

MECHON'23

DEPARTMENT OF MECHANICAL ENGINEERING



NO TECH WITHOUT MECH



FROM THE DESK OF THE PRINCIPAL



Dr. V. RAJAMANI

I AM VERY PROUD AND DELIGHTED TO RELEASE THE 10TH EDITION OF THE MECHON-2022-2023, THE NEWSLETTER OF THE DEPARTMENT OF MECHANICAL ENGINEERING, WHICH EMBRACES THE ACHIEVEMENTS OF THE FACULTY MEMBERS AND THE STUDENTS. I AM VERY HAPPY TO MEET YOU THROUGH THIS PAGE. VEL TECH MULTI TECH HAS STOOD ABOVE THE REST IN ITS APPROACH TO EDUCATION AND IN ITS PEDAGOGIES. THE WAYS WE TEACH AND THE WAYS OUR STUDENTS LEARN ARE UNIQUE AND CREATIVE. EDUCATION IS NOT AN ACT OF ACQUIRING KNOWLEDGE BUT LEARNING A SKILL TO LEAD LIFE AND FORMING ONE'S PERSONALITY. MANY CONSTRUCTIVE EFFORTS HAVE BEEN TAKEN TO IMPROVE OUR COLLEGE RESULTS. AS CAMPUS PLACEMENTS ARE PROGRESSING, EFFORTS TO GROOM THE STUDENTS TO SERVE THE SOCIETY ARE ALSO IN PACE. I CAN BOLDLY SAY THAT THE DEPARTMENT OF MECHANICAL ENGINEERING HAS EXCELLED IN EVERY INITIATIVE THAT HAS BEEN UNDERTAKEN AND HAVE STOOD TOGETHER IN FACING THE CHALLENGES IN REALIZING QUALITY EDUCATION. I WISH TO RECORD MY HEARTY CONGRATULATIONS TO THOSE WHO HAVE BROUGHT LAURELS TO THE INSTITUTION AND I APPRECIATE ALL OF YOU FOR WORKING TOGETHER AS A TEAM FOR THE SUCCESS OF THIS MAGAZINE.



FROM THE DESK OF THE HEAD OF THE DEPARTMENT

HERE COMES THE 2022-2023 EDITION! OUR STUDENTS HAVE DEMONSTRATED THEIR CAPABILITIES AND BRILLIANCE BY SECURING INTERNSHIP IN HIGHLY REPUTED INTERNATIONAL ORGANIZATIONS. OUR FACULTY MEMBERS AND STUDENTS REGULARLY PRESENT THEIR RESEARCH FINDINGS IN VARIOUS ACADEMIC CONFERENCES. WE ARE VERY PROUD TO TELL YOU THAT WE HAVE SIGNED MOU'S WITH LEADING INDUSTRIAL ORGANIZATIONS. THIS NEWSLETTER HIGHLIGHTS THE ACADEMIC ACHIEVEMENTS OF THE DEPARTMENT OF MECHANICAL ENGINEERING DURING THE PERIOD, 2022-2023.

IN AN ORGANIZATION ANY INITIATIVE NEEDS TO BE CELEBRATED AND TREASURED. AS WE EMBARK ON THE TASK OF TRANSFORMING THE INSTITUTION INTO ONE OF THE PREMIER INSTITUTES GLOBALLY, WE HAVE INTRODUCED INNOVATIVE PROGRAMMES; SIGNED MOU'S AND CREATED PARTNERSHIPS WITH VARIOUS INDUSTRIES AND ACADEMIA IN ORDER TO MEET THE GROWING DEMANDS OF EXISTING AND PROSPECTIVE STUDENTS.

THERE SHALL BE MANY OTHER PUBLICATIONS DOWN THE LINE, THIS ONE SHALL ALWAYS REMAIN SPECIAL FOR THE DEPARTMENT, THE INSTITUTION, THE FACULTY MEMBERS AND STUDENTS. THE DEPARTMENT OF MECHANICAL ENGINEERING IN ITS SHORT EXISTENCE OF 13 YEARS HAS MADE RAPID STRIDES TOWARDS EVOLVING INTO A CENTRE OF EXCELLENCE IN ALL FIELDS OF ACADEMICS. THE CONTENTS OF THIS NEWSLETTER BEAR AMPLE TESTIMONY TO THIS FACT. WE HOPE TO CONTINUE TO BRING OUT SUCH QUALITY PUBLICATIONS SHOWCASING OUR ACHIEVEMENTS FROM TIME TO TIME.

ABOUT THE DEPARTMENT

THE DEPARTMENT OF MECHANICAL ENGINEERING IS AN ENERGETIC AND EMERGING DEPARTMENT STARTED IN THE INSTITUTION DURING THE YEAR 2006. IT WAS STARTED WITH THE INITIAL SANCTIONED STRENGTH OF 60 INTAKE OF STUDENTS AND INCREASED TO 120. THE DEPARTMENT HAS BEEN ACCREDITED BY NBA FOR 3 YEARS AND ANNA UNIVERSITY HAS RECOGNIZED WITH PERMANENT AFFILIATION. THE DEPARTMENT HAS WELL FURNISHED LABORATORIES, HIGHLY QUALIFIED FACULTY MEMBERS WITH PASSION FOR BOTH IN TEACHING AND RESEARCH AND SUPPORTS THEM TO TAKE UP POSITIONS OF RESPONSIBILITY IN THE SOCIETY AND MAKE SIGNIFICANT CONTRIBUTION. THE DEPARTMENT HAS FETCHED A GOLD MEDAL IN AICTE-CII SURVEY. INNOVATIVE PROJECTS OF THE STUDENTS SUCH AS VERSATILE BICYCLE, CRANKLESS ENGINE, WHEEL CHAIR HAVE WON AWARDS AND ACCOLADES IN FORUMS SUCH AS ICTACT, SAE ETC. WITH AROUND THE YEAR ACTIVITIES. THROUGH THE PROFESSIONAL BODY SOCIETY OF AUTOMOTIVE ENGINEERS (INDIA)", OUR STUDENTS CONTINUOUSLY ENRICH KNOWLEDGE BASE IN 'MOBILITY ENGINEERING' AND ARE CONTRIBUTING TO THE 'SERVICE AND HUMANITY'. THE DEPARTMENT IS MARCHING AHEAD TOWARDS THE NEEDS OF THE INDUSTRY TO COMPLETE WITH THE GROWING TECHNOLOGY FOR NATION DEVELOPMENT. THE INNOVATIVE TEACHING AND RESEARCH ACTIVITIES ARE BROUGHT INTO LIMELIGHT WITH THE SUPPORT OF OUR FACULTY MEMBERS WHO ARE WELL QUALIFIED AND EXPERIENCED IN THEIR FIELDS OF STUDY. THE DEPARTMENT IS WELL STRUCTURED AND BUILT UP WITH MORE SPACIOUS AND VENTILATED CLASS ROOMS.

VISION OF THE DEPARTMENT

TO BECOME A CENTRE OF EMINENCE IN EDUCATING STUDENTS TO BECOME TRIUMPHANT MECHANICAL ENGINEERS.

MISSION OF THE DEPARTMENT

- TO ENDUE THE STUDENTS WITH THE FUNDAMENTALS OF MECHANICAL ENGINEERING WITH PASSION FOR LIFELONG LEARNING OF INDUSTRY PRACTICES.
- TO PROPAGATE LIFELONG LEARNING.
- TO IMPART THE RIGHT PROPORTION OF KNOWLEDGE BLENDED WITH ATTITUDES AND ETHICS IN STUDENTS TO ENABLE THEM TAKE UP POSITIONS OF RESPONSIBILITY IN THE SOCIETY AND MAKE SIGNIFICANT CONTRIBUTIONS.



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MECHON'23

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STUDENT EDITOR

ENGINEERING A POEM

I lay a foundation of thought
& start constructing some concrete
evidence for my ideas
so that I may build bridges
from one source to another.
Hoping that it stands the test of time
& the scrutiny of those
who weight in with force of thought
& pressure of pre-conceived ideas.

So that words may inspire encourage
and persuade
each observer to action
& engineer a positive outcome.



SUGANTHAN.P
III YEAR

வெற்றியின் அடையாளம்!



YUVA SAROJINI.S
III YEAR

எல்லோரும் பயணிக்கிறார்கள் என்று
நீயும் பின்தொடராதே
உனக்கான பாதையை
நீயே தேர்ந்தெடு...

எத்தனை கைகள்
என்னை தள்ளிவிட்டாலும்
என் நம்பிக்கை
என்னை கை விடாது

இருளான வாழ்க்கை என்று
கவலை கொள்ளாதே
கனவுகள் முளைப்பது இருளில் தான்

சந்தேகத்தை எரித்துவிடு நம்பிக்கையை
விதைத்துவிடு
மகிழ்ச்சி தானாகவே
மலரும்...

ஒளியாக நீயிருப்பதால்
இருளைபற்றிய கவலை எனக்கில்லை...

பறப்பதற்கு வசதிகள் இருந்தாலும்
தரையில் இருக்கவும் கற்றுக்கொள்...
சிறகுகளை இழந்தாலும் வருந்தமாட்டாய்...

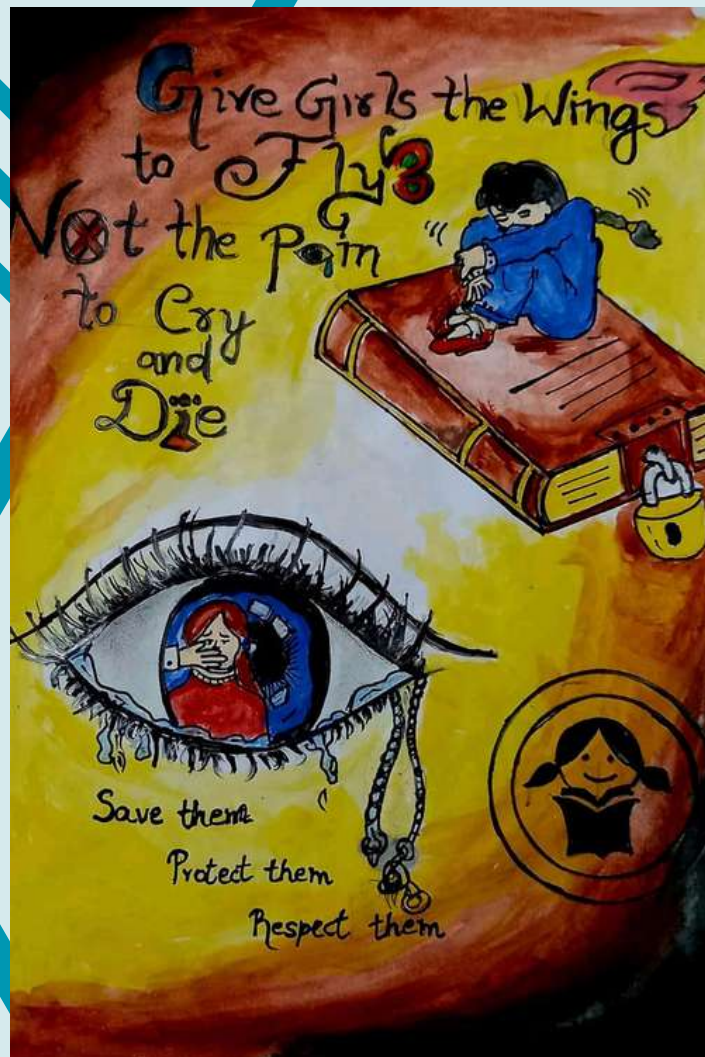
நம்மை அவமானப்படுத்தும் போது
அந்த நொடியில் வாழ்க்கை வெறுத்தாலும்
அடுத்த நொடியில் இருந்துதான்
நம் வாழ்க்கையே ஆரம்பமாகுது...

WORK OF ART



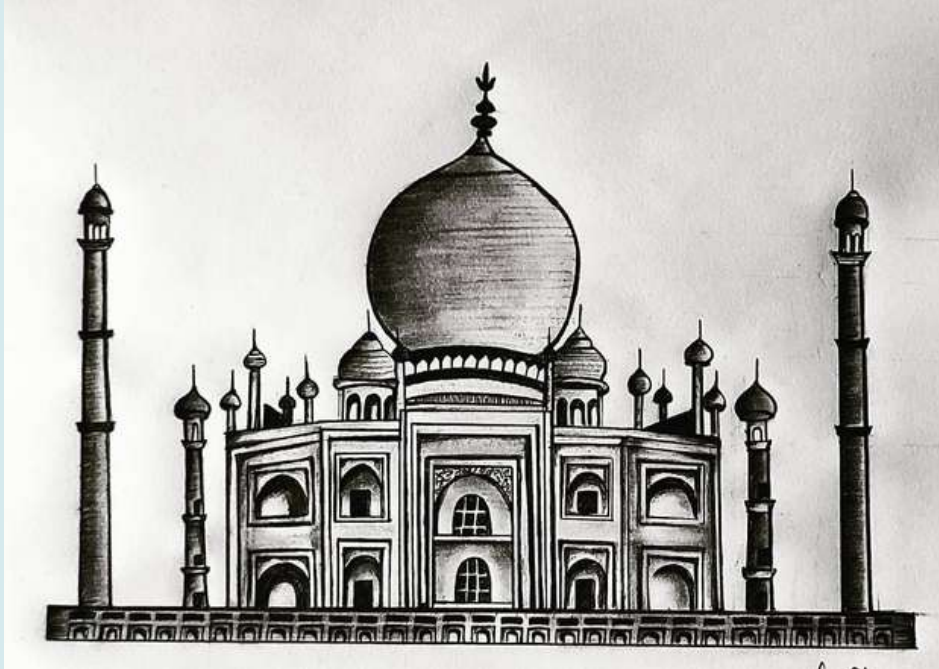
SHRUTHI.G.L III YEAR

CORONA PANDEMIC

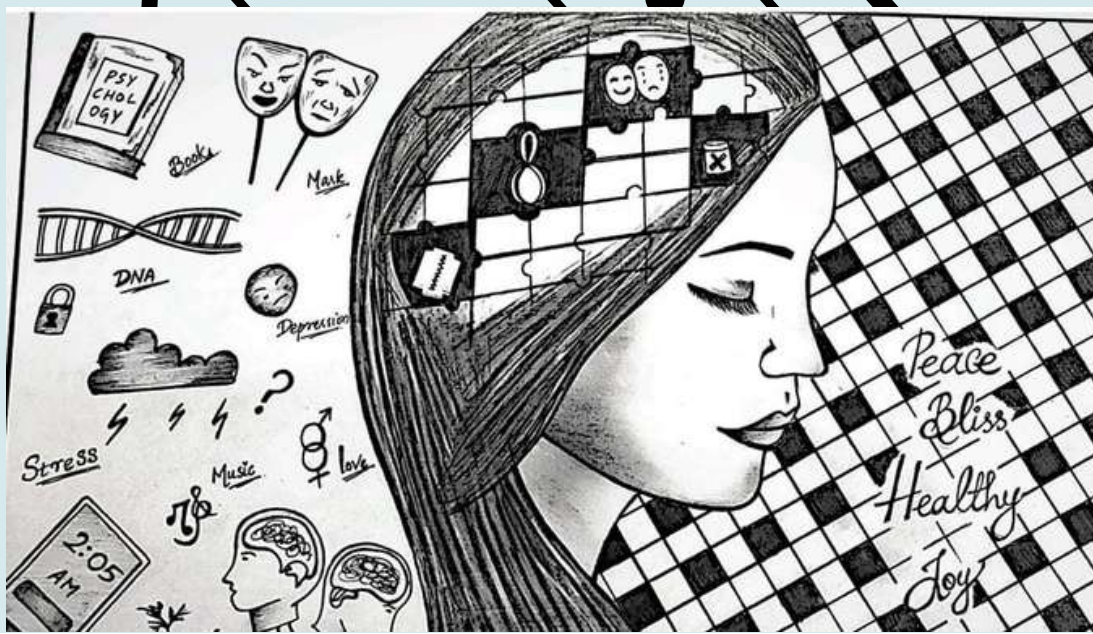


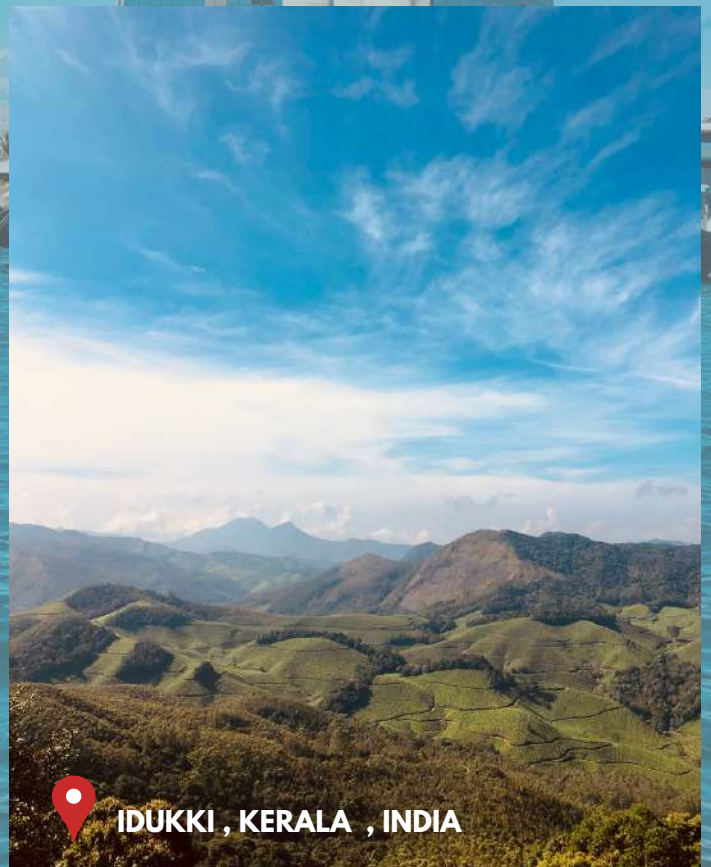
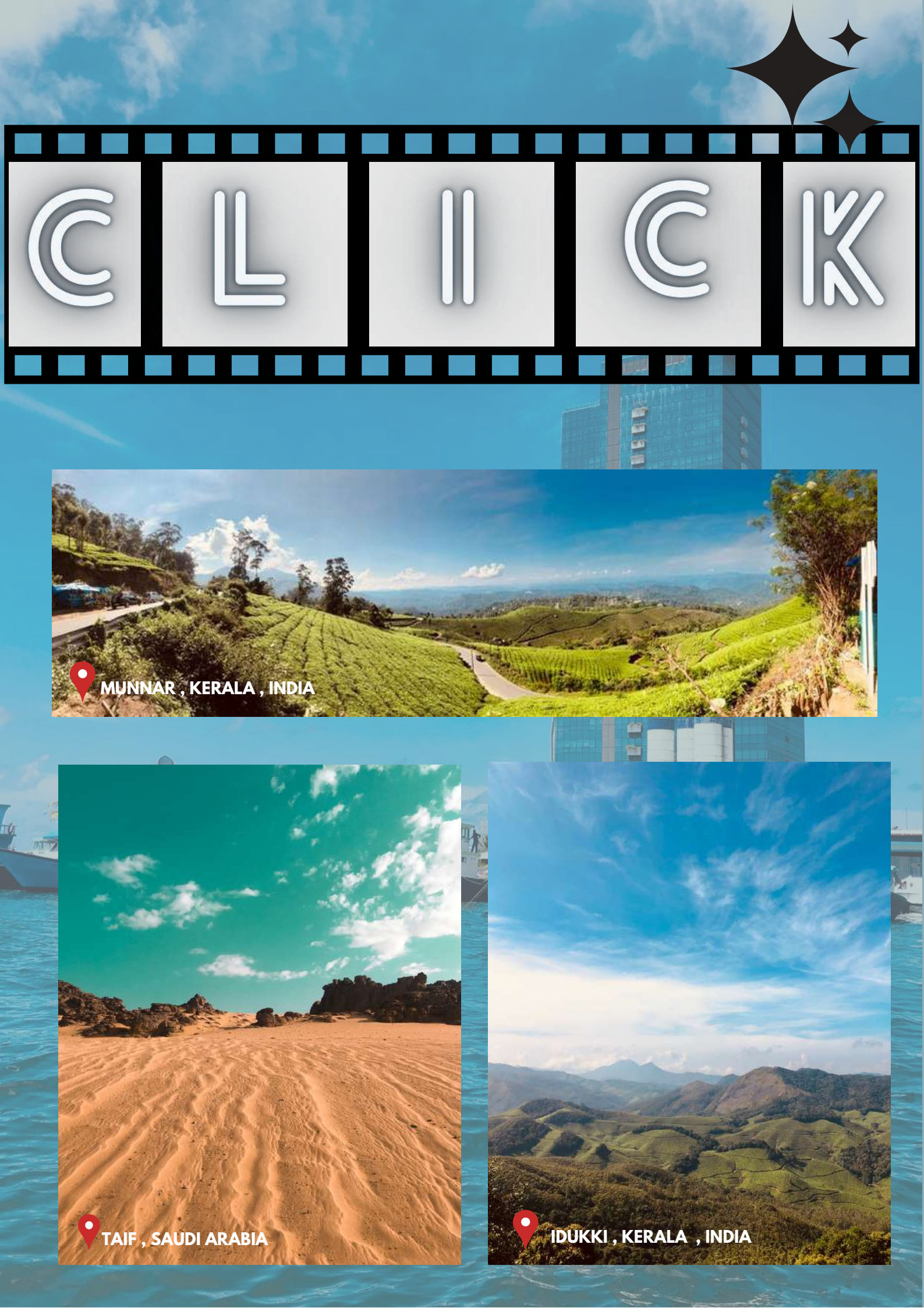
MADHUMITHA.V.B
III YEAR





SYED SUHAIL.S.K
IV YEAER







 **KANIYAKUMARI , TAMILNADU , INDIA**



 **PONMUDI , KERALA , INDIA**



 **HULUMALI ,MALI , MALDIVES**



SHOT BY :
SYED ABU THAHIR MOHAMED SHAFI
III YEAR

கவித்துளிகள்

அம்மா

எவ்வளவு அழகு என் மகன் பார்வையற்ற தாயின் பாசம்

வாழ்க்கை

நதியில் பயணிக்கும் இலை போல் விதியில் பயணிக்கும் வாழ்க்கை
எவ்விதம் முடியும்!! எவருக்கும் தெரியாது இருந்தும் பயணிப்போம் வா
இலக்கை நோக்கி

நிழல்

காற்றில் அழகாய் அசைகிறது மரத்தின் கீழ்
நிழல்

அப்பாவின் சட்டை

அப்பாவின் அழுக்கு சட்டை அதில் திருடிய **50** ரூபாய் எவ்வளவு
துடைத்தாலும் அதில் என் கைவிரல் களர போகவில்லை இதுநாள்வரை

வெயில்

சில்லென்ற மழைக்காலத்தில் சில்லென்று அடிக்கும் வெயில்
சொல்லொன்று சொன்னது என்னிடம் நில், என்னை கவனி, பிறகு
செல்!!

Yogieswaran
II YEAR



SPILT WORDS OF MOUTH

BURNT WOUND TAKES TIME TO HEAL
HARSH WORDS MAKE HARD PEAL
THOUGH TONGUE IS BONELESS
WORDS UTTERED ARE ENDLESS.

SPILT LIQUID LEAVES STAIN
MEANINGLESS WORDS ARE NO GAIN
HARSH WORDS CAUSE PAIN
GENTLE WORDS ARE CONSIDERED MAIN.

BURNT WOUND LEAVES A SCAR
HARSH WORDS, ONE'S LIFE, MAR
THEY'RE SPOKEN IN A FRACTION OF A SECOND
LEAVING ONE TO SUFFER WITHOUT END.

SIVASHANKAR
II YEAR



NATURE, SCIENCE & TAMIL

Science is after all the study of nature. Thomas Huxley translated the German poet Von Goethe who famously defined nature in the 18th century and I quote: "Nature! We are surrounded and embraced by her, powerless to penetrate her and powerless to separate ourselves from her." Those amongst us who marvel at the wonders of Nature have always asked the question, where did everything we see around us come from? This leads to further questions, questions on the origin of the Universe, questions on the origins of life on earth, which have no concrete answers.

All the natural elements in Mendeleev's Periodic table were the Earth's Treasures.

Nucleosynthesis is the privilege of the Stars, our Sun is the most important among them. While trying to trace the ascent of Man, Jacob Bronowski describes the formation of Carbon so essential for life and I quote: ".... in all the stars there are on-going processes which build up the atoms one by one into more complex structures. Matter itself evolves. The word comes from Darwin & biology, but it is the word that changed Physics in my lifetime." Bronowski further reflects on the formation of Carbon, so essential for life, "The formation of Carbon atoms happens when three helium nuclei collide for one millionth of a millionth of a second, (i.e.) $1/1000000000000$ of a second. Every carbon atom in every living creature is the result of such a wildly improbable collision. Life & Science are indeed improbable, a chance event in our solar system evolutionary history, which reminds me the famous quote of tamil saint "அரிது அரிது மானிடராய் பிறத்தல் அரிது, அதனினும் அரிது கூன், குருடு, செவிடு, பேடு நீங்கி பிறத்தல் அரிது..."



Manisha rabi
II YEAR

CHOOSE TO BE YOU



*These miracle moments of Life When your last flaw
Becomes your newest adventure When you see that
mirrors In which you saw yourself Is now broken
It is not in one piece. You keep the pieces
together. It is not a single mirror. You see
thousands of you Smiling back at you. Where once
you saw one face Now you can see many faces.
Where once you saw one smile Now you can see many
smiles but the eyes are not tear-stained now On
every edge there is A glorious rainbow A
victorious golden glow In the edge of that
radiant smile The flicker of light Seen only in
the eyes Of whom have been Through the dark The
light which showed them The way out the dungeons
Of their own past The light of Liberation The
ring of Liberty. The moment of Freedom You choose
to be You.*

BHARATHI SELVAN T. R
IV YEAR



PIONEER





WHAT ?

A woman shoots her husband
Then she holds him underwater for five minutes.
Next, she hangs him.
Right after that, they enjoy a lovely dinner.
How?

She took a picture of him and developed it in her dark room

What comes from a mine, is always surrounded by
wood always, and used by everyone.

Pencil lead

A girl has as many brothers as sisters.
Each brother has only half as many brothers as sisters.
How many brothers and sisters are there in the
family?

Four sisters and three brothers



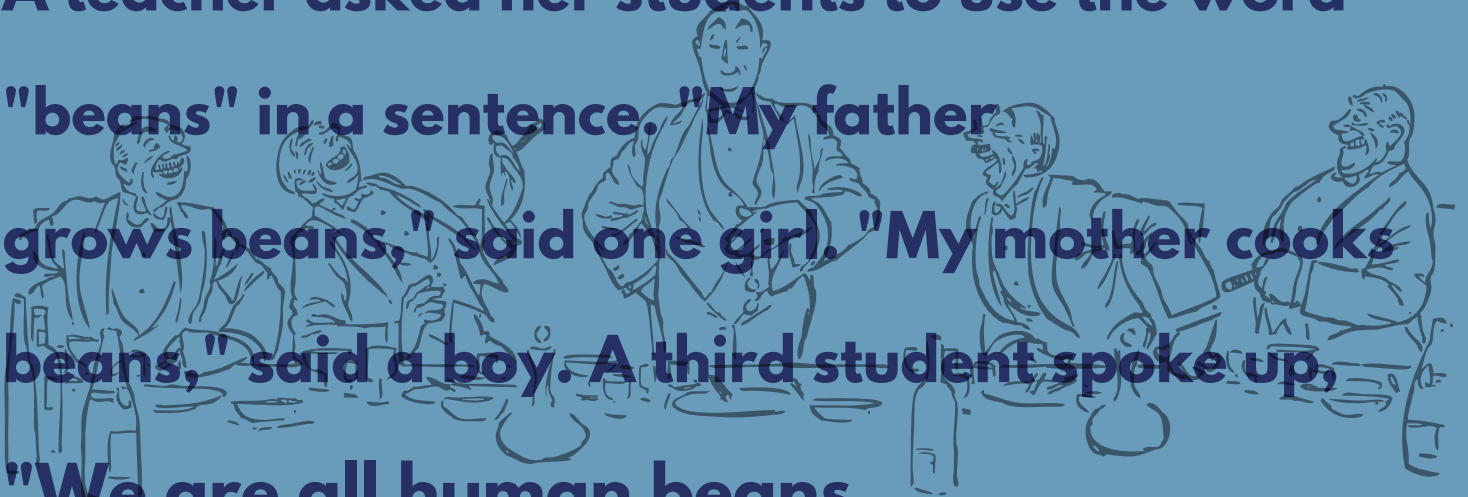
Vishnu padhmakumar
II YEAR



Fun joke!



A teacher asked her students to use the word "beans" in a sentence. "My father grows beans," said one girl. "My mother cooks beans," said a boy. A third student spoke up, "We are all human beans"



ROHITH KANNAH.M
IV YEAR