DEPARTMENT
Of
ARTIFICIAL INTELLIGENCE
&
DATA SCIENCE

News
LETTER

Odd Semester
2025–2026

Warm Greetings!

Our Institution, a temple of learning and a hallmark of discipline, treads towards the zenith of glory by preferring the education of global standards in the best quality and variety, and substantiates to be a benchmark among all the colleges in India. The College Management, the members of the faculty and all other employees travail together with the resolution of grading our College at the topmost rung of the ladder of education. Within a short span of time, we have provided the students with all the requirements as necessitated by the University Norms. We give an impetus for ever to our V.S.B. Engineering College.

ABOUT THE DEPARTMENT

The faculty of AI-DS is the soul of many engineering branches. This field is instrumental in bringing the world to where it is today. AI-DS course was started in our institution in the year 2021. Our department has well-qualified and experienced faculty members who are specialists in the areas of Database, Data Mining, Computer Architecture, Operating Systems, Image Processing, Wireless Network, Artificial Neural Networks', Information Security and Programming Languages. They actively involve themselves in research activities in the field of their specialization. They have published a number of papers in Journals and Conferences of National and International repute. The department attributes its success to the creative and innovative outlook of its students also. It encourages students to participate in numerous symposiums and to present papers in them.

VISION

To attain exceptional standards of quality education, the approach involves leveraging cutting-edge tools, fostering a culture of collaboration, and disseminating innovations tailored to the needs of students and industry. This initiative is designed to contribute significantly to societal advancement by aligning educational practices with the evolving landscape of academia and industry

MISSION

The goal is to cultivate adept professionals specializing in the fields of Artificial Intelligence and Data Science.

The objective is to provide education of high quality with a focus on values, contributing to the advancement of computing, expert systems, and Data Science. The aim is to elevate satisfaction levels among all stakeholders through innovation in these domains.

Our commitment is directed towards applying the latest advancements in both high-performance computing hardware and software.

Our focus is on the development of software tailored for peripheral computing devices, including printers, modems, and scanners.

PO's

Engineering knowledge: *Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems*

Problem analysis: *Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences*

Design/development of solutions: *Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations*

Conduct investigations of complex problems: *Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions*

Modern tool usage: *Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations*

PO's

Environment and sustainability: *Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development*

Ethics: *Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice*

Individual and team work: *Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings*

Communication: *Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.*

Project management and finance: *Demonstrate knowledge and understanding of the engine eering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments*

Life-long learning: *Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change*

PSO's

Evolve AI based efficient domain specific processes for effective decision making in several domains such as business and governance domains.

Arrive at actionable Foresight, Insight, hindsight from data for solving business and engineering problems create, select and apply the theoretical knowledge of AI and Data Analytics along with practical industrial tools and techniques to manage and solve wicked societal problems.

Develop data analytics and data visualization skills, skills pertaining to knowledge acquisition, knowledge representation and knowledge engineering, and hence be capable of coordinating complex projects.

PEO's

- *Utilize expertise in the domains of Health Care, Education, Agriculture, Intelligent Transport, Environment, and Smart Systems, as well as in the interdisciplinary realms of Artificial Intelligence and Data Science.*

- *Apply acquired engineering skills from industry internships to address real-world challenges across diverse domains, employing software applications for effective problem-solving.*

- *Cultivate essential skills to embark on entrepreneurial journeys, pursue roles as data scientists, and establish businesses within the realms of artificial intelligence and data science.*

Mrs Kavitha V M.E CSE.,

I am delighted to connect with you through this departmental newsletter. This platform reflects the collective achievements, initiatives, and dedication of our students and faculty. I urge students to make the most of every learning opportunity, stay curious, and actively participate in academic and co-curricular activities. With discipline, innovation, and commitment, we can continue to achieve excellence as a department. I extend my best wishes to all for a productive and successful academic journey.

HOD's Message

Mrs Maalini D M.E CSE.,

It is my pleasure to share this message with our students and faculty through this newsletter. Our department continues to grow through consistent effort, innovation, and collaboration. I encourage students to focus not only on academic excellence but also on developing practical skills, ethical values, and a mindset of lifelong learning. Let us continue to work together to embrace new technologies, strengthen teamwork, and uphold the standards of our department. I wish everyone continued success and growth in all academic and professional pursuits.

"Teaching is the one profession that creates all other professions."

Faculty Member of AI&DS

Mrs.V.Kavitha, HOD/AIDS

Mrs.D.Maalini, HOD/AIDS

DR.M.Anandhan, A.HOD/AIDS

"What the teacher is matters more than what the teacher teaches."

Mrs.Nandhini Devi,
A.HoD/AIDS

Ms.Suganya R,
AP/AIDS

Mr.R.Muthuchelvan,
AP/AIDS

"Great teachers don't just teach lessons; they teach lives."

Ms.Vishnupriya,
AP/AIDS

Mr.A.Bharathidasan,
AP/AIDS

Mrs.Bharathi,
AP/AIDS

"Education is not the filling of a pail, but the lighting of a fire."

Dr.Rajendran,
ASP/AIDS

Ms.Muthulakshmi,
AP/AIDS

Mr.R.Palraj,
AP/AIDS
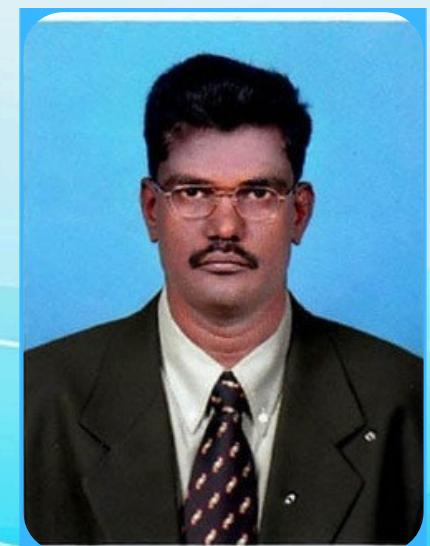
"The art of teaching is the art of assisting discovery."

Dr.Murugesan, ASP/AIDS

Dr.Manoranjitham R, AP/AIDS

Mr.Kosalairaman T, AP/AIDS

"Good teachers know how to bring out the best in students."

ACADEMIC AMBIENCE

WHERE ASPIRATIONS BEGIN AT VSB ✨

BUILDING SKILLS THROUGH HANDS-ON LABS 🛠️🖥️

DISCIPLINED LEARNING IN ACTION AT VSB 🏫✨

PLACEMENT TRAINING SHAPING INDUSTRY READY PROFESSIONALS 🎓💼

CAMPUS WHERE LEARNING GROWS WITH NATURE 🌿

EMPOWERING LEARNING WITH SMART BOARDS 🖥️🧠

📚 PLACE WHERE LEARNING FEELS COMFORTABLE

INSPIRING MINDS THROUGH INTERACTIVE SEMINAR SESSIONS 🎓🚀

"A book can change the way we think"
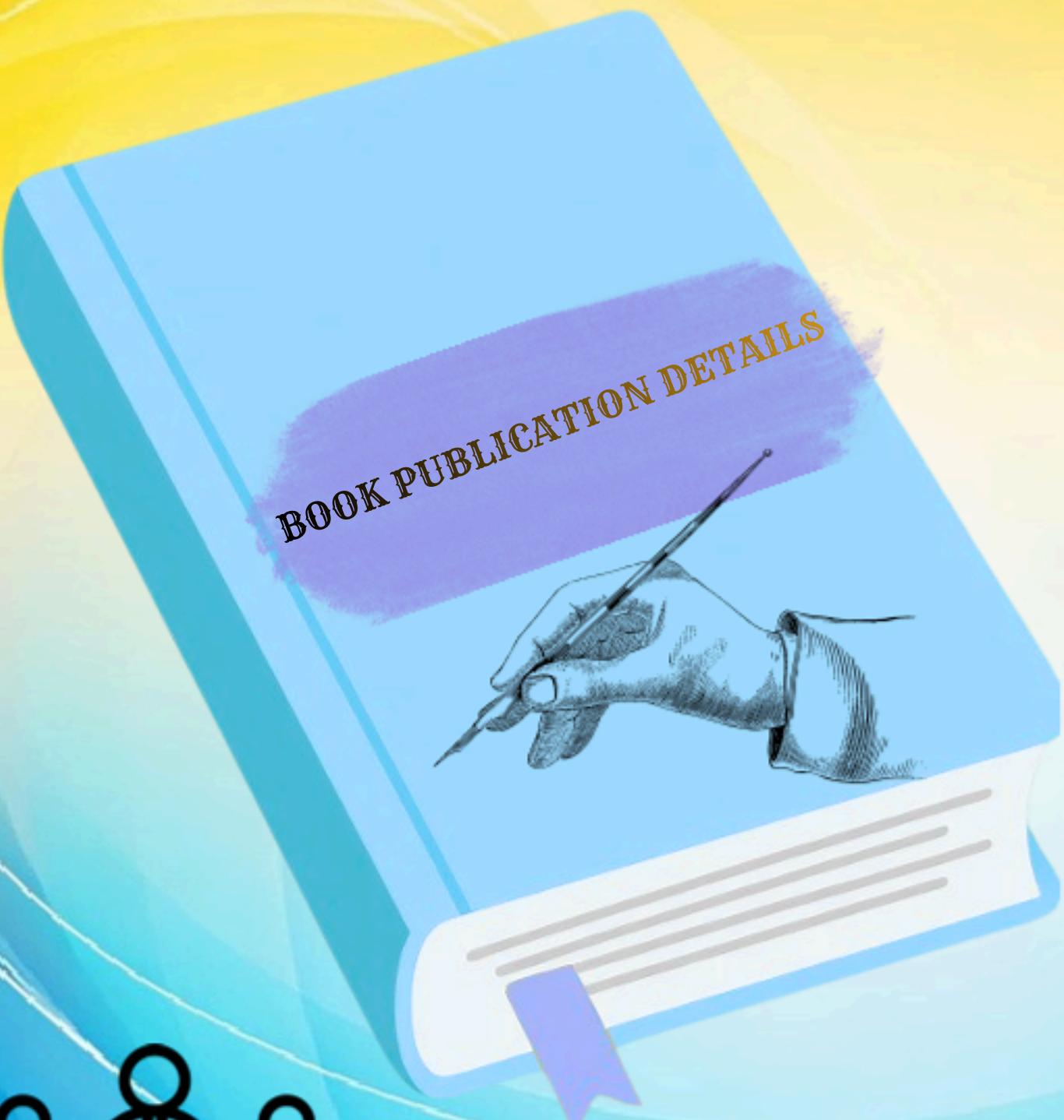
BOOK PUBLICATION DETAILS
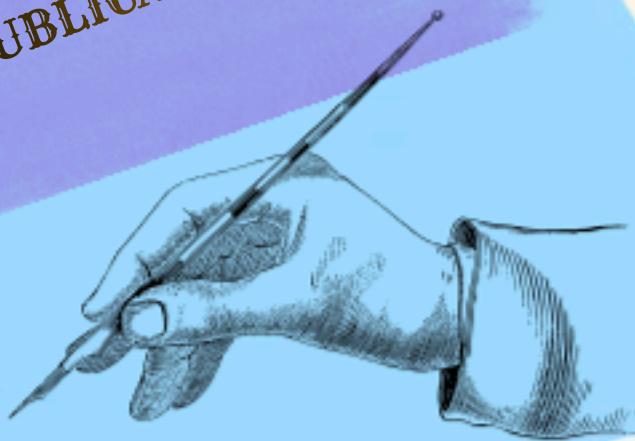
BOOK NOW

Mrs.V.Kavitha, HoD

Paper publication title

- **Black hole attacks recognition in wireless mobile manet ad hoc networks (MANET),**

- **Efficient Algorithms for Large-Scale Data Mining in Cloud Environments**

Name of the Journal

- **Int. J. Mobile Network Design and Innovation**
- **Journal of Technology**

Mrs.D.Maalini, HoD

TITLE OF THE BOOK

- **"Machine Learning with Python"**

PATENT TYPE

- **MACHINE LEARNING ENABLED DEVICE FOR BRAIN TUMOR DETECTION**

Mrs Nandhinidevi S

PATENT PUBLICATION:

- **IoT Enabled Smart Farming for Real Time weather forecasting and crop health monitoring using hybrid GRU-CNN models**

- **Revolutionize urban mobility with a smart and efficient parking system seamlessly integrated with IoT technology**

- **ML driven framework for analyzing student fitness and well being through sports training in higher education**

Dr.Anandhan

TITLE OF BOOK

- "SECRETS AND CIPHERS: THE ART OF CRYPTOGRAPHY"

Paper Publication title

- Smart phone –Based passive Sensing System for Mental Health Tracking: Fusion of GPS, Typing Behaviour, and App usage Data Book Title: Digital

- Mental Health and AI in Campus Wellness Programs

- Adaptive Intelligence Learning Framework(AILF):A Functional Optimization Model FAI:(E*A) (T,L) for dynamic educational Systems

PATENT TYPE

Machine learning based medical testing device for brain abnormality detection.

Dr.Murugesan

Patent Type

- ML,IOT and big data driven system for predicting and enhancing entrepreneurial potential among higher education students

Paper Publication title

- Edge AI for real time object deduction in smart survalliance system

- Deep learning based Mutivariate Models for Bankruptcy and Litigation Risk Prediction

NAME OF THE JOURNAL

- RADemics Research Institute
- Advances in Consumer Research
- Advanced in Science and Technology of Water Resources

Dr.M.Rajendiran

Paper Publication title

- Machine learning models and experimental evaluation on mass and temperature of dried coriander seeds in solar hybrid collector with dryer(SHCD)

- License Plate Recognition Model based on Improved YOLOv5 and Convolutional LSTM

PATENT TYPE:

- A system and method for tokenized supply chain management using IOT and blockchain technologies

NAME OF THE JOURNAL

- IEEE
- Renewable Energy

Mr.R.Palraj

Paper Publication title

- Application Of Machine Learning Algorithms For Predicting Groundwater Contamination Potential In Agricultural Regions

- Using Block chain Enabled Digital Twins to optimize Healthcare workflows and improve efficiency

NAME OF THE JOURNAL

- International Journal of Environmental Sciences

- Taylor & Franscis group

Mrs Bharathi R

Paper Publication title

- Comprehensive guide to indoor localisation: exploring wireless technologies.

- Machine learning enabled IOT framework for smart home automation and optimized energy consumption

NAME OF THE JOURNAL

- Int. J. Mobile Network Design and Innovation

Mrs.Suganya R

Paper Publication title

- **Block chain based Supply chain optimization for Eco Entrepreneurs: Enhancing Transparency and carbon Foot print Accountability**

Dr.Manoranjitham R

Paper publication title

- **Analysis of Enhanced Ant Lion Optimizer Algorithms for Robust Dimensionality Reduction**

NAME OF THE JOURNAL

- **Springer Link Nature**

Mr.A.Bharathidasan

PAPER PUBLICATION TITLE

- ## Machine Learning model for predicting carcinogenesis pathways using genomic and environmental data

NAME OF THE JOURNAL

- ## International Journal for carcinogenesis

CERTIFICATE

NPTEL ACHIEVEMENT

Students Achievement In NPTEL

Total No Of Students Successfully completed	67
Elite Gold	16
Elite Silver	23
Elite	14

Faculties Achievement In NPTEL

Total No Of Faculties Successfully completed	9
Elite Silver	2
Elite	2

INNOVATIVE EVENTS

PAPPER PRESENTATION
BY ROBOTICS CLUB
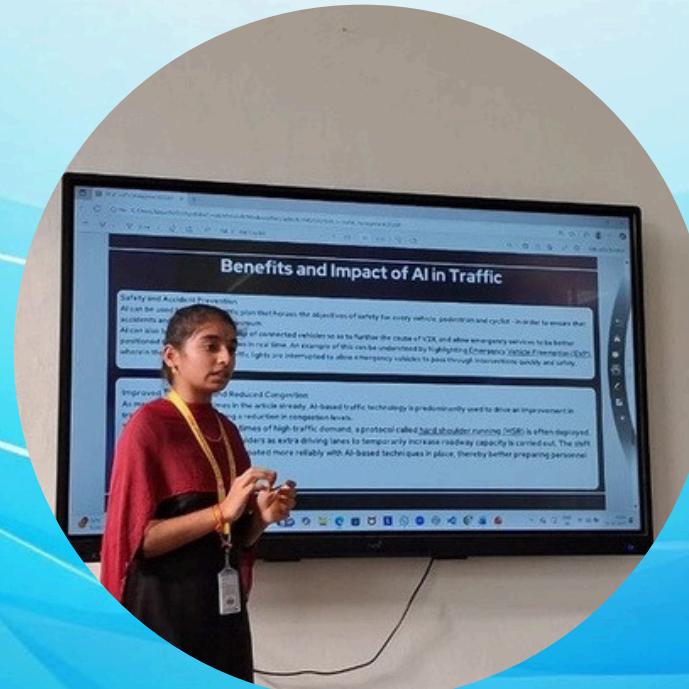
NIVETHA V

SHANMUGAPRIYA R

13th National Level Technical Symposium 2k25 at Kongunadu College of Engineering and Technology participated in paper presentation and won second prize with cash of 2000rs

EXTRA CURRICULAR ACTIVIITY:STUDENT ACHIEVEMENT

MIMICRY

Mugesh was awarded a certificate of achievement for his outstanding performance in the Mimicry Competition. His skill earned him well-deserved recognition.

SPORTS ACHIEVEMENT:SILAMBAM

Hari Haran achieved in the Silambam Competition and won 15,000 cash prize, displaying outstanding technique, discipline, and sportsmanship.

He received a certificate for his performance in the Silambam Competition, showcasing discipline, focus, and respect for traditional martial arts.

He also recieved a shield for his performance in the silambam competition

VISHNU PRASAADH
has participated in the 33rd Karur district level children & open chess tournament

Students Art & Aesthetics
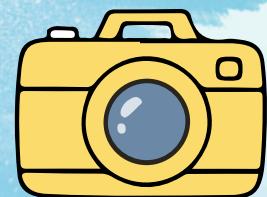
PHOTOGRAPHY

Keshav Karthikeyan
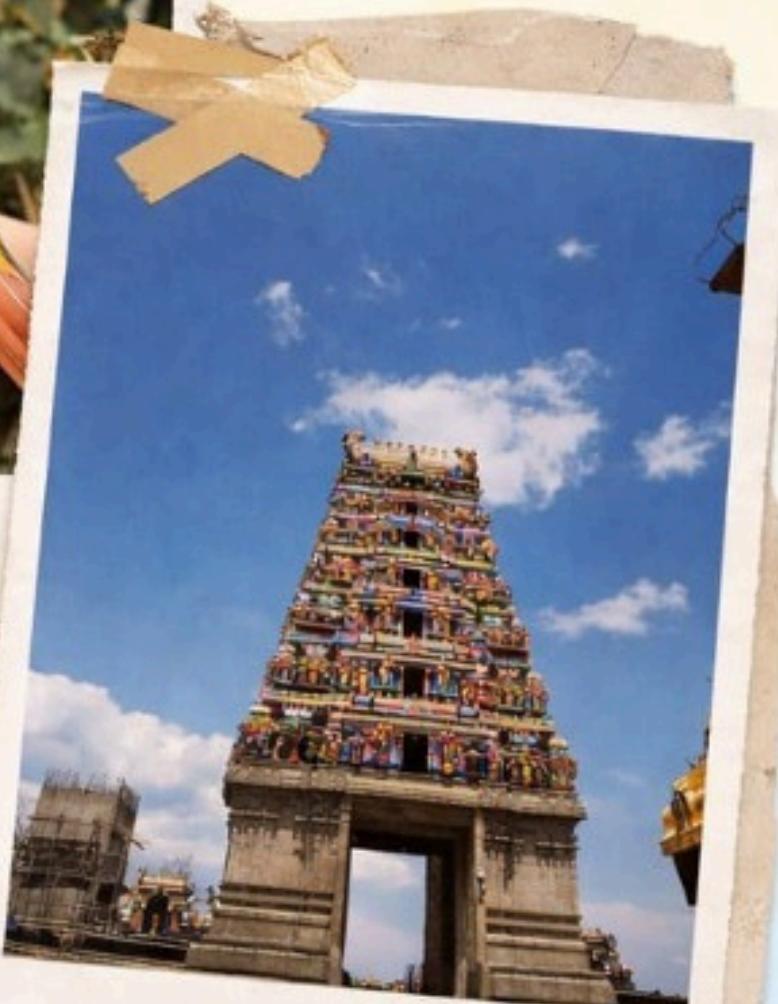
KEERTHI DHARANI

KISHALINI

DIVYA R

SORNAMBIGA S

Keerthika

Kishalini

WALL DRAWING

ANUSHA
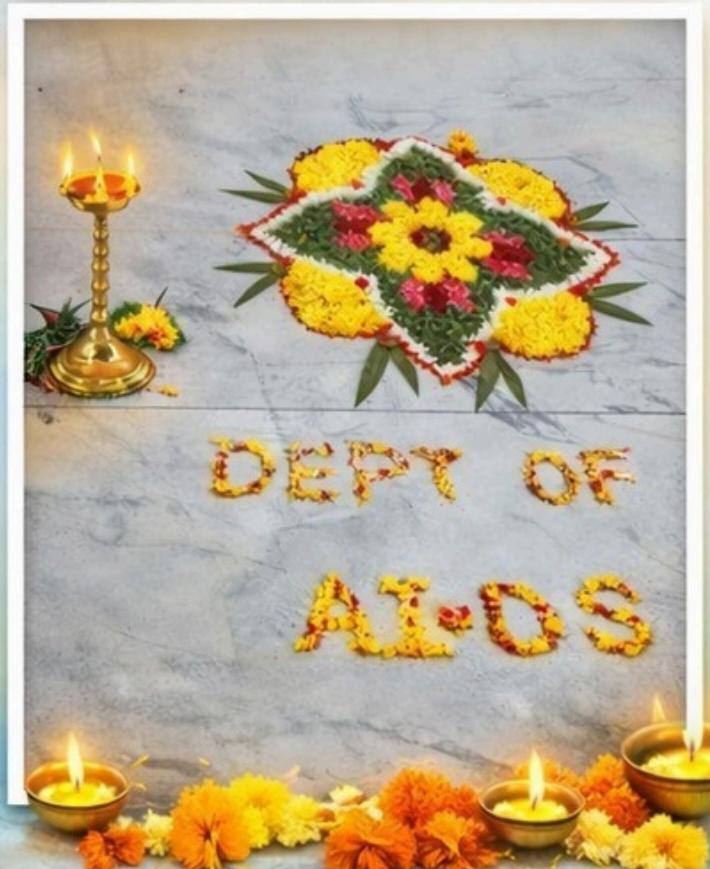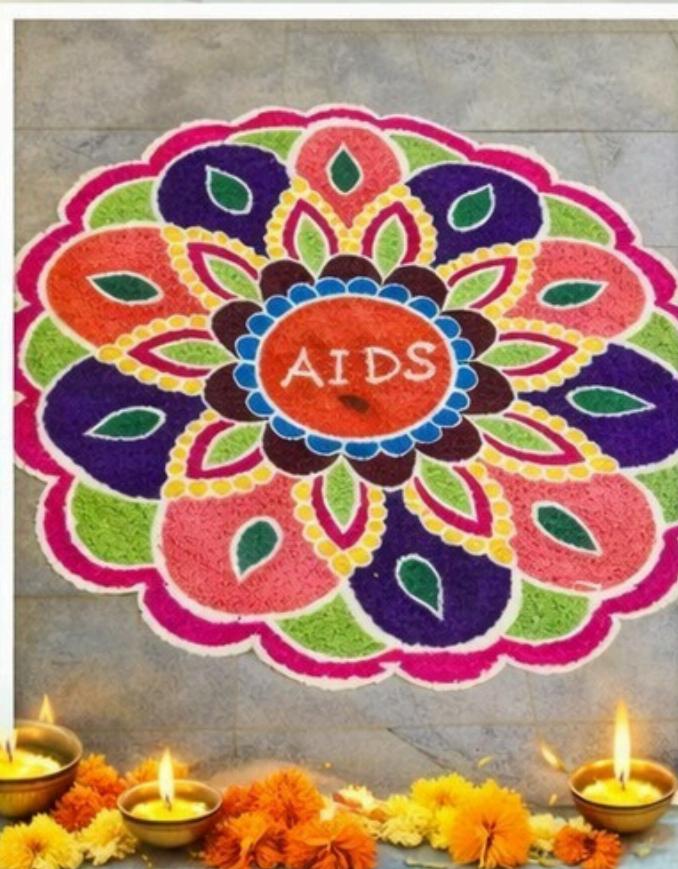
POOJA CELEBRATION CLICKS 📷

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Thank You