



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of
CSE - Data Science, Artificial Intelligence & Machine Learning
Email-id: csmd.avev@gmail.com



NEWSLETTER - TELL STORIES WITH DATA VOL #1

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ADVISORS:

Mr. S Chanti
Asst. Prof, CSDM Dept.
Mrs. Sangita Mishra
Asst. Prof, CSDM Dept.
Ms. B Renuka Sai
Asst. Prof, CSDM Dept.
Mrs. Bhavani
Teaching Asst., CSDM Dept.

STUDENT COORDINATORS:

Lodagala Teja (II CSD - 20Q71A4417)
Tanuja Oleti (II CSD - 20Q71A4437)
Gunda Ravindra (II CSM - 20Q71A4214)
Munakala Radha (II CSM - 20Q71A4255)

EDITORS:

Mrs .P.Srilakshmi
Assoc. Professor and Head of CSDM Dept.
Mr. Gangu Dharma Raju
Asst. Prof, CSDM Dept.



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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,
Member of Legislative Assembly, Bheemili.
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 “Tell Stories With 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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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 'Tell Stories with 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 "Tell Stories With 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
Avanthi Group of Educational Institutions



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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 Sravan 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. S.N.V. Ganesh

Principal
Avanthi Institute of Engineering & Technology



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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 hard working 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 “Tell Stories With 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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Department of CSE – Data Science

Vision:

To emerge as a center of technical expertise in the field of CSE (Data Science) by producing globally competent professionals with technical & research capabilities, ethical values and team spirit.

Mission:

DM1: To produce competent software professionals.

DM2: To induce application oriented and research capabilities in students for the betterment of society

DM3: To inculcate ethics and human values in students to adapt to the dynamism in the field of Computing Technology.

Department of CSE – Artificial Intelligence AND Machine Learning

Vision:

To be in the frontiers of CSE (AI & ML) with academic excellence and research so as to produce technically competent and socially responsible engineers.

Mission:

DM1: To impart knowledge through the state-of-the-art concepts and technologies in AI and ML by adapting rigorous Teaching Learning process.

DM2: To instill in students a zest for research to resolve complex engineering problems to meet industry demands.

DM3: To encourage students' all-round professional growth, by inculcating moral values and leadership abilities, so as to deal with societal issues.

STAFF LIST:

S. No.	Name of the Faculty	Designation	Qualification
1	Mrs. P Srilakshmi	Assoc. Professor & HOD	M.Tech, (Ph.D)
2	Mr. S Chanti	Asst. Professor	M.Tech
3	Mr. G Dharma Raju	Asst. Professor	M.Tech
4	Mrs. Sangita Mishra	Asst. Professor	M.Tech
5	Mrs. B Renuka Sai	Asst. Professor	M.Tech
6	Mrs R Bhavani	Teaching Assistant	M.Tech



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Faculty Development Program:

A Five Day FDP on Python and Advanced Teaching Techniques was conducted from 30th May to 03rd June 2022 in association with Andhra Pradesh Information Technology Academy & Commonwealth Educational Media Centre for ASIA(CEMCA).

Participation List:

S. No.	Name of the Faculty	Designation
1	Mrs. P Srilakshmi	Assoc. Professor & HOD
2	Mr. S Chanti	Asst. Professor
3	Mr. G Dharma Raju	Asst. Professor
4	Mrs. Sangita Mishra	Asst. Professor
5	Mrs. B Renuka Sai	Asst. Professor
6	Mrs R Bhavani	Teaching Assistant



A Five Day FDP on Python



A Five Day FDP on Advanced Teaching Techniques



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Faculty Achievements:

P Srilakshmi – HOD :-

- Article “An Efficient Swift Routing Model with Node Trust Identity Factor (SRM-NTIF) to Perform Secure Data Transmission Among IoT Gadgets” has been indexed in Scopus Database, IIETA(International Information and Engineering Technology Association), Revue d'Intelligence Artificielle, Vol. 36, No. 1, February, 2022.
- Received Best faculty award at V R Siddhartha Engineering College, Vijayawada (“BEST FACULTY AWARD” is being conferred by Indian Servers in association with Lions Club International, Telangana IT Association and Information Technology Companies Association of Andhra Pradesh.)
- Recognized as the Best Woman Faculty of the Year Award (Engineering) at 3rd International Inspirational Women Awards (IIWA) 2022 - An initiative by GISR Foundation to honour and acknowledge extraordinary female talent from all walks of life.



G Dharma Raju –

- Article “A CLOUD COMPUTING RESOLUTION IN MEDICAL CARE INSTITUTIONS FOR PATIENT’S DATA COLLECTION” has been indexed in Scope Database, based on the recommendation of the Content Selection Committee (CSC) after reviewing the content submitted by the publisher **International Journal of Computer Engineering and Technology(IJCET)**, Volume 7, Issue 6 on May 09th 2022.

B Renuka Sai –

- Has published a article title on “An Efficient Approach to Publish the Data of Multiple Sensitive Attributes Using Modified (l,m,d) Algorithm” in IJITEE on April 20,2022.

Sangita Mishra –

- Has published a article title on “Cellular Automata and their Applications: A Review” in IJCA on March 23, 2022.



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Workshops/Seminars/Guest Lectures:

- Guest Lecture was conducted for **FLAT** Course – II/II CSD & CSM by **Dr.SivaRanjani**, Professor & HOD – CSE, ANITS.



- Guest Lecture was conducted for **MEFA** Course – II/II CSD & CSM by **Dr.K Visweswara Rao**, Assoc. Professor, GVP Womens.





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Student Achievements:

- Miss. SEERA JAYANTHI Roll No. 20Q71A4219 - got Elite+Silver Award for Successfully Completed the 12 week (Jan-Apr 2022) Course "Programming In Java" in NPTEL Online Certification, Funded by the MOE, Govt. of India.



- Mr. Ravindra Gunda Roll No. 20Q71A4214 - has Successfully Completed 30 Days course on "Machine Learning" at Pantech e-Learning Pvt. Ltd., Chennai conducted by APSSDC on 30th May, 2022 to 28th June, 2022.
- Mr. Abhishek Bachu Roll No. 20Q71A4203 - has attended workshop on "Machine Learning" conducted by JNTU-Vizianagaram on 30th March, 2022 to 31st March, 2022.
- Mr. Abhishek Bachu Roll No. 20Q71A4203 - Participated in "Smart India Hackathon" on "Cloud Computing for Human Welfare" on 11th March, 2022 to 12th March, 2022.
- Mr. Y V S Sundeep Roll No. 20Q71A4242 - Selected for South Zone Inter University Kick Boxing (MEN) Tournament at Dr. Rammanohar Lohia Avadh University.



- Mr. DINESH MADDI Roll No. 20Q71A4253 - Participated in "Smart India Hackathon" on "BLOCK CHAIN TECHNOLOGY" on 11th March, 2022 to 12th March, 2022.



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- **Mr. CHITRA KRISHNA SASTHA** Roll No. **20Q71A4207** - Participated in "Smart India Hackathon" on "BLOCK CHAIN TECHNOLOGY" on 11th March, 2022 to 12th March, 2022.
- **Ms. LIKITHA YELLAI** Roll No. **20Q71A4253** - Participated in "Smart India Hackathon" on "BLOCK CHAIN TECHNOLOGY" on 11th March, 2022 to 12th March, 2022.
- **Mr. NAMMI VAMSI** Roll No. **20Q75A4206**- has attended workshop on "Machine Learning" conducted by JNTU-Vizianagaram on 30th March, 2022 to 31st March, 2022.
- **Mr. EJJIPARAPU KURMA RAO** Roll No. **20Q75A4202** - has attended workshop on "Machine Learning" conducted by JNTU-Vizianagaram on 30th March, 2022 to 31st March, 2022.
- **MR.KASIPURI RAJ KUMAR** Roll No. **20Q75A4207** - has attended workshop on "Machine Learning" conducted by JNTU-Vizianagaram on 30th March, 2022 to 31st March, 2022.
- Our respected **Chairman Sir** Congratulating **Students** regarding department Newsletter, E-magazine and students club activities.



Student Internships:

- 62 - CSE(AI & ML) Students have received internship offer letters for "Machine Learning" Course from "Indian Servers".
- 13 - CSE(Data Science) Students have received internship offer letters for "Cyber Security" Course from "Indian Servers".
- 40 - CSE(Data Science) Students have received internship offer letters for "Machine Learning" Course from "Indian Servers".



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Department of

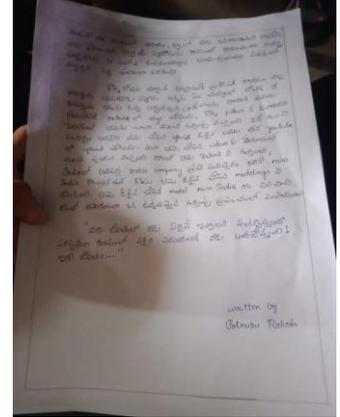
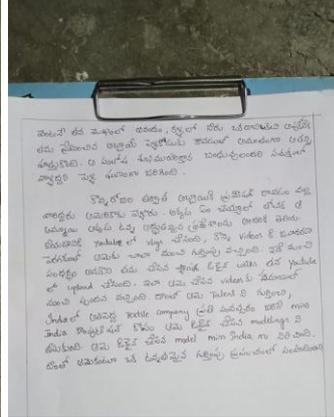
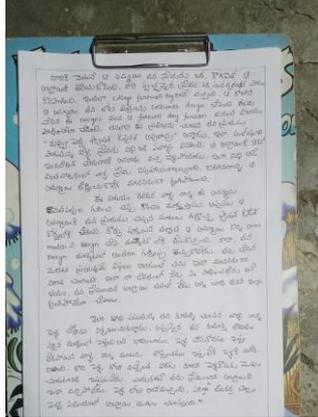
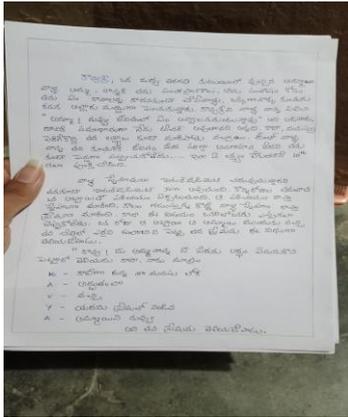
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Student Article:

Article by P Rakesh (II-II CSM 20Q71A4233) -



Extra Co-Curricular Activities:

Cultural:



Special Performance – Farmer & Mythological On the event of AVENSIS conducted by AIET, Tagarapuvalasa on 23rd and 24th May, 2022.



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Felicitation to Singer **Mrs. Malavika** on the Occasion of **AVENSIS 2K22**.



Felicitation to **Telugu Indian Idol Contestant Ms. Lalasa** on the Occasion of **AVENSIS 2K22**.

Sports:



Students Participation in **Outdoor Sports** on the Occasion of **AVENSIS 2K22**.



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Students Participation in **Indoor Games** on the Occasion of **AVENSIS 2K22**.

Yoga:



Student Participation in **Yoga** on the NSS event of **National Yoga Day**.

Flashmob:



Student Participation in **Flash Mob** at **YMC & CMR Central** in Vizag.



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NSS Activities:



పర్యావరణ పరిరక్షణ మనందరి బాధ్యత

తగవులను: పర్యావరణ పరిరక్షణ బాధ్యత మనందరిపై ఉండని చెబుతున్న ఆచార్యులు ఇంజనీరింగ్ కళాశాల ప్రెసిడెంట్ ఎస్.ఎన్.వి.గణేష్ అన్నారు. పర్యావరణ పరిరక్షణకు రెడీమ్యాన్డ్ సాఫ్ట్ వేర్ సామగ్రితో కళాశాల ఆవరణలో ఎన్ఎస్సీ, వివిధ విభాగాల అధ్యాపకులు, విద్యార్థులతో కలిసి శనివారం మొత్తం మొక్కలు నాటించారు. కార్యక్రమంలో డైరెక్టర్ ఆఫ్ కమ్యూనిటీ అండ్ సోషల్ సర్వీసుస్, ఎన్ఎస్సీ సీబీ చీఫ్ తదితరులు పాల్గొన్నారు.

మొక్కలు నాటడానికి ర్యాంకింగ్ వ్యవస్థలు తప్పనిసరిగా ఉండాలి. ఈ సందర్భంగా తల్లిదండ్రులతో నిర్వహించిన వర్క్ షాప్, ర్యాంకింగ్ పోలిసిస్ వ్యవస్థలతో ప్రమాదంపై అవగాహన కలిగించారు. ప్రధానోపాధ్యాయురాలు మొకర పద్మావతి, ఉపాధ్యాయుడు దుర్గా ప్రసాద్, మ్యాజిక్ టెన్ సెన్స్ ప్రతినిధులు డూడ రమేష్, కె.కారణ తదితరులు పాల్గొన్నారు.

• సంకేపం అంటేనే జీవీఎస్ ప్రాథమిక పాఠశాల ఆవరణ నుంచి మ్యాజిక్ టెన్ సెన్స్ ప్రతినిధులు శనివారం పర్యావరణ దినోత్సవం నిర్వహించారు.

Students Participation in NSS Activities.

Academic Toppers:

S. No.	Roll No.	Name	Year	Percentage	Department
1	20Q71A4255	M RADHA	2022	72.91	CSM
2	20Q71A4228	M D FARHEEN	2022	67.38	CSM
3	20Q71A4401	N ABHI RAM	2022	66.94	CSD
4	20Q71A4434	S G R P R LAKSHMI	2022	66.93	CSD