CIT Sandwich Polytechnic College, Coimbatore - 641 014

About the Institution

CIT Sandwich Polytechnic College is one of the institutions run by V. Rangaswamy Naidu Educational Trust founded in 1955 by Late. Sri. V. Rangaswamy Naidu for the promotion of Technical Education and Industrial Training in Tamil Nadu. The polytechnic was started in the year 1961, and it is located near Civil Aerodrome, Coimbatore on the Avinashi Road. CIT Sandwich Polytechnic College is a Government-Aided Institution approved by AICTE.

Inside...

Vision

The institution endeavours to inculcate students with technical skills, professional ethics and make them socially responsible citizens to cope with the current and upcoming technical challenges faced by our country.

Mission

The institution imparts quality education and training to empower the students with technical knowledge skills for employability and entrepreneurship with social responsibility.

From Correspondent's Desk

We impart education to match the advancement in technology and globalization. As Aristotle's words, 'the heart should be educated before the mind is educated; otherwise education is not education at all.' Marching the students ahead with moral values and principles is an important task. I applaud the team members for instilling the necessary qualities, creativity and imagination.

From Coordinator's Desk

The college follows a unique pedagogy to ensure its students in having the opportunity to face the rigors of the ever-changing demands of real-world situations. It is again supplemented by on-going and regular interaction with business and industry leaders providing the students a practical platform to assess and experience the application and effective results of what is taught as concepts in their classrooms.

From Advisor's Desk

Today, we live in a world that is so very different from the one we grew up in, the one we were educated in. The world is changing at such an accelerated pace, and we educators need to pause and reflect on this entire system of education. These are the factors that motivate the students to go through continuous process of reflection.

From Secretary's Desk

The biggest challenge we all face today is to prepare the students for a globalized world. In fact students do not have the same talents and so each one will achieve success differently. So the educators being facilitators should find the specific field of interest and encourage the students. And the students should honestly do the best that they can for a successful academic and professional career.

From Principal's Desk

It is a matter of great pride and satisfaction to bring out the Newsletter for the period from December 2023 to June 2024. The college has made tremendous progress in all areas of academic, non-academic and capacity building relevant to staff and students. This edition of the newsletter reports the significant activities carried out by Students and Faculty in the areas of Teaching and Learning, Co-curricular and Extracurricular.

Department Activities

Mechanical Engineering (Sandwich)

The Mechanical Engineering (Sandwich) Association's PAPER PRESENTATION ON ENTREPRENEURSHIP EVENT was conducted on 10.01.2024 at CITSPC Conference Hall for the academic year 2023-2024. 90 students participated in the event.

Technical & non- technical quiz program

A technical and non-technical QUIZ PROGRAM was conducted for the benefit of the students on 21.02.2024. 130 students participated in the event. The prize was bagged by Mr. E. Arun Karthick of VII Semester, DME SWC.

Mechanical Engineering (Full Time)

The Mechanical Engineering Association's GROUP DISCUSSION event was conducted on 15.02.2024 on the topic 'IMPACT OF MODERN INVENTIONS – GOOD OR BAD TO OUR SOCIETY' for the III-year DME students. Mr. Jayapraksh P, HoD - Mechanical Engineering, and Mr. Mounesh G, Lecturer, Mechanical Engineering, CIT SPC acted as the judges for the event.

Association activities and placement activities
- The Mechanical Engineering Association's Valedictory function was conducted on 15.03.2024 at the Conference Hall, CIT SPC.

Dr. Uma. R, Yoga Therapist & Level 5 Certified Yoga Trainer delivered the valedictory speech training on 'Health and Fitness for Young Engineers'.

Instrumentation and Control Engineering

CORRECT THE FAULT (CIRCUIT)
To test the technical knowledge gained from academics, we conducted a CIRCUIT FAULT IDENTIFICATION competition on 20.12.2023

Winners: Samprashana K, Aldinel Rufus, Bharath K, IV Sem DICE

IDEATHON
The purpose of this competition was to enhance the innovative skills of the students. The participants came up with innovative ideas. This event was conducted on 24.01.2024.
Winners: Viswa R M, VI SEM DICE

HANDS-ON TRAINING IN E-VEHICLE TECHNOLOGY
A HANDS-ON TRAINING IN E-VEHICLE TECHNOLOGY was arranged for the students on 02.03.2024 to get some basic knowledge to e-vehicle manufacturing

PAPER PRESENTATION

To improve the presentation and communication skills among the students we organized paper presentation event on A GREAT PRESENTATION GIVES SMART IDEAS AN ADVANTAGE–Nancy Duarte in our department on 14.02.2024. Students came up with their ideas for presentation and made the event more interesting.

Winners: Viswa R M, Abdul Riyaz M VI SEM DICE

THE VALEDICTORY CEREMONY of the Association of Instrumentation and Control Engineering for the academic year 2023-2024 was conducted on 15.03.2024. The Chief Guest of the valedictory function was Mr. P. Arul Thangaraj, Technical Head - Automation, M/s, VPN Agencies, Coimbatore. The Chief Guest delivered a special address on "IMPORTANCE OF TECHNOLOGICAL ADVANCEMENTS AND INNOVATIONS". He shared his knowledge and experience in the field of PLC, Sensors used in industrial automation. Monitoring of all activities of an industry remotely by using PLC, DCS and SCADA.

PLACEMENT TRAINING

1. Aptitude test - 24.01.2024
2. Self introduction - 31.01.2024
3. Technical test- 14.02.2024
4. Group discussion - 06.03.2024

Computer Engineering

·A LOGO DESIGNING EVENT was held on 29.12.2023.

·A TECHNICAL WRITING CONTEST was held on 24.01.2024.

·A TECHNICAL PROJECT MODELLING CONTEST was held on 20.02.2024

·VALEDICTORY

The VALEDICTORY FUNCTION was conducted on 14.03.2024. The Chief Guest of the function was Dr. K. Mohana, Assistant Professor, Nirmala College for Women. She spoke on "Significance of Mathematics in the Digital Era". The second-year and third-year students attended the function and the winners in various events were awarded with medals and certificates.

Chemical Engineering

·The Chemical Engineering Association conducted the event "CHEM WORLD" on 22.12.2023.
·Chemical Engineering Association conducted the event **"NANO TECHNOLOGY IN CHEMICAL ENGINEERING - PAPER PRESENTATION"** on 23.01.2024.
·The Chemical Engineering Association conducted the event "**CHEMCON – THE ELEMENT STORY"** on 16.02.2024.
·The **Valedictory Function** of the Chemical Engineering Association was held on 15.03.2024, at 15:30 in the CITSPC Conference Hall. The Chief Guest, P.V. Ramakrishna, Founder of Wafe Auxiliary Chemicals Pvt. Ltd., Coimbatore, shared his life and industrial experience, motivating the students to become entrepreneurs during the event.

Electronics and Communication Engineering

The ECE Association's VALEDICTORY FUNCTION was held on 13.03.2024, featuring Dr. J. Devishree, Professor at Coimbatore Institute of Technology, as the chief guest. Dr. Devishree delivered an inspiring speech, marking the conclusion of a successful academic year for the association. The event was well-attended by faculty and students, celebrating the achievements of the past year.

Automobile Engineering

QUIZ COMPETITION:
On 05.02.2024. A quiz competition was held. The quiz, focused on automotive technology and industry history, encouraged active participation and engagement among members, creating a dynamic and interactive atmosphere.

TECHNICAL SEMINAR
On 24.02.2024, the association conducted a technical seminar that aimed at delving into recent advancements and innovations in the automotive sector. This seminar was a key component in the association's effort to keep members informed and up-to-date with industry trends.

GROUP DISCUSSION
The group discussion held on 09.032024 provided a platform for members to engage in a detailed exchange of ideas on significant automotive issues.

VALEDICTORY FUNCTION
The annual series of events concluded with a valedictory function on 13.03.2024, was presided over by Dr. N. S. Krishnan from CIT. This final event provided an opportunity to review the year's activities and recognize the contributions of the members.

Department of Science and Humanities

To improve students' language fluency, accuracy, and time management, the Science and Humanities Association organized a "Just a Minute" event for first-year students on 16.02.2024. The event featured three rounds and saw participation from around 20 students across various branches of study. Dr. K. Ganesh Muthuram, Lecturer in English, served as the judge, while Dr. R. Mangalam, Lecturer in Physics, organized the event. Both participants and the judge enjoyed the event.

NATIONAL SCIENCE DAY

National Science Day was celebrated on 28.02.2024 with the theme "Indigenous Technologies for Viksit Bharat" at the college premises. The event featured Dr. C. P. Yoganand, Assistant Professor at Coimbatore Institute of Technology, as the chief guest. Both first-year students and staff benefited from the insights shared.

VALEDICTORY FUNCTION

The Science and Humanities Association's valedictory function was conducted on 25.03.2024 at the CITSPC conference hall. Dr. R. Renuga, Principal of CITSPC, was the chief guest. She delivered a speech on "Gadgets and Youth". Prizes and certificates were awarded to winners of various SHA events, and proficiency awards were given to the top three rank holders in the I semester examinations.

INFINITUM' 24

The INFINITUM '24 State-Level Symposium, hosted by CIT Sandwich Polytechnic College on 01.03.2024, featured a series of engaging technical events for polytechnic students from Tamil Nadu. Dr. R. Renuga, Principal of CIT, emphasized the symposium's role in bridging academia and industry. Chief Guest Mr. N. Ramasamy, Managing Director of SRI Seethalakshmi Steel Castings Pvt. Ltd., shared insights on the future of technical education and innovation.

The event included competitions such as Mind Maze (Technical Quiz), Cognitive Castle (Idea Explosion), Error Epic (Code Debugging), Code Rush (Webpage Creation), The Debugger (Circuit Debugging), and Mr. Mechanic (Assembling). Winners were honoured with certificates and trophies at the valedictory ceremony.

Faculty Training Programme

The two-day Faculty Development Program on Artificial Intelligence, held between 16 and 17.03.2024, at CITSPC, aimed to enhance faculty knowledge in AI and machine learning. The event featured Dr. Sudha Sadhasivam G from PSG College of Technology as the chief guest, who delivered the keynote on "Essentials of AI." Dr. Miraclin Joyce Pamila J C from Government College of Technology presented on "Data Engineering," while Dr. Pramila K from PSG Institute of Technology discussed "Teachers Foster Human Skills in an Automated World." An exclusive hands-on session at the CIT Teaching Learning Center, led by Dr. Manikandan, highlighted AI's role and Smart City Projects. Approximately 40 faculty members benefited from the program.

National Service Scheme (NSS)

The NSS activities conducted at CIT Sandwich Polytechnic College from December 2023 to June 2024, under the guidance of NSS Program Officers: Dr. Rajajeyaganthan R and Mrs. Lakshmi Priya S, have been instrumental in promoting social responsibility, community engagement, and the overall development of the students. These initiatives reflect our commitment to the welfare of the community aligned with the NSS motto, "Not Me; But You."

These activities have not only benefited the underprivileged and the environment but have also contributed to the holistic growth of our students, instilling in them a sense of empathy, responsibility, and the importance of social service.

The activities conducted during the period Dec 2023-Jun 2024 are listed below:

- 12.01.2024 Drawing Competition
- 13.01.2024 Pongal Day Celebration
- 24.01.2024 Poster Creation Competition
- 26.01.2024 Republic Day Celebration
- 28.02.2024 National Science Day
- 08.03.2024 Women's Day Celebration
- 12.06.2024 World Day against Child Labour-Pledge
- 21.06.2024 International Yoga Day

NSS SPECIAL CAMP

The National Service Scheme (NSS) Special Camp is a pivotal event aimed at fostering community engagement, social responsibility and personal development among youth volunteers.

The recent NSS Special Camp was held from 23.02.2024 to 29.02.2024 at Devarayapuram and Pullakoundanpudur village in Coimbatore. The camp served as a platform for volunteers to immerse themselves in service activities, community outreach, and interactive learning. In this camp, 100 student volunteers from I and II years participated and benefited.

WOMEN IN DEVELOPMENT

Women's Day Celebration was conducted on 08.03.2024. The Chief Guest, Dr. M. A. DEEPA, M.Sc., M.Phil., Ph.D., SLET, Assistant Professor, Government Arts College, Coimbatore.

YRC - Eye Awareness Camp

An Eye Camp was organized jointly by CIT Sandwich Polytechnic College and Aravind Eye Hospital, Coimbatore in our institution on 20.03.2024. The arrangements were co-ordinated by Dr. Mohanraj M S, Ophthalmologist, and his medical team made all the necessary arrangements for conducting the eye camp.

Naan Mudhalvan Scheme

S. No	Sem	Class	Naan Mudhalvan course name	Trainer name
Non- Circuit Branches				
1	II	Mechanical Engineering (SWC) Mechanical Engineering, Automobile Engineering, Chemical Engineering	Employability Skills	Mrs.S.Shobarniya
2	IV	Mechanical Engineering (SWC) Mechanical Engineering, Automobile Engineering, Chemical Engineering	Microsoft Digital Skills	Virtual Mode
Circuit Branches				
3	II	Computer Engineering, Electronics and Communication Engg Instrumentation and Control Engineering	Microsoft Digital Skills	Virtual Mode
4	IV	Computer Engineering, Electronics and Communication Engg Instrumentation and Control Engineering	Employability Skills	Mr.M.Vishnukarthik

INDUSTRY INSTITUTE PARTNERSHIP CELL

Memorandum of Understanding

An MoU was signed between M/s. CIT Sandwich Polytechnic College and M/s. Easy Design Systems Pvt Ltd., Coimbatore on 03.07.2024.

Placement Particulars

The campus placement drive witnessed leading international recruiters like L&T, TVS Motors and KBR among others. Till 01.06.2024, 15 companies have visited our campus and have selected 50+ students of our college across various departments.
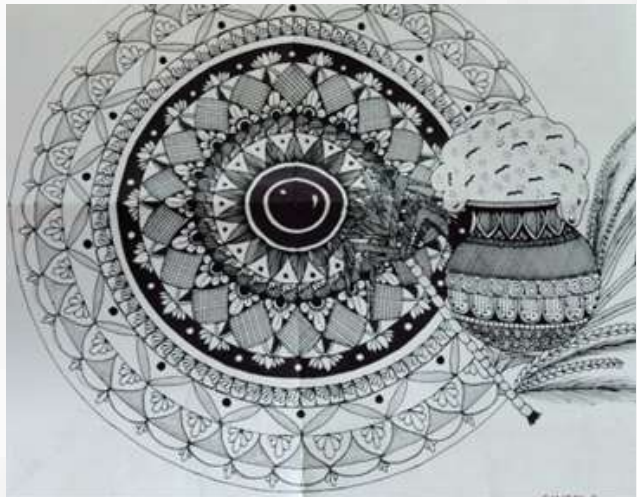
Sl. No.	Name of the Recruiters	Date of Recruitment	Salary / Month Rs.
1	Baker Hughes, GE Oil and Gas, Echanari, Coimbatore	04.10.2023	12,500
2	Titan Engineering & Automaion, Housr	28.12.2023	27,000
3	UNO Minda, Hosur	19.12.2023	25,000
4	Visteon Technical & Services Centre Pvt, Coimbatore	11.01.2024	33,333
5	Technip Energies, Chennai	19.01.2024	27,500
6	Biocon Limited, Bangalore	22.01.2024	26,166
7	Schneider Electric India Pvt Ltd, Coimbatore	06.02.2024	16,500
`8	ZF Wind Power Coimbatore Private Limited	09.02.2024	17,950
9	TVS Motor Company, Hosur	13.02.2024	31,666
10	Ultratech Cement Limited, Reddipalayam	22.02.2024	33,333
11	Larsen & Turbo Ltd, Coimbatore	27.02.2024	16,000
12	Royal Enield (A Unit of Eicher Motors Limited), Chennai	13.03.2024	17,300
13	Anamallais Motors Private Limited, Coimbatore	14.03.2024	15,000
14	Balakrishna Engineering Pvt Ltd, Coimbatore	16.03.2024	15,000
15	Versa Drives Pvt Ltd, Coimbatore	16.03.2024	15,000

Art Club

CIT Sandwich Polytechnic College, under the aegis of the Arts Club and the Students' Forum, hosted several art events to enhance the students' creativity. The following were the events conducted (for Diploma students across all years) for the academic year 2023-2024, by the staff advisor of the club, Dr. Ganesh Muthuram K, with the able assistance of the office bearers of the club, Mr. Darshan Kumar of II DECE and Mr. Mithunkumar of II DME SWC.

Events:
- 11.01.2024 - Paper RangoliGreen and Clean Pongal 2024
- 24.01.2024 - Poster CreationMy India in 2030

Photography club

"PONGAL PANORAMA" was conducted on 23.01.2024 (Tuesday). The theme of the event was pongal festival. All the photography club members participated in the event.
Winner: DANI PON JOSHUA P, DME SWC, III

"PETAL PIXELS" was conducted on 22.02.2024 (Thursday). The theme of the event was autumn and spring season. All the photography club members participated in the event.

DANI PON JOSHUA P,
DME SWC, III Year

HARRISH ROZARIO P,
DICE, III Year

JOY KIRUBAN
DME, III Year

Academic Performance of the students

Branch	Semester	Register Number	Name	Percentage
DME (SWC)	II	24700020	Johannuthjal B V	9.8 GPA
	IV	23700016	Karthik M	92.7
	VI	22700023	Joshua J	86.8
DME	II	24202713	Pranesh K	9.6 GPA
	IV	23202632	Nagarajan S	92.1
	VI	22202605	Praveen S	98.0
DICE	II	24406315	Antro Ashik G	9 GPA
	IV	23406928	Aswin M	91.28
	VI	22404930	Viswa R M	97.33
DCHE	II	24602452	Anthony Immanuvel J	9.9 GPA
	IV	23602152	Saran V	82.4
	VI	22691005	Srikanth M	94.6
DCE	II	24509700	Suganyadevi M	10 GPA
	IV	23509256	Ramya Shri G	99.0
	VI	22505857	Priyadarshini R	95.6
DECE	II	24406961	Sarika R	10 GPA
	IV	23407617	Mukileshwaran R	98.6
	VI	22405472	Felix Rubin R	96.7
DAE	II	24220845	Ramprabhu.G	9.4 GPA
	IV	23224007	Aswin R	81.9
	VI	22220293	Jagadesh R	84.2

Students Corner

QUANTUM COMPUTING: THE SUPERPOWER OF THE FUTURE

Imagine a computer so powerful that could solve problems that would take today's supercomputers millions of years to crack. Welcome to the world of quantum computing, where things get a bit... strange! Traditional computers use bits, the smallest units of data, as 1s or 0s. But quantum computers? They use qubits, which can be both 1 and 0 at the same time. How? Thanks to the wild world of quantum mechanics! This phenomenon is called superposition, and it allows quantum computers to process a mind-boggling amount of information simultaneously.

But wait, there's more! These qubits can also become entangled — meaning if you change one qubit, another, even light-years away, will change instantly. It's like quantum computers are secretly communicating, as if by magic.

While we're not quite there yet, when fully operational, quantum computers could revolutionize industries: cracking codes, designing new drugs, optimizing traffic, and even unlocking the secrets of the universe!

So, next time you're stuck in traffic or waiting for a download, just imagine a quantum computer zipping through tasks in the blink of an eye. The future might just be quantum-tastic!

-      **Mr. SRIVISHNU S. K. (M2223), III Year DME**

RISE OF ARTIFICAL INTELLIGENCE

The Rise of Artificial Intelligence: Transforming Our World Artificial Intelligence (AI) has rapidly evolved from a theoretical concept into one of the most transformative forces in modern society. Its applications span a wide range of fields, from healthcare and finance to entertainment and ransportation. This article explores the current state of AI, its applications, and the potential implications for our future.
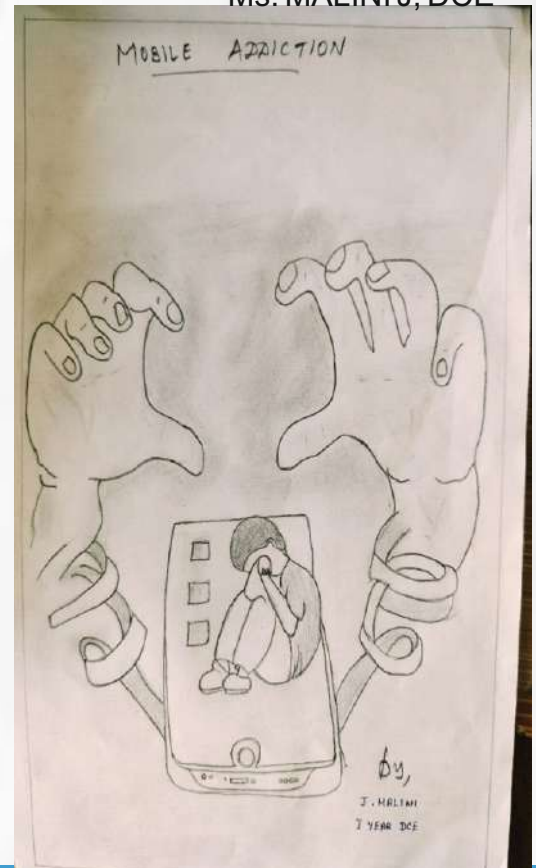
What is Artificial Intelligence?

Artificial Intelligence refers to the simulation of human intelligence in machines that are designed to think and learn like humans. This includes capabilities such as understanding natural language, recognizing patterns, and making decisions. AI can be categorized into two main types:

1.   Narrow AI: Also known as Weak AI, it is designed and trained for specific tasks. Examples include voice assistants like Siri and Alexa, and recommendation algorithms used by streaming services and online retailers.

2.   General AI: Also known as Strong AI, it refers to a machine that possesses the ability to perform any intellectual task a human can. This type of AI remains largely theoretical and is the subject of ongoing research.

-      **Mr. NAGARAJAN S, III YEAR/ DME**

MOBILE ADDICTION
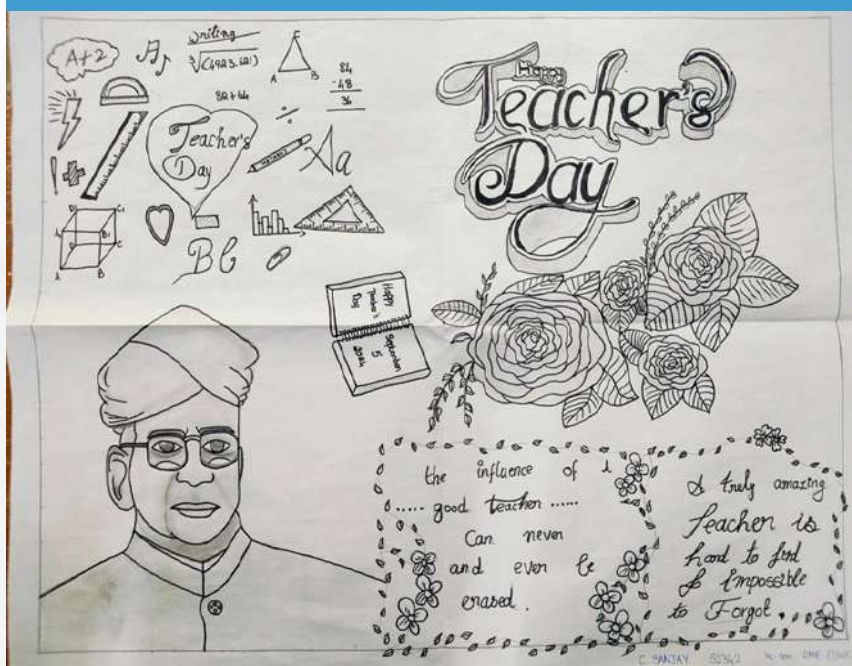-   Ms. MALINI J, DCE

ENGAGING IDIOMS

Idiomatic phrases add colour and depth to language, making everyday communication more engaging. An idiom is a phrase whose meaning differs from the literal interpretation of its words. Here are a few popular examples:

1.   Bite the bullet – To endure a painful situation bravely.
2.   Break the ice – To initiate conversation in a social setting.
3.   Hit the nail on the head – To describe something accurately.
4.   Under the weather – Feeling unwell.
5.   Spill the beans – To reveal a secret.

Incorporating idioms into speech or writing not only enhances expression but also adds a cultural flavor to the language!

-      **Mr. PRANESH, DME, 2023 BATCH**

REDEFINING THE PRESENT

To outrun the fast paced world
Where everything is just a click away
Not understood by the old
We are mostly cast away

Into a spiral of fear
Pushing everything dear
So nothing is near
To hurt in the rear

Despite the pressure
We are the present
Making the future
Despite the fear

Breaking old ways
That makes no sense
Creating new ways
That set current trends!

- **Ms. Nittheaprabaha J, instructor - English**

சமர்ப்பணம்

ஆசிரியர்களே !....
அறிவின் ஆதவன்களே !....

❖ விடியலின் வித்தை
விருட்சமென மாற்றும்
வித்தகர்களே...

❖ நாளைய விழுதுகளுக்கு
வேரென ஆனவர்களே...
புதுவுலகம் படைத்திடும்
பிரம்மாக்களே....

❖ கூட்டுப்புழுவையும்
உலகமறிந்திடும் பட்டாம்பூச்சியாய்
பறக்கச்செய்தவர்களே...

❖ ஞாலம் சிறக்க
ஞானப்பால் ஊட்டிய
நல்லாசிரியர்களே...

❖ ஏற்றத்தாழ்வுகளை
ஏறிமிதித்து ஏற்றம்புரிந்திட
எங்களுக்கு ஏணிப்படியானவர்களே...

❖ கல்விச்சரணாலயம்
தேடிவந்த பறவைகள் நாங்கள்....
உங்களை,
வேடர்களென்று எண்ணினோம்...
தோழர்களாய் ஆனீர்கள்...

❖ ஜாதிவெறியின்றி
ஜல்லிக்கட்டை மீட்டெடுத்தோம்...
உங்களின் பயிற்சியில்....
எங்களின் முயற்சியில்....

❖ முகத்திற்கு முன்னால்
திட்டியவர்களும் நீங்கள்தான்...
முதுகிற்கு பின்னால்
தட்டிக்கொடுத்தவர்களும் நீங்கள்தான்...

❖ கணினியுகமென்று
காலம்மாறினாலும்
வரலாற்றின் பக்கங்கள்
எழுதப்படுவது உங்களால்தான்....
உங்களால் உருவாக்கப்பட்ட
எங்களால்தான்....

❖ வாழ்க்கைப்பயணத்தில்
வழிப்போக்கர்களாய் நாங்கள்...
வழிகாட்டிகளாய் நீங்கள்...

❖ உங்களை
வாழ்த்த வயதின்றி
வணங்குகிறோம்...
இந்த "**ஆசிரியர்தின**" நன்னாளில்....

Smt.M.Nithyakalyani, Lecturer Physics

GEOGEBRA: A DYNAMIC TOOL FOR LEARNING MATHEMATICS

GeoGebra is a powerful and interactive mathematical software that brings together geometry, algebra, calculus, and statistics in an intuitive way. Designed to help both students and educators, GeoGebra enables users to visualize and explore mathematical concepts through dynamic constructions and simulations. One of its key features is the ability to create geometric constructions, such as points, lines, circles, and polygons, and manipulate them interactively. This helps students grasp concepts like symmetry, transformations, and congruence in a visual, hands-on manner.

In addition to geometry, GeoGebra integrates algebraic expressions, allowing users to input equations and instantly see their graphs. It supports calculus by offering tools to investigate derivatives, integrals, and limits. Moreover, the software handles statistical data, enabling the creation of charts, regression models, and probability distributions.

GeoGebra is widely used in classrooms around the world due to its versatility and ease of use. It offers features that promote a deeper understanding of mathematics, helping students connect abstract concepts with real-world applications. With its open-source nature, the platform is accessible to everyone, making it an invaluable resource for modern math education.

Mrs. Lakshmi priya S & Mr. Rajesh M, Lecturer - English

VERSES IN DOUBT

Should poems rhyme, or break from the old ways?
Are poets those who truly lead the way,
Like Shelley, Keats, who shone through many days?
Or can we, too, create what they convey?

Do we belong, or are we left to fade,
As budding poets, dismissed and ignored,
By those who hold to past traditions made,
And judge our work as something to be stored?

These questions stir the mind and cause us doubt,
For one who loves to write, in rhyme or free,
Where meter and rules may sometimes leave out
The truth that sets our words and spirits free.

Yet time will show, with patience, clear and bright,
Our growth from humble roots to shining light.

Dr. Ganesh Muthuram K, Lecturer - English

Patron:

Dr. R. Renuga, Principal

Chief Editor:

Dr. K. Ganesh Muthuram,
Lecturer/English, S&H

Editors & Art Work

Sri. S. Dinesh Kumar
Lecturer/Automobile Engg.

"Education is the most powerful weapon which you can use to change the world."

-   A.P.J. Abdul Kalam