department of CSE of **GMR Institute of Technology-Rajam** and Department of Computer Science & Systems Engineering of Andhra University College of Engineering-Visakhapatnam from 26th February - 01st March 2024.
- **Mrs. Sangita Mishra :** Attended an One week Faculty Enablement Program On ‘**DevOps - CICD**’ at JNTU-Kakinada from 12th September 2022 to 16th September 2022.
- A One week Virtual National Level FDP on “**CLOUD INFRASTRUCTURE**”, in association with All India Council for Technical Education (AICTE), **MINISTRY OF EDUCATION** **AWS** and **BRAIN O VISION**, scheduled from 21st to 25th August 2023.
- A 3 Days Faculty Development Program on “**Innovations In Machine Learning Pedagogy**”, Organized by Department of CSE, CSE-DS, AI&ML of **Avanthi Institute of Engineering & Technology** during 27th to 29th December 2023.



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### Workshops/Seminars/Guest Lectures:

- **BRAIN O VISION** Organized a Six Days Workshop & 24 Hour Hackathon was conducted for II & III - CSD & CSM on **“DATA SCIENCE USING PYTHON ”** in Association With CSE(AI-ML & DS) Departments.



- **APSSDC** Organized a Six Day Workshop For III-CSD & CSM on **“AWS CLOUD COMPUTING”**





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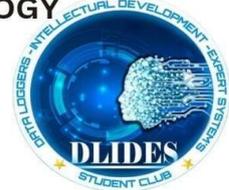
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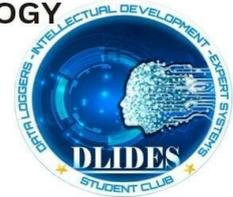


- **BRAIN O VISION** Organized a 4 Days Workshop & 24 Hour Hackathon was conducted for II CSD & CSM on “**POWER BI**” in Association with CSE(AI-ML & DS) Departments.



- **Guest Lecturer** was conducted for **Operating Systems** Course – III-I CSM on **13-09-2024** by Mrs. G Suryakala Eswari Asst. Professor in CSE (AI & ML), ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY and SCIENCES.





## Student Achievements:

- **Ms.M.Rupamani**, Student of IV CSE-AI & ML,21Q71A4231, has achieved the First Prize at Infosys Pega Hackathon held at the Vizag Development Centre.



- **Ms. T. Namratha**, Student of IV CSE – Data Science, 21Q71A4452, has achieved the Second Runner Up at Infosys Pega Hackathon held at the Vizag Development Centre.



- **Mr. U. Ratna Hari**, Student of 4<sup>th</sup> CSE- AI & ML, has won the best outgoing student in PEGA. with a cash prize of Rs. 25,000/- and 1<sup>st</sup> prize in Hackathon conducted by Talent Sprint.





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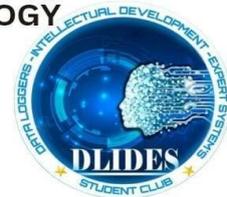
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## Student Internships:

- **53 – IV CSE (AI & ML)** Students had completed short -term internship on " Artificial Intelligence" Course which was organized by the **AIMER** Society in collaboration with "**APSCHE**".
- **53-IV CSE (Data Science)** Students had completed short -term internship on " Artificial Intelligence" Course which was organized by the **AIMER** Society in collaboration with "**APSCHE**".
- **37- IV CSE (AI & ML)** Students had completed short -term internship on " Artificial Intelligence" Course which was organized by the **APSSDC** in collaboration with "**IBM SKILLSBUILD**".
- **35- IV CSE (Data Science)** Students had completed short -term internship on " Artificial Intelligence" Course which was organized by the **APSSDC** in collaboration with "**IBM SKILLSBUILD**".
- **110 – III CSE (AI & ML)** Students had completed short -term internship on " Artificial Intelligence" Course which was organized by the **AIMER** Society in collaboration with "**APSCHE**".
- **32–III CSE (Data Science)** Students had completed short -term internship on " Artificial Intelligence" Course which was organized by the **AIMER** Society in collaboration with "**APSCHE**".
- **70 – III CSE (AI & ML)** Students had Completed Internship on “**CYBERSECURITY VIRTUAL INTERNSHIP**” which was organized by AICTE supported by **PALOALTO NETWORKS**.
- **50 - III CSE (Data Science)** Students had Completed Internship on “**ZERO TRUST CLOUD SERCURITY VIRTUAL INTERNSHIP**” which was organized by AICTE supported by **ZSCALER**.
- **10-III CSE (Data Science)** Students had completed Internship on “**Android Developer Virtual Internship**” which was organized by AICTE supported by India Edu Program.



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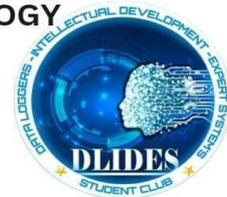
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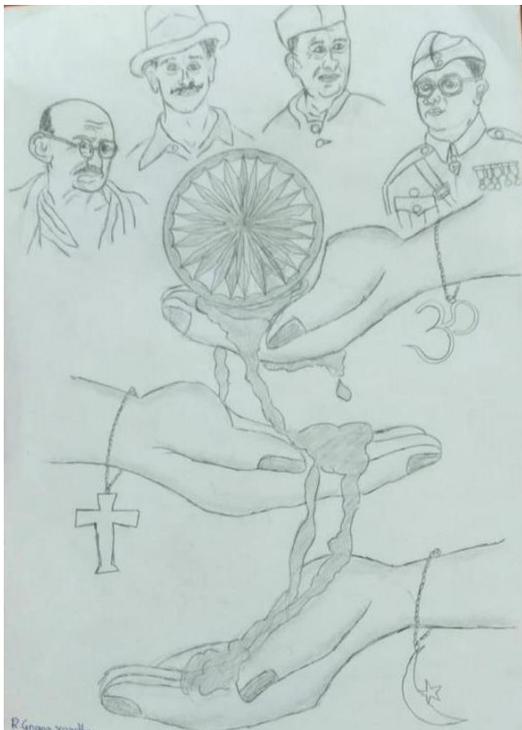
**Student Arts:**



Art by **K Jahnvi (III CSD 22Q71A4423)**



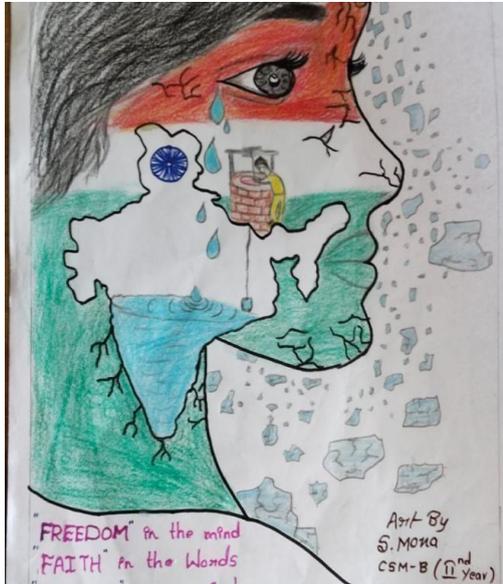
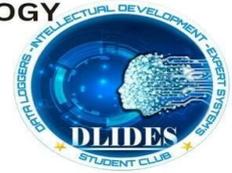
Art by **P Shanmukhi (II CSD 23Q71A4437)**



Art by **R Gnana Vardhan (II CSM 23Q71A4217)**



Art by **B Meher Narendhar (II CSD 23Q71A4408)**



Arts by **SMona (II CSM 23Q71A4222)**



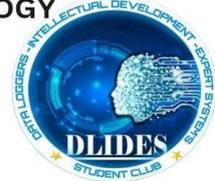
Arts by **U Pavitra (II CSM 23Q71A42A6)**



Art by **K Suneetha (II CSM 23Q71A4257)**



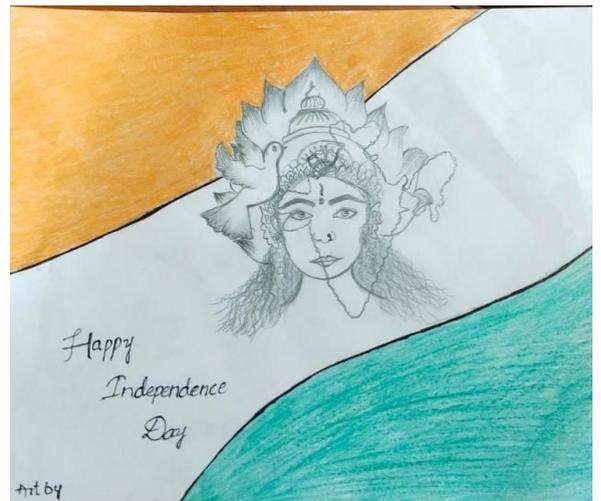
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Art by **B Pavitra (III CSM 22Q71A4212)**



Art by **B Yamini (III CSM 22Q71A4210)**



Art by **G Jahnvi (III CSD 22Q71A4417)**



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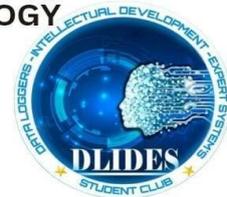
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## Student Article:

### *The Power of Yet*

*Imagine a young Bird Learning to fly .*

*It flaps it's swings , leaps from the nest , and falls.*

*It tries again , and again, and again.*

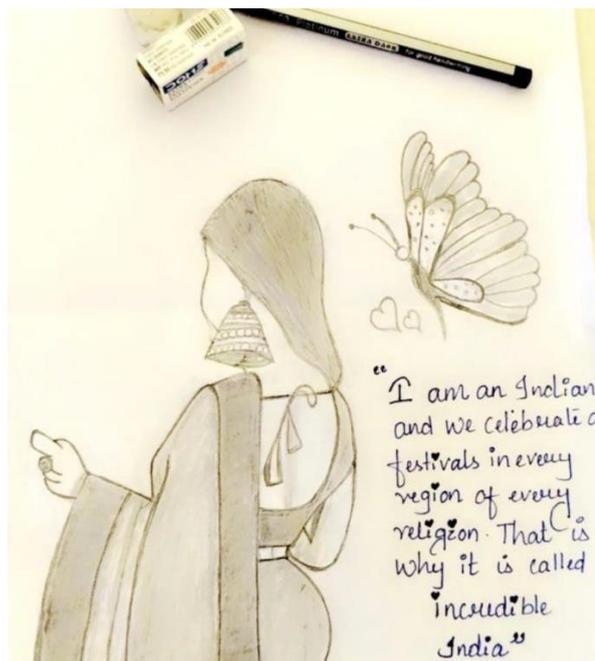
*Each time ,it falls .*

*It's a frustrating experience ,but the bird doesn't give up .*

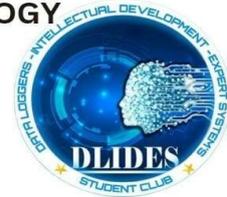
*It keeps trying, learning from its mistake ,until one day ,it soars through the sky .*

2024-09-29

## Faculty Arts:



Art by **Mrs. Sangita Mishra**, Asst. Professor



**Extra Co-Curricular Activities:**

- Event on the occasion of **78th Independence Day** 15-08-2024 through **DLIDES CLUB**.

S.No	Event	Total Participants List	Winner
1	Quiz	64	III CSD
2	Arts	17	K. Jahnavi-III CSD (22Q71A4423)
Total		81	

- Event on the occasion of **Engineers Day** -15-09-2024 through **DLIDES CLUB**.

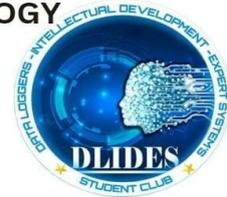
Event	Total Participants List	Winner
Online Quiz	110(STUDENTS)	1.M Rishi (II CSM-23Q71A4255) 2.N Vikash Kumar(IV CSM-21Q71A4233) 3.M Harsha Vardhan(IV CSD-21Q71A4428)



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### NSS Activities:



Students Participation in NSS Activities.

### Academic Toppers:

S. No.	Roll No.	NAME	Year	CGPA	Department
1	21Q71A4207	Bendalam Reshma	III	8.42	CSM
2	22Q71A4406	Chandaka Tejeswari	III	8.38	CSD
3	22Q71A4241	Sajja Prem Sai	III	8.30	CSM
4	22Q71A4451	Tirumareddi Reshma	III	8.27	CSD
5	22Q71A4410	Donthala Anitha	II	8.87	CSD
6	22Q71A4297	Sivvapu Sri Varshini	II	8.74	CSM
7	22Q71A4201	A Gowthami	II	8.47	CSM
8	22Q71A4413	Gedala Jahnavi	II	8.47	CSD

DEPARTMENT OF CSE -  
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