

# KalaKaushal

Unfolding Arts & Culture

Issue : Jul'19-Jun'20

AY : 2019-20

## Annual College Magazine



*Poems...*

*Stories.....*

*Cartoons.....*

*Art & Paintings.....*

*Technical Articles.....*

# GEETHANJALI

INSTITUTE OF SCIENCE AND TECHNOLOGY

3rd Mile, Bombay Highway, Gangavaram(V), Kovur(Md), S.P.S.R Nellore(Dt)

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CSE



ECE



EEE



CIVIL



MECH

# INSTITUTION VISION & MISSION

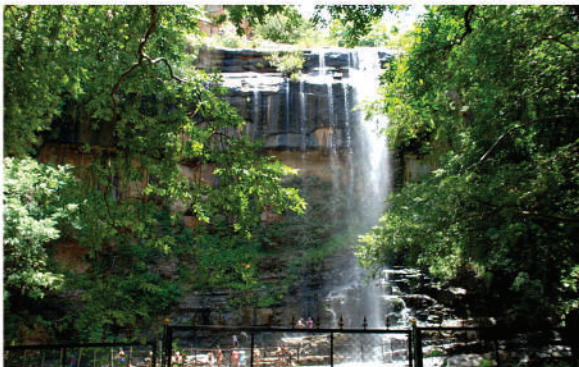
## **Vision:**

- To emerge as a leading Engineering institution imparting quality education

## **Mission:**

- Effective teaching-learning strategies for quality education
- Congenial academic ambience for progressive learning
- Skill development through Industry-Institute initiatives
- Nurturing environmentally conscious and socially responsible technocrats

## **“AESTHETICS”**



# KalaKaushal

Funsational

*Annual College Magazine*  
*2019-20*



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**INSTITUTE OF SCIENCE AND TECHNOLOGY**  
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## Editorial Message

Hailed as the first draft of creativity and innovation, a magazine presents a social and tasteful conversation of a powerful organization, where the refined imaginative sensibilities and abilities of its young personalities go to the front. It holds mirror to the bunch exercises and activities embraced by the foundation to etch the multifaceted characters of adolescents besides being a media platform. On this earth shattering event of drawing out the magazine, we, the publication group, appreciatively recognize the unmistakable assortment of commitments made by the students and the staff.

“All progress comes beyond comfort zone”

## Editorial Board

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# Positive Thoughts- How to Guide

Positive thinking can be achieved through a few different techniques that have been proven effective, such as positive self-talk and positive imagery.

Here are some tips that to get you started that can help you train your brain how to think positively.

## **Focus on the good things:**

Challenging situations and obstacles are a part of life. When you're faced with one, focus on the good things no matter how small or seemingly insignificant they seem. If you look for it, you can always find the proverbial silver lining in every cloud — even if it's not immediately obvious. For example, if someone cancels plans, focus on how it frees up time for you to catch up on a TV show or other activity you enjoy.

## **Practice gratitude:**

Practicing gratitude has been shown to reduce stress, improve self-esteem, and foster resilience even in very difficult times. Think of people, moments, or things that bring you some kind of comfort or happiness and try to express your gratitude at least once a day. This can be thanking a co-worker for helping with a project, a loved one for washing the dishes, or your dog for the unconditional love they give you.

## **Keep a gratitude journal:**

Studies Trusted Source have found that writing down the things you're grateful for can improve your optimism and sense of well-being. You can do this by writing in a gratitude journal every day, or jotting down a list of things you're grateful for on days you're having a hard time.

## **Open yourself up to humor:**

Studies have found that laughter lowers stress, anxiety, and depression. It also improves coping skills, mood, and self-esteem. Be open to humor in all situations, especially the difficult ones, and give yourself permission to laugh. It instantly lightens the mood and makes things seem a little less difficult. Even if you're not feeling it; pretending or forcing yourself to laugh can improve your mood and lower stress.

## **Spend time with positive people:**

Negativity and positivity have been shown to be contagious. Consider the people with whom you're spending time. Have you noticed how someone in a bad mood can bring down almost everyone in a room? A positive person has the opposite effect on others. Being around positive people has been shown to improve self-esteem and increase your chances of reaching goals. Surround yourself with people who will lift you up and help you see the bright side.

## **Practice positive self-talk:**

We tend to be the hardest on ourselves and be our own worst critic. Over time, this can cause you to form a negative opinion of yourself that can be hard to shake. To stop this, you'll need to be mindful of the voice in your head and respond with positive messages, also known as positive self-talk.

Research shows that even a small shift in the way you talk to yourself can influence your ability to regulate your feelings, thoughts, and behavior under stress. Here's an example of positive self-talk: Instead of thinking "I really messed that up," try "I'll try it again a different way."

**Identify your areas of negativity:**

Take a good look at the different areas of your life and identify the ones in which you tend to be the most negative. Not sure? Ask a trusted friend or colleague. Chances are, they'll be able to offer some insight. A co-worker might notice that you tend to be negative at work. Your spouse may notice that you get especially negative while driving. Tackle one area at a time.

**Start every day on a positive note:**

Create a ritual in which you start off each day with something uplifting and positive. Here are a few ideas:

- Tell yourself that it's going to be a great day or any other positive affirmation.
- Listen to a happy and positive song or playlist.
- Share some positivity by giving a compliment or doing something nice for someone.

## WISE WORDS

1.

Imagination is very necessary part of your life,  
It always leads to the edge of success,  
But over imagination hurts your expectations,  
And it leads to the edge of destruction,

Be satisfied with life. But, unsatisfied with  
The results you produce. That's the best way  
to keep growing and discover your hidden potential!  
Life is in constant conflict between love ego.  
love always wants to say sorry but  
Ego always wants to hear it.!  
Unbelievable fact our body is full of water but  
Wherever it hurts, blood comes out.  
Our heart is full of blood but whenever it hurts,  
tears come out.  
If you have a "Magnetic" personality and  
yet people don't get attracted to you  
it's not your fault. They have "Iron" deficiency in  
their bodies.

The best relationship is not the one that brings  
together perfect people. But when each  
individual learns to live with the imperfections of  
others and can admire the other person's good  
qualities

2.

1. The average human life is relatively short.
2. You will only ever live the life you create for yourself.
3. Being busy does NOT mean being productive.
4. Some kind of failure always occurs before success.
5. Thinking and doing are two very different things.  
Success never comes to look for you while you wait  
around thinking about it
6. You don't have to wait for an apology to forgive.
7. Some people are simply the wrong match for you.
8. It's not other people's job to love you; it's yours.
9. What you own is not who YOU are.
10. Everything changes, every second.

## “The Color of Love Marriage: Rose?”

**Love at first sight :** India, popularly and traditionally known as Bharat, is named after king Bharat, a legendary ruler of India. There is a beautiful love story behind his birth. It is based on the love marriage between King Dushyanta and Sakuntala. The king meets Sakuntala in a forest and lo there is love at first sight. (Sakuntala's parenta deserted her soon after her birth and she was under the care of Saint kanva in that forest.) Dushyanta expresses his desire to marry her and with her consent marries her instantly. They unite in conjugal love. The king wants to go back first and then send his people to fetch Sakuntala to his palace.. A son was born to them and he is Bharat, of course, the story takes twists and turns and finally ends happily and Bharat becomes the king.

**A Variety of Marriages :** The point to note in this story is instant love marriage. King Dushyanta explains to Shakuntala that there are eight types of marriages, according to Hindu scriptures. The one which is widely practiced today is Prajaapatya. Gaandharva is marriage among one category of angels viz, Gandhrvaas and it is "Love Marriage" in the sense the decision regarding marriage is taken by the adult and mature groom and bride only and not by others on their behalf. Obviously mutual love is the factor that united Sakuntala and Dushyanta in Gaandharva Marriage.

**Rukmini Kalyanam:** The marriage between Lord Krishna and Rukmini is an example of another kind of marriage, viz, Rakshasa Marriage. In this type of marriage the bride is abducted by the groom and he marries her by force.

The parents of Rukmini decide that their daughter should marry Sisupala, a prince of their choice. But Krishna comes and kidnaps Rukmini. The brother of Rukmini, Rukmi chases him and is defeated in war.

(The exception in the story is that Rukmini sends for Krishna as she wants to marry him. So this is a love story with abduction as a part of it.)



**Swan Diplomacy :** In good old days King Nala loved Damayanti and the “go between” for them was a swan. Though four gods enamored by the beauty of Damayanti, were in competition, the true love of Nala succeeded. Well. There are a number of such stories about love marriages, from days of old to the present day, in any society and Indian society is no exception to it. The difference is only in the number, frequency and percentage. They constitute only about 5% of marriages in India in spite of the mobile and Internet chatting facilities.



**The Modern Indian Mind :** The mental make up of a present day Indian is a lot different from what it used to be a quarter century ago. Globalization brought in keener competition and greater awareness of men and matters. Today children spend more time in school and with home work than with parents. Some are away from them in Residential Schools and Colleges in the name of better career. This definitely weakens the intimacy and the empathy (which is like the protective ozone layer) between them. Only in the absence of this protective-loving-care the person is made to think of himself/herself.

**The West :** In the western societies children are cared for up to a certain age only and then they are left to live on their own. This makes one feel that he/she is an independent unit and it forms the root of love marriage, or finding a spouse by oneself. In the name of schooling, advancement and civilization, the traditional Indian mind is gradually getting alienated from its oneness with the native society and is moving more towards west and love marriage. Here one has to be cautious about infatuation, neurotic and sadistic feelings of love.

**Success of Love :** People believe that love marriages will be more successful as they are based on mutual liking and understanding of each other. But more importantly, the couple should be mature enough to accommodate each other and practice patience to bring in compatibility and make love marriage successful. The irony is that it is very difficult to find out the existence of these qualities before marriage as one sees or shows only the better part of his/her personality to the loved one. So do see and find the color behind the rose to be happy ever after.

**B. Rajendra Singh**  
**Soft Skills Trainer**

## Steps to Improve Communication Skills

Communication is key. Whether written or spoken, reading, or listening, these skills are crucial in any workplace and can make you a better, more effective, and more efficient employee. Here are 9 ways to improve your communication skills.

### **1. Don't beat around the bush:**

Be clear. First and foremost, make sure your point is conveyed and that your message is easily understood. Use specific language, avoid spewing out too many acronyms. When in doubt, imagine you're speaking to someone who doesn't know your company.

### **2. Listen actively:**

The better you listen, the better you are at communication. Before you respond, make sure you've heard and digested what someone is saying. Don't just wait for their mouth to stop moving to make your point.

### **3. Repeat back:**

This is the second stage of active listening. Let the speaker know first, that you've understood them, and second, that you care about what they've said. Do this by repeating what they've said and including their words in your response. Paraphrase back to them to prove that you've heard them loud and clear.

### **4. Use your body:**

When in doubt, or if you have something particularly complicated to discuss, try doing it in person. Face to face, you have the extra benefit of body language and non-verbal cues like gestures and facial expressions, all of which make it easier to avoid confusion.

### **5. Show r-e-s-p-e-c-t:**

Don't multi-task while communicating. Don't be on your phone, or doodling, in the meeting. Make sure what you've said is professional and respectful. Make eye contact and use people's names. Basically, be a human.

### **6. Match the message to the medium:**

If you're better via email, don't try to have that important progress update in your boss's office before you've had your coffee. If it's a sticky situation that requires a nuanced approach, don't just send a flat-toned email when you could finesse the situation with a well-managed in-person conversation. Figure out what it is you have to get across, then choose the medium that suits that message best.

### **7. Know your audience:**

Don't talk to your client as you would your boss. Or your HR rep as you would your best work pal. Match your tone and timing to the person you're communicating with.

### **8. Text smart:**

More and more workplace information gets communicated via text and email. This is another instance where it's best to know your audience and choose the most appropriate medium. Bottom line: never text anything too complicated. That will help you avoid misunderstandings and misinformation. But don't send a big long email to arrange a short meeting either.

### **9. Keep it positive:**

No matter how stressed you are, or how fraught the conversation, try to stay positive. Put your team first. And never make it personal—keep your focus on the professional. Earn a reputation and respect.

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**Dr. S. Ramesh**  
**Asst. Prof. of English**

## **Inspirational Success Stories**

Successful is the desire of all of us residing over this lovely planet. It does not matter whether the concerned person is a child, youth or the old aged, at each and every stage of our wide life span, it is our inbuilt desire to be successful and proceed forward consistently towards more massive success. The mentality of competing with each other can frequently be noticed at any of the places including schools, colleges, coaching, work fields including organizations, offices, etc to name a few.

As a comparison to our efforts towards the works to get success, we often expect much more and want success to knock our doors very soon. If in case, it does not happen, we use to get frustrated and finally get deeper inside the darkness of inferiority. Such a situation has been noticed among most of the people where regular and dedicated efforts have been ignored and merely the failures have been entertained. There stand several such examples all over the world. Most of the iconic personalities have previously faced serious failures in their life's struggles. Yet, they continued on their ways to success and finally achieved massive success in their fields of expertise. No caste, creed, religion or colors stopped them ever in their ways towards success.

### **1. Steve Jobs:**

Steve Jobs has been known as an iconic figure for the establishment of Apple like the biggest company. However, it is extremely shocking to know that the \$2 billion company with over 4000 employees has been started with only two persons in a garage. It is also to be noticed that this great establisher has been dismissed and fired from the company from which he has started his career. Further, realizing his potential and capabilities, Steve Jobs proceeded further towards establishing this biggest company which is famously known as 'Apple'. Sign up for our exclusive newsletters. Subscribe to check out our popular newsletters.

### **2. Bill Gates:**

It was very much important for Bill gates to heed the lessons of failure in comparison to celebrating the joy of success. This great entrepreneur who has established Microsoft like the biggest software company is a dropout student from Harvard. Furthermore, he has also been known for his self-owned business figure known as Traf-O-Data which was one of the biggest failures in history. The entire investment of Bill Gates got vanished and unfortunately, even the education could also not get completed. But, the keen desire and the passion for the computer programming based stuff led him to establish such biggest software company with the brand name 'Microsoft'.

### **3. Sundar Pichai:**

The chief executive of the world's largest search engine Google, has attained global popularity with his poised demeanour, simplicity and dedication towards work. Most young entrepreneurs look up to Pichai for his resilience, polite nature and his ability to stay away from the office politics and drama, which helped him to focus on his career growth and build an influential persona. The success story of the Google CEO is not hidden to the world, knowstartup.com said. Hailing from Chennai, Tamil Nadu, Pichai was born and raised in a two-bedroom house. The successful CEO was a shy kid, as well as, a bright student which got him a seat in the Indian Institute of Technology, Kharagpur. The world is filled with innovative ideas and Pichai shares the same view. He says, at any given time in life, what needs to be focused is that we boast innovative thinking for a better future.

**B.G.V. Phani Madhav**

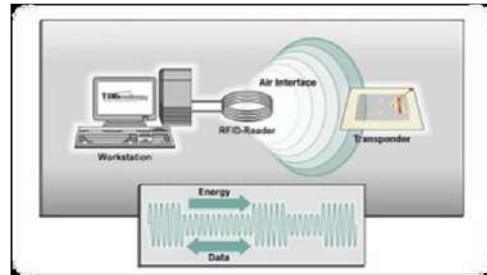
**Asst. Prof. of S&H**

## Electronic Toll Collection

Electronic Toll Collection is a generally mature technology that allows for electronic payment of highway tolls. It takes advantage of vehicle-to-roadside communication technologies to perform an electronic monetary transaction between a vehicle passing through a toll station and the toll agency. This project is implemented using the innovative technology of Radio Frequency Identification (RFID).

Radio-frequency identification (RFID) is a technology that uses communication via electromagnetic waves to exchange data between a terminal and an electronic tag attached to an object, for the purpose of identification and tracking.

An RFID system consists of a reader and transponders. Transponders (derived from the words "transmitter" and "responder") are attached to the items to be identified. They are often called "tags". Radio Frequency Identification (RFID) involves contact less reading and writing of data into an RFID tag's non-volatile memory through an RF signal. The reader emits an RF signal and data is exchanged when the tag comes in proximity to the reader signal. The RFID tag derives its power from the RF reader signal and does not require a battery or external power source.



Each vehicle will be provided with an RFID tag. This transponder (tag) stores the unique ID of the vehicle and related information. When interrogated by a reader, it responds with that data over a radio frequency link. The readers are fixed in the toll gates. So when the vehicle comes near the reader, the data from the tags can be easily read by the readers. This data is passed to the computer and thus the cash can be deducted from the user's account.

RFID is a wireless link to uniquely identify tags. These systems communicate via radio signals that carry data either unidirectional or bidirectional. The tag is energized by a time-varying electromagnetic radio frequency (RF) wave that is transmitted by the reader. This RF signal is called carrier signal. When tag is energized the information stored in the tag is transmitted back to the reader. This is often called backscattering. By detecting the backscattering signal, the information stored in the tag can be fully identified. RFID systems are comprised of two main components RF reader and RF Tag.

The RFID tag, or transponder, is located on the object to be identified and is the data carrier in the RFID system. Typical transponders (transmitters/responders) consist of a microchip that stores data and a coupling element, such as a coiled antenna, used to communicate via radio frequency communication. Transponders may be either active or passive. Active transponders have an on-tag power supply (such as a battery) and actively send an RF signal for communication while passive transponders obtain all of their power from the interrogation signal of the transceiver and either reflect or load modulate the transceiver's signal for communication. Most transponders, both passive and active, communicate only when they are interrogated by a transceiver.

Passive RFID either 1) reflects energy from reader or 2) absorbs and temporarily stores a very small amount of energy from the reader's signal to generate its own quick response. In either case passive RFID operation requires very strong signals from the reader and the signal strength required from the tag is constrained to very low levels by the limited energy. On the other hand active RFID allows very low level signals to be received by the tag, and the tag can generate high level signals back to the reader, driven from its internal power source. Active RFID tag is continuously powered, whether in the reader field or not.

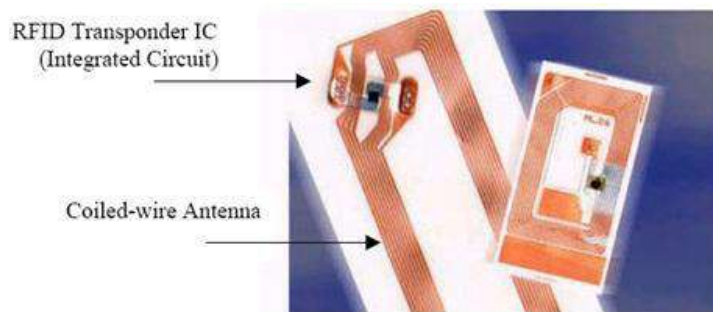
The selections of active or passive tag affect factors like range of communication, data storage capacity, sensor ability etc. If the tag is active the reader can spot more tags within seconds than the passive tag, but as the cost is compared the passive tags are cheaper than the active tags. The life of the passive tags are more than the active tag because, active tag requires tag power supply within the chip.

## **RF READER**

The interrogator consists of a reader and data processing subsystem. The RFID reader, or transceiver, which may be able to both read data from and write data to a transponder. The data processing subsystem which utilizes the data obtained from the transceiver in some useful manner.

Typical transceivers (transmitter/receivers), or RFID readers, consist of a radio frequency module, a control unit, and a coupling element to interrogate electronic tags via radio frequency communication. In addition, many transceivers are fitted with an interface that enables them to communicate their received data to a data processing subsystem, e.g., a database running on a personal computer. The use of radio frequencies for communication with transponders allows RFID readers to read passive RFID tags at small to medium distances and active RFID tags at small to large distances even when the tags are located in a hostile environment and are obscured from view. The figure shows handheld and stationary reader modules. The basic components of an RFID system combine in essentially the same manner for all applications and variations of RFID systems. All objects to be identified are physically tagged with transponders. The type of tag used and the data stored on the tag varies from application to application. The RF field generated by a tag reader (the energy transmitter) has three purposes:

1. Induce enough power into the tag coil to energize the tag.
2. Provide a synchronized clock source to the tag.
3. Act as a carrier for return data from the tag.



**M. Sivakrishna**  
**Asst. Prof. of ECE**

# Virtual Reality

Virtual reality is an automation which is often regarded as a natural extension to 3D computer graphics with advanced input and output devices. The integration of this new technology with software systems for engineering, design, and manufacturing will provide a new boost to the field of computer-aided engineering. One aspect of design and manufacturing which may be significantly affected by virtual reality is design for Endorsement. This paper presents a research effort aimed at creating a virtual reality design environment website. Today, marketers benefit greatly from using virtual reality in advertising. The first and the most important advantage of VR ads is that they help to create a certain emotional connection with customers. Virtual reality ads are so interactive and realistic that consumers feel like they're playing an engaging video game. This special issue is dedicated to highlighting recent advances in VR software and technology for Endorsement or Advertisement purpose.



The article "Endorsement with Virtual Reality" presents a novel method that focuses on Virtual Reality techniques that are becoming more widespread and Endorsement is one of the fields which can benefit from their use.

Virtual Reality (VR) is on the verge of becoming commodity hardware available to the average user and feasible to use as a tool for 3D work. Some VR include front-facing cameras, enabling Augmented Reality (AR) functionality. Apart from avoiding collisions with the environment, interaction with virtual objects may also be affected by seeing the real environment. However, whether these effects are positive or negative has not yet been studied extensively.



Although virtual reality (VR) has a huge success in increasing the quality of scientific visualization applications, there is a considerable lag in the development of VR applications in the case of information visualization. Some researchers claim that 2D representation are enough for data analysis; however, in the case of multi dimensional datasets, other researchers indicate that studying multiple dimensions simultaneously is advantageous. Virtual reality interfaces have been used successfully for many years in the field of scientific visualization, with hundreds of both commercial and academic software systems created in the field of astronomy, physics, chemistry, biology, medicine, and engineering. Virtual and augmented reality could change the world.

Through full immersion, users can live out stories they've only ever dreamed of, be transported to an exotic place without leaving their house and interact with products as if they were viewing them in actual reality. The technology seems like the next step in media progression - it started with print then moved from photo to video, and full immersion would complete the circle of escapism and experience that media companies have strived to create for decades.

## **HISTORY OF VR**

Virtual reality has beginnings that preceded the time that the concept was coined and formalised. In this detailed history of virtual reality we look at how technology has evolved and how key pioneers have paved the path for virtual reality as we know it today.

### **Panoramic paintings :**

If we focus more strictly on the scope of virtual reality as a means of creating the illusion that we are present somewhere we are not, then the earliest attempt at virtual reality is surely the 360-degree murals (or panoramic paintings) from the nineteenth century.

### **1950- Morton Heilig :**

In the mid 1950s cinematographer Morton Heilig developed the Sensorama (patented 1962) which was an arcade-style theatre cabinet that would stimulate all the senses, not just sight and sound. It featured stereo speakers, a stereoscopic 3D display, fans, smell generators and a vibrating chair. The Sensorama was intended to fully immerse the individual in the film.

### **Timeline:**

Invented in the 1950s, VR's development has experienced peaks and troughs. The first VR head-mounted display (HMD) system, The Sword of Damocles, was invented in 1968 by computer scientist Ivan Sutherland and his student Bob Sproull. Meanwhile, the term "virtual reality" was popularised by Jaron Lanier in the 1980s. Ten years later, VR was used for training and simulation in the US military and the National Aeronautics and Space Administration (NASA). Mass production of VR systems began in the early 1990s, led by Virtuality, which opened dedicated VR arcades.

Contemporary VR devices emerged with the introduction of the PC-connected Oculus Rift prototype in 2010. Between 2014 and 2017, the market progressed from PC-tethered headsets (e.g. the HTC Vive) to console-tethered headsets (e.g. Sony's PSVR) and mobile-tethered headsets (e.g. Samsung Gear VR and Google Cardboard). Untethered headsets (e.g. Oculus Go, Lenovo Mirage Solo, and HTC Vive Focus) arrived in 2018, making VR an independent platform.

**P. Radhika**  
**Asst. Prof. of CSE**

## Statue of Unity: “Salient features of the world's 'tallest statue’”

Prime Minister Narendra Modi unveiled the ‘Statue of Unity’ in Kevadiya town in Narmada district of Gujarat on the birth anniversary of Sardar Vallabhabhai Patel. This project was first announced on 10 October 2010 by the then Gujarat government by a special purpose vehicle-Sardar Vallabhabhai Patel Rashtriya Ekta Trust (SVPRET). The iron needed for the statue and other structures was collected from farmers of villages all around India in a form of donation of their used farming instruments.

### Features of ‘Statue of Unity’:

**Height**– 182 metres, this makes the statue almost twice the height of the iconic Statue of Liberty in New York.

**Location**– around 3.5 km downstream from Sardar Sarovar dam, on an islet **Sadhu Bet** on the bed of River Narmada.

**Cost**– Rs. 2989 crore.

**Sculptor**– **Padmama Bhushan Ram**

**V. Suthar**, a 93 year-old acclaimed sculptor.

**Construction period**– 34 months work began on December 19, 2015.

**Materials consumed**- 70,000 tons of cement, 18,500 tons of reinforcement steel, 6,000 tons of structural steel and 1700 tons of bronze which was used as outer cladding of the structure.

**Specialities:** The statue is slender most at the base, which goes against the norms of what other tall statues have followed. The walking pose also opened up a gap of 6.4 metres between the two feet which then had to be tested to withstand wind velocity.

It is constructed by L&T and has 5 zones of the statue. Up to its shin is the first zone, comprising three levels, including an exhibit floor, mezzanine and roof. This zone will contain a Memorial Garden and a large museum. Zone 2 extends up to the statue’s thighs at 149 metres, while Zone 3 goes up to the viewing gallery at 153 metres. Zone 4 comprises the maintenance area and Zone 5 the head and shoulders.

Engineered to withstand wind speeds of up to 50 m per second (almost 180 km per hour wind speed)

The viewing gallery can accommodate up to 200 people at a time.



**P. Sanath Kumar**  
**Asst. Prof. of CE**

# **DOES GREEN BUILDING IS REALLY GREEN IN COLOUR OR SOMETHING ELSE ??**

## **“WHAT IS GREEN BUILDING”**



If we do ask any children what is Green Building, they will literally answer you a building that is colored in green paint. In reality a Green Building is a course of action defining to the building construction and also known as the green construction. It is a process adopting an environmentally green scheme of designing, construction and operation of sustainable building practices. These practices of Green Building expand and compliment the classical building design concerns of economy, utility, durability and comfort.

As always said, technology updates every single minute across the globe and while man has always been conducting research on how to best make life easier, technology these days offers us a number of luxuries and breakthroughs in terms of home or industrial functions. And although new technologies are constantly being developed to compliment and in accordance to the current practices in creating greener structures, the common objective is that green building are designed to reduce the overall impact of built environment on human health and the natural environment by saving energy and water, reduce waste and pollution that is particularly for the living environment. Green Building and technology is applied and practiced varying from region to region following essential principles deriving from methodology.

Whilst Green Building concept is adopted in the construction structures, a green building technology produces as well a great cumulative effect. These are the features offered in the innovative smart systems of home automation solutions that controls your household functions in most commonly the lights and air conditioning that which are the vital utility used at every home and in the industries, thus other functions are as well controlled and monitored through a smart green building.

**M. Vivek, III EEE**

## **Don't Underestimate the Power of ..... “voting”**

India is known to be the largest democracy in the world. Sounds good isn't it?? However, in the recent years, we have forgotten the basic principle of democracy. Although some may argue that we have the most efficient and the most robust electoral system to support the Indian democracy, the time has come to introspect and to check whether we have wrongly perceived “DEMOCRACY” to satisfy our vested interest. In today's times, democracy has made us aware of our rights and everybody, across all casts and creeds are fighting to get their democratic rights. In this aggressive fight for democracy, we have forgotten the might of democracy. The might or strength of democracy, not only lies in the “right” of every citizen but also encompasses the “duty” of every citizen to keep the democracy alive and healthy. If we have to put things in the right perspective, we have to go back to the original definition of the word “Democracy” which is a government “of the people, by the people, and for the people”. Considering this as the basic principle of democracy, are we on the right track??? The answer is ..... “May be not” and the major reason for our deviation is that every eligible citizen of the country is not involved in the process of making the government so it is not really a government “by the people”. “Right to Vote” is the biggest right that we as citizens of India are bestowed with. However, it need not be forgotten that rights and duties go hand in hand. Therefore “VOTING” should be our biggest duty which would result into a democratic nation in its real sense.

We as Indians take pride in criticizing every government and our hatred has reached so far that we have made a notion that every government is suppressive and the entire system is corrupt to the core. For the sake of an argument, even if we assume that this observation is correct to a certain extent, if we reach to its root cause, we may find ourselves guilty for this situation because we are the ones who have elected this government. In fact, the people who have willingly stayed away from voting are the ones who should be accused for indirectly helping the misfit people to govern us. It is high time we realize that “VOTING” is no longer a right but a duty of every proud Indian citizen. We, as a country dream of being a super power by the year 2030 but it is going to be converted into reality only with a consistent, dedicated effort and contribution of every Indian. To initiate a step forward in the right direction, let's all pledge to consciously exercise our duty to vote at the time of every election whether small or big, whether local or central.

Election does not only mean that you have to give your vote to the contesting candidates of parties, but the “Election Commission of India” has also given us an option to vote as “NOTA” which means “None of the above” by doing this we can raise our voice against the misfit or the corrupt politicians and throw them out of the system. It is therefore a need of the hour that all of us should register our vote either to “Somebody” or “Nobody” and make our nation a truly democratic.

**“RIGHT TO VOTE IS PRECIOUS, DON'T WASTE IT”**

**B.G.V. Phani Madhav**  
**Asst. Prof. of S&H**

## **1. My Trip in a Time Machine :**

Wow! Yeah! Yeah! I found time machine. I can't believe this. This is incredulous! I want to test whether it really works or I am dreaming! Hmm, I would like to go to the time when dinosaurs used to live on land but they must be herbivores! I want to know about different breeds of dinosaurs and I will observe their way of living and after that I will try to know how the dinosaurs species were extinct from the earth. I will return to my past place then after I will go the century, where the industrial revolution first took place and then I will meet the world renowned scientists, philosophers, doctors, mathematicians and the experiments that are done to prove their theories that made the world awe-struck and changed the shape of the world. I would like to visit the holy temples ,mosques ,churches ,Buddhist and jainist temples and how the great persons(god) give their spiritual speeches to enhance the reality to the people and I would like to meet the main persons who are responsible for war and made them realize how the people will suffer. It may be impossible to stop them but I will try. I would like to visit the most serene and beautiful natural place which have a beautiful flower garden and a small stream of water falls and the chirping of birds with a pleasant and fresh air.

I would like to go to my ancestors period and want to know how hard they struggled for the family and also want to know traditions and rituals of my own family. It's a prodigious and everlasting moment in my life. I would like to go to the future and want to know how the environment and technology has changed. By that I can save my present and future generations by informing the malice effects that we people going to face in future.

### **◆ My trip in a time machine**

Can definitely help to construct a barrier that can Change our earth's past and Future in a better way!!!

**P. Tharun Kumar, III ME**

## **2. Let's Recycle the PLASTIC Guyz!!**

One day ,My teacher told me about article writing in my college for Annual Day magazine. Then I was thinking what should I write about? staring(looking continuously) at my pen, then I got an idea! Actually what we do after completion of ink in refill I threw it away which is made of plastic but I cannot afford to fountain pen! So why don't we recycle this plastic!! According to a survey around 60% of people use stationary like pens, clickpencils, sharpners, scales, leadboxes... what not ? But much of them is plastic. So it's good if we keep some Bins/Boxes for collecting all this plastic scrap like pens..(above mentioned items).

After collecting Once in three months the collected material is sent to factories for recycling purpose. So that as a compliment every kid(guy) would get a free pen in return for their contribution for a eco-Healthy activity. This is a small start but I hope if we implement this we can give something in return for our beloved ENVIRONMENT . It's high time dear , Let's start this today itself!!! No other will come and do something its we have to do for our environment!!

**P. Sri Vidhya, III EEE**

### 3. Does Money Make Many Things ?

Now-a-days people work like machines just to earn more money from more than one source and they feel that they can get everything with money. In trying to earn money they miss small and precious pleasures that life offers to humans.

There is no end to that want of earning. And at a peak stage, they feel that they are the only persons responsible for their huge success. But it is sad that at that stage most of the people forget taking care of their parents and other family members, supporters, and friends who made them strong to be in that position and overcome the difficulties that life poses them.

There is a saying "Money makes many things" which may be good or bad depending on how we use it. Now, people earn lakhs of salary per month. Are they happy with that money? No, because they miss something, something which money cannot buy. Something which they cannot have by just working like a machine i.e., they miss the feel of being alive and spend the quality time with family.

How much money should a person earn in his life? It is enough if he earns to satisfy the basic needs of the family and education and future of the children. But people wish to have a lavish and luxurious life. With this aim they work like slaves and become slaves of money. At the end, they realize that they couldn't take even a single rupee with them. The great Alexander is the best example for this. This is the reality of life. Depending on how you use money can either free you or enslave you. So, let's spend money wisely by donating some to the needy. With this perspective, if a person earns there will be no regrets due to lack of money. And we can spend time with our beloved parents who gave us such a wonderful life and this world. Money is only something that we need but not everything.

**M.V.P. Kaveri, III ECE-A**

### 4. Daughter

Daughter is not equal to 'tensions'..... but in today's world daughter is equal to Ten son's.

A father asked his daughter.....

"Who would you love more? Me or your husband ?

The best reply given by the daughter...

"I don't know really, but when I see you..... I forget him..... When I see him..... I remember you "

U can always call your daughter as "BETA"...

But you can't call your son as "BETI".....

That's why daughter's are very special.....

Daughter's are happiness. Daughter's are Angels.

Daughter's are like parrots in your house.

**When she speaks without a break :-**

Everyone says "will you please keep quiet for sometime" ?

Father says "why there is so much of silence" ?

Mother says "Are you fine my child"?

Brother says "Are you angry with me"?

When she is married..... everyone says that all the happiness has gone from the house.....

She is the real nonstop music in the house.

She is emotional, cute, pretty, sweet and sincere always.

Her presence is never remembered.... But her absence makes all the things tasteless..

Every parent either mother or father must be proud of having daughter in became little unhappy having only sons.. That is the speciality of daughter..

**K. Krishnaveni, IV CE**

## 5. Your life :

All the world and society who calls me with my father's identity, may get know who am I ? I should change their views on my identity.

When the whole world calls my father with my identity as father of me, then I have succeed in my life & then I can have my own attitude and identity.

When your ideas are runs faster in your mind, give participation to your heart it faster than your mind then you succeed reading your destiny.

Eyes only can see what's the vision happening before you, but your soul can see what is happening behind that.

- ◆ I am the soul heaker, who can heak my heart, which can't done by any one.
- ◆ Before you do something, ask your heart to think what to do?
- ◆ I can change my thoughts & ideas from negative to positive when I use my heart instead of mind.

Why should we ask what to do, ask your soul it can say what to do with your thought. Because your soul is the best friend to you, which is with you until your last breath and never forever...leave you.

**" It leads you, It rules you, it guides you towards your life"**

- ◆ At the time of running, why your heart is running with your frequency?
- ◆ Why our heart break the walls , when we are in a sad situation?
- ◆ Why our heart is a symbol of true love?

The answers to all these Questions is only to your soul heart, which moves you forward in to the new world.

"Be like you, Be with you  
Don't change you & your attitude for any one  
If you change  
You lost your soul & your own identity"

**It's a fact:**

" no one rules me I'm the ruler of my soul."

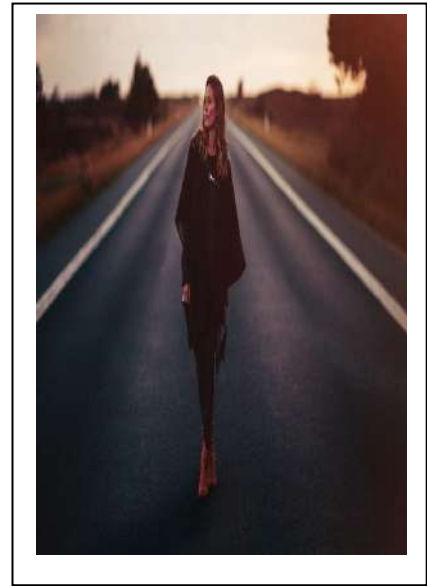
**My slogan to get success:**

If I am clear, I don't fear.

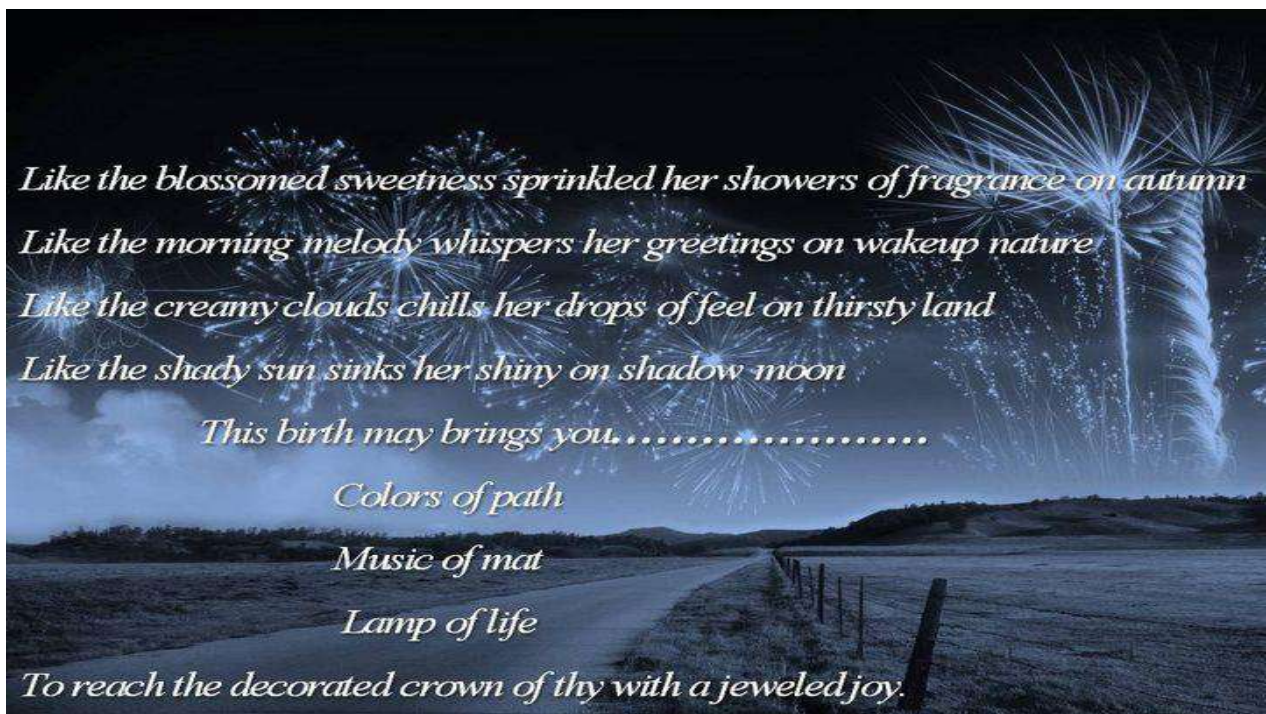
**Vineesha, II CSE-A**

## **EMPTY ROAD - PLENTY THOUGHTS**

The way I am going will be changed to dark now  
One day it will be the crackers of sparkled colours  
Though my destiny is so long,  
My aim is too hard,  
But my will is so strong,  
One day this way is full of greenery,  
On The day my life is full of sorrow free,  
One day this sky is full of sparkled colours,  
One day my life is full of gladdened showers,  
Today it is empty way as like my mind,  
One day my mind is full with glory as like  
this way with vehicles, Now I started a walk on  
a empty life with crowdly thoughts.....  
One day I reached a crowdly life with plenty thoughts.



**By Sk. Dilkusha**  
**Assistant Professor, CE**



**By P Bhanu Sri,**  
**Assistant Professor, CE**

# Poems

## Law Of Success

There is no more dangerous person  
dangerous to himself and to others than  
the person who passes judgment  
pretending to know facts.

To love praise, but not worship it, and fear  
condemnation but not go down under it,  
is evidence of a well balanced personality.

The person who sows a single beautiful  
thought in the mind of another,  
renders the world a greater service than that  
rendered by all the faultfinders combined.  
There is no lazy man. What may appear to be  
a lazy man is only an unfortunate person  
who has not found the work for which  
he is best suited.

Congratulate yourself when you reach that  
degree of wisdom which prompts  
you to see less of the weakness of others and  
more of your own, for you will then be  
walking into the future of really great.

**P. Sumanasree, II EEE**

## Sea Song

I found a shell, a curly one,  
Lying on the sand,  
I picked it up and took it home,  
Cold inside my hand.

Mummy looked at it and then  
She held it to my ear,  
And from the shell there came a song,  
Soft and sweet and clear.

I was surprised - I listened hard ,  
But it was really true.  
I wish you'd find a nice big shell  
And hear it singing too!

**Vanaja, III ECE**

## College Campus

### 1 st year

New entry  
Respecting professors  
Waiting in the class  
Students introductions  
Innocent faces  
Silent tables  
Getting arrears

### 2 nd year

Forming gang  
Last bench rockers  
Window sightings  
Giggling in the middle  
Outstanding students  
Donating fine for ID cards  
Group study  
Clearing arrears

### 3 rd year

Often absent in the class  
Frequent presence in canteen  
Mocking with friends  
Getting suspenses for vacation  
Outing with friends  
Sleeping in exam hall  
Speaking in class hours  
Show off among juniors  
Everrocking Prefinal years  
Waiting for **final year**

Thanks we the terrific Third Years

**N. Pravallika, III CSE-B**

## A Poem For Mom

You are the sunlight in my day,  
You are the moon I see far away.  
You are the tree I lean upon,  
You are the one that makes troubles be gone.  
You are the one who taught me life,  
How not to fight, and what is right.

You are the words inside my song,  
You are my love, my life, my mom.  
You are the one who cares for me,  
You are the eyes that help me see.

You are the one who knows me best,  
When it's time to have fun and time to rest.  
You are the one who has helped me to dream,  
You hear my heart and you hear my screams.  
Afraid of life but looking for love,  
I'm blessed for God sent you from above.

You are my friend, my heart, and my soul.  
You are the greatest friend I know.  
You are the words inside my song,  
You are my love, my life, my Mom

**Krishnaveni, II ECE-B**

## Love Yourself

All the teens hear aloud and aloud,  
Obligations are imminent wake and  
awake,  
Hear aloud and hear prudent,  
Ponder a lot and ponder a big.  
Conjecture quick and work stiff,  
Grasp the good and vacate bad,  
Know yourself be yourself,  
Arise and awake like a sun.  
Know the change, be the change,  
Lift up the thought of change,  
Cross the snag catch the grail,  
Love yourself like yourself.

**E. Lahari, III CE**

## Rising Heart

We'll shine like the Sun  
We dream to touch the sky  
to touch the sky

We'll gather drop by drop  
and flow away with the sea  
away with the sea  
we're here right now  
but we want to be beyond now  
Don't think we Can't  
were determined and obsessed too  
Say it out loud  
I've one life and a hundred desires  
I will fulfil their one by one  
Nothing can stop us now  
"The right is amazing"  
Happiness is miles away  
My eyes looking for the light in the dark

Hope is what.... dwells in my heart

I'm not giving up- no matter what the  
World Says.

**M. Prem Kumar, III ME**

## Dark Secret in Heart

Whenever clouds of pain loomed  
When ego cast a shadow  
When the tears veiled up  
When the lonely heart Shuddered  
I asked the heart why do you cry?  
That's how it happens in the world.  
These deep silences,  
Time has given them to everyone  
A little sadness is everyone's tale  
A little sunshine is everyone's share  
Your eyes are moist for no reason  
Every moment is a new Season  
Why you lose moments like this ?  
HEART, why do you cry?

**Rajeswari, III EEE**

## ఆడపిల్ల

అమ్మ గర్భంలో పుట్టిన నేను  
నాన్న ఒడిలో ఆడిన నేను  
అన్నతో కలిసి బడికి వెళ్ళిన నేను  
స్నేహితులతో కలిసి చదువుతున్న నేను  
ఆడపిల్లాగా పుట్టిన నేను  
తల్లిదండ్రులకు మంచి పేరు తెస్తానని మాట ఇచ్చిన నేను  
కష్టపడి చదివి మంచిపేరు తెచ్చుకోవాలని  
మళ్ళీ ఓ ఆడపిల్లకి జన్మనివ్వాలని  
అనుకోవడం తప్ప  
మరి ఏమి చెయ్యగలను  
Save Girl child! Save the world!!

**Ameena, II CSE-A**

## నా కోరిక

- చుట్టూ ఉన్న ఈ ప్రపంచాన్ని చూసే నీ కళ్ళకి  
నేనే ప్రపంచం అవ్వాలని నా కోరిక  
ముద్దు ముద్దుగా మాట్లాడే నీ పెదవులకి  
నా పేరే జపమాల అవ్వాలని నా కోరిక  
కల్పపం లేకుండా ప్రేమతో నిండిన నీ మనసుకి  
నేనే గుండెచప్పుడు అవ్వాలని నా కోరిక
- నిన్ను చూసిన క్షణమున మారాను ఓ శిలలా  
తెలియదు నాకు ఎందుకు నా గుండె ఎగిసిపడుతుందో ఓ అలలా !  
నీతో ఉంటే విశ్వం అంతా అందంగా ఒక వింతలా  
నా ప్రేమను ఒప్పుకుంటే జీవితాంతం తోడు ఉంటా నీ నీడలా !!

**P. Ravi Kumar, III ME**

## నేస్తాలంటే ఇష్టం నాకు

ఒక స్నేహం సూర్యోదయం నాకు...  
నాలోని ఆలోచనల్ని మేల్కొల్పుతుంది  
ఒక స్నేహం పున్నమిజాబిలి నాకు...  
అలసిన నామనసుని తనజళ్ళో జోకొడుతుంది  
ఒక స్నేహం చల్లనిగాలి నాకు....  
తనచేతులలో నాకు గిలిగింతలు పెడుతుంది  
ఒక స్నేహం ఊపిరినాకు. మరో స్నేహం అల్లరినాకు  
ఒక స్నేహం సంతోషం నాకు,  
మరొక స్నేహం బాధని పంచుకునే బంధం నాకు  
ఎటూ చూసిన స్నేహాలే నాకు  
అందుకే నేస్తాలంటే ఇష్టం నాకు..

**Ch. Ajith Kumar, II EEE**

## మాధవీయం

ఓ నా గీతాంజలీ  
చదువుల సరస్వతి క్రీడా రూపిణి కళల భాషిణి విజ్ఞాన  
ప్రదర్శిని  
గుడి నీవే బడి నీవే  
ఆలోచన నీవే ఆశయం నీవే  
ప్రయత్నమూ నీవే విజయము నీవే  
విద్యార్థి భవితకు మార్గం నీవే  
మా శక్తి యుక్తులకు నిదర్శనం నీవే  
అనుక్షణం అమ్మ ప్రేమను కొసరి కొసరి చూపిస్తూ  
తప్పులను మన్నించే నాన్నక్షమా గుణాన్ని గుర్తుకు తెస్తూ  
మా భవిష్యత్తుకు బాటలు వేస్తున్న ఓ నా నేస్తమా  
నీకు వందనాలు పాదాభి వందనాలు  
తల్లిదండ్రుల వలే చూసుకునే గురువుల్ని  
ప్రతీ విషయంలో మాకు అండగా నించునే నిర్వాహకర్తలని  
అనందంతో పాటు ఆప్యాయత పంచే స్నేహితుల్ని  
ఇవన్నీ అక్కరకు చేర్చిన నీకు  
ఏమిచ్చి ఋణం తీర్చుకొను  
పారె నీరు నుండి వీచే గాలి వరకు  
ఈ ప్రపంచంలో ఏది ఆగిపోకూడదని లక్ష్యనిర్దేశం చేసావ్  
మా లక్ష్యానికి బాటలు పరిచావ్  
ఆ చల్లని కాంతితో నలుగురూ హాయిగా ఉండాలని  
ఎల్లప్పుడూ చంద్రునివలే కాంతులు వెదజల్లాలని  
కోరుకొనే ఓ నేస్తమా నీకు వందనాలు  
ఉన్నత శిఖరాలకు చేర్చాలనే నీ తపన  
దాని కోసం పది సంవత్సరాలుగా అలుపెరగని నీ పోరాటం  
నేను చదువునే కాదు సంస్కారం సహితం అలవరుస్తానని  
ఆడ బిడ్డలకి ఫెమినా వింగ్ పెట్టి  
సేవ భావంతో ఎన్ఎస్ఎస్ ని నడుపుతూ  
ఎనలేని స్ఫూర్తిని నింపిన  
ఓ నేస్తమా నీకు వందనాలు  
అనురాగాన్ని ఆప్యాయతను పంచిన నీకు  
నీ కలలు ఆశయాలు నెరవేరాలని  
మరణం లేని మరపురాని  
నీ ఆశయాలలో మేము ఒక భాగం కావాలని  
గీతాంజలీ అంటే మండే అగ్నిగోళమని  
ఆ అగ్నికణాలు అందరిని తాకాలని  
ఎప్పుడు నెంబర్ వన్ గా నిలవాలని  
దృఢంగ బలంగా కోరుకుంటున్నా

**A. Chandana, III CE**

## కాలం

గుండెగనవీడుల్లో తిరుగుతున్న  
మా ప్రాణమా!  
నీపాదంతాకి పులకరించిపోయే  
మాలోగిళ్ళు...!!  
తొందరగారా ఈ భూమి మీదకి  
మీనాకూతురా!!!

కోట్లాది జీవరాశులకు ప్రాణం పోసి  
ఓ సూర్యదేవా!..  
తనకు నన్ను ప్రేమగా చేయి!!  
మా చేత నువ్వు కొండగుండె  
మల్లెపూలతో పూజింపబడు గాక!!!

గుండె బావుల్లో నింపుకున్న నాప్రేమ!  
నన్ను ముంచకు నాబంధమా!!  
నన్ను వదలకు నాస్నేహమా !!  
నా చెయ్యి వదలకు రేపటికాలమా  
ప్రాణం ప్రాణంగా ప్రేమించే రోజు  
వస్తుంది అని నాకు తెలియదు!  
ఎప్పుడు పాటలు పాడే మనసు ఇప్పుడు  
మాటలు కూడా మాట్లాడ లేదు!!  
ఎమో ఈ ప్రేమ నాదో నీదో!!  
మనసు నుంచి వచ్చే ఈ కమ్మని మాట  
" నీ పేరే కదా!

Vinay Katari, II ECE-B

## గీతాంజలీ

అమ్మా! గీతాంజలీ.....  
ఆత్మబంధు, అమృత సింధు  
నీకు మేమేమివ్యగలము ?  
నీవు నింపిన స్ఫూర్తితో లోకాన్ని గెలవడం తప్ప!  
నీ కీర్తిని, స్ఫూర్తిని లోకానికి దాటడం తప్ప !  
అగమ్యగోచరమైన భవితను  
నిశ్చయ విధిని పెడుకుతోంటి  
విజ్ఞాన దీపపు వెలుగు పంచి  
దారి చూపి, మమ్ము నడిపి  
చుక్కానివైనావు, ధృవతారవైనావు

రవీంద్రుని గీతాంజలీ లోకానికి మేలుకొలుపు  
గీతాంజలీ కళాశాల విద్యార్థుల గెలుపు పీలుపు  
మము నడిపించే జ్ఞాన నిధులు మా ఆచార్యులు  
క్రమశిక్షణకు మారు పేరు మా నిర్వాహకులు  
వీరందరి కనుసన్నలలో మలచబడిన శిల్పాలు  
మా గీతాంజలీ విద్యార్థిని విద్యార్థులు  
అమ్మఒడిలా ఆదరించి  
తండ్రిలా తడబాటు తీర్చి  
మిత్రుడై మాపెన్ను తట్టి  
ఆత్మబంధువై ఆదరించిన  
అమ్మా! గీతాంజలీ.....  
ఆత్మబంధు, అమృత సింధు  
నీకు మేమేమివ్యగలము ?  
నీవు నింపిన స్ఫూర్తితో లోకాన్ని గెలవడం తప్ప!  
నీ కీర్తిని, స్ఫూర్తిని లోకానికి దాటడం తప్ప

Y.Yamini, III ECE-A

## నీ కోసం

నా హృదయం చేయి జారింది నిన్ను చూసాక....  
నా మనస్సు మూగబోయింది నీ దరి చేరాక.....  
నా అధరం అదిరింది నీ పేరు విన్నాక.  
మరెన్నో మధురమైన క్షణాల కోసం ఎదురుచూస్తుంటా...  
నీకోసం.....నీ ప్రేమకోసం ....

నాలో ప్రాణం నీకై ఎగసి.  
నువ్వంటే ఇష్టం అని చెప్పాలనుకున్న నిన్ను పిలిచి...  
అనందిస్తునా ప్రతి క్షణం నిన్ను తలచి...  
కడదాకా ఉండాలని ఉంది నీతో కలసి...

అనవసరంగా వచ్చింది ఈ వేసవి కాలం ...  
తెలియడం లేదు ఏది అదివారం... ఏది సోమవారం ...  
పైగా మన మధ్య పెంచింది దూరం ...  
అవ్వడం లేదు నిప్పు కలవడం ....  
ఒక సంద్రంలా మారుతుంది మన మధ్య ఈ దూరం...  
ఎంత కష్టమైన సరే చేరుతా నువ్వన తీరం...

అప్పుడప్పుడు మనం కొట్టుకుంటాం..... తిట్టుకుంటాం....  
మల్లి ఎలా ఐనా కలిసి ఉంటాం...  
ఎలాంటి పరిస్థితులలోనైనా చేస్తాం సహాయం...  
వెనకాడం చేయడానికైనా సహాయం ...  
ఎందుకంటే మనల్ని కలిపింది అందమైన బంధం ...  
దాని పేరే స్నేహం..

G. Prem Krishna, II CSE-A

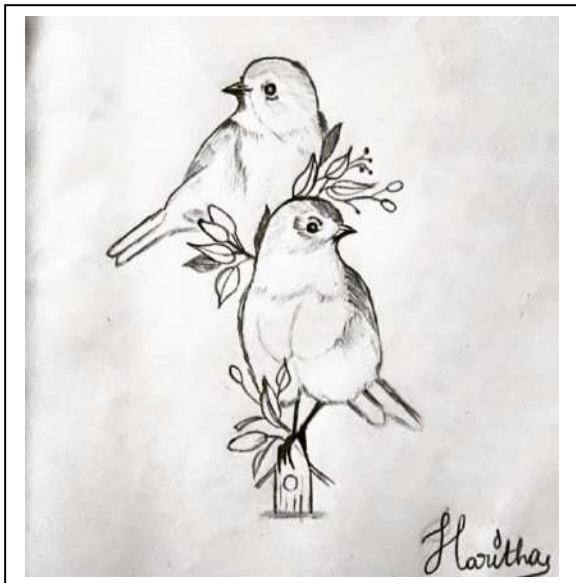
## కవిత్యం

కలము క్రియకాగా లేనిది  
కలము కనకము కాగాలేనిది.  
కలము కలలు కాగా లేనిది  
కలము కవిత కాగా లేనిది  
కారేదా కలము దేశపు కరము....!

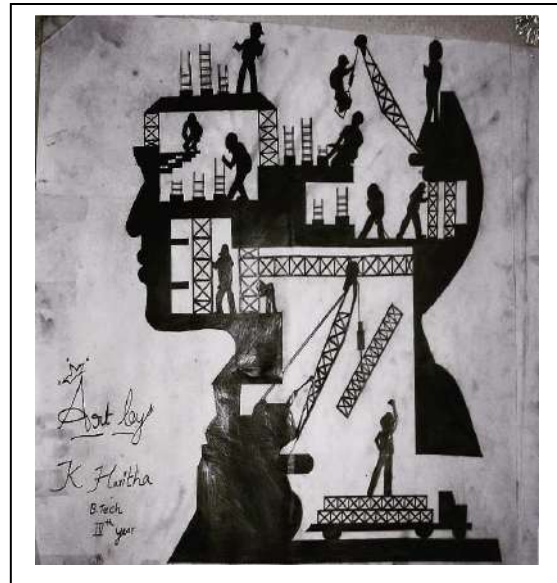
మనసవ్వనీ గమ్మున్నీ  
చురువవ్వనీ ఈ చెలిమిని  
గమ్మంపై మనస్సు పెట్టి  
చెలిమిగా భావించి చేరువదాని...!!

లోకం పోకడలకు చలించిన  
మనస్సు పలికినది  
నీటిలో ఉన్నది నోటిలో పడినట్టుగా  
నోటిలో ఉన్నది చెవిలో పడినట్టుగా  
చెవిలో ఉన్నది మనసులో పడినట్టుగా  
మనసుల్లో ఉన్నది కంటి చమ్మగా మారుతున్నది

Y. Jayanth, III EEE



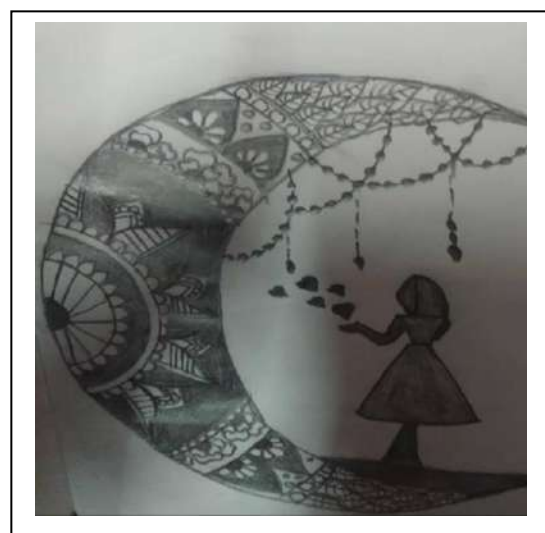
**Koduru Haritha**  
IV CE



**Koduru Haritha**  
IV CE



**Attivarapu Lakshmi Kavya**  
III CE



**Rachamadugu Manjusha**  
III CE



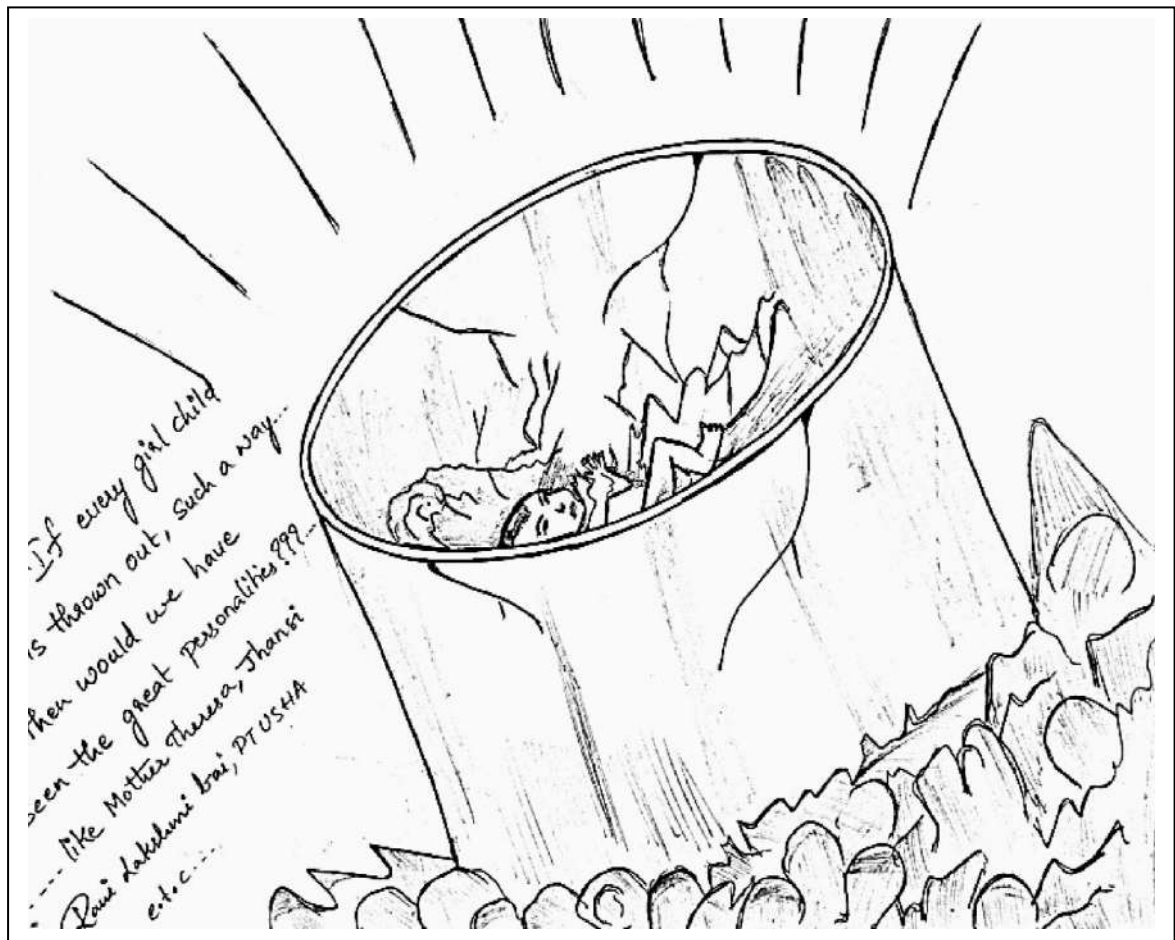
**Bhumireddy Himasai Reddy**  
II CE



**Vemala Vamsikrishna**  
III CE



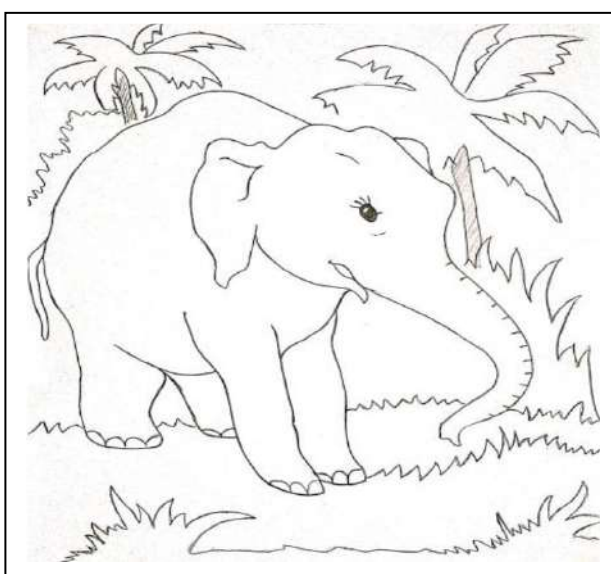
G. Sireesha, III ECE-A



Rajeswari, I EEE



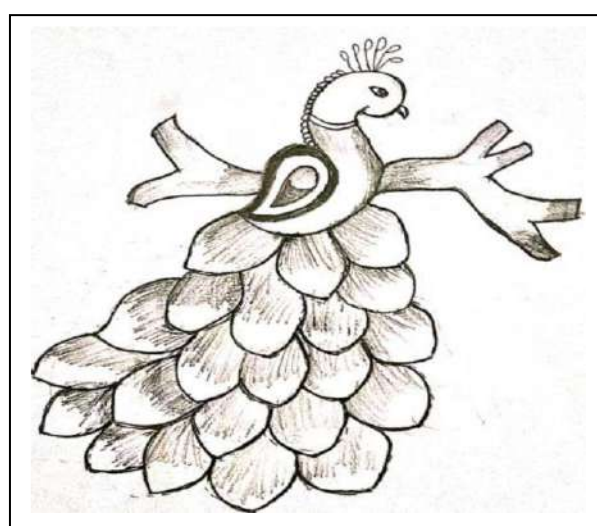
**K.Priyanka, IV CSE-A**



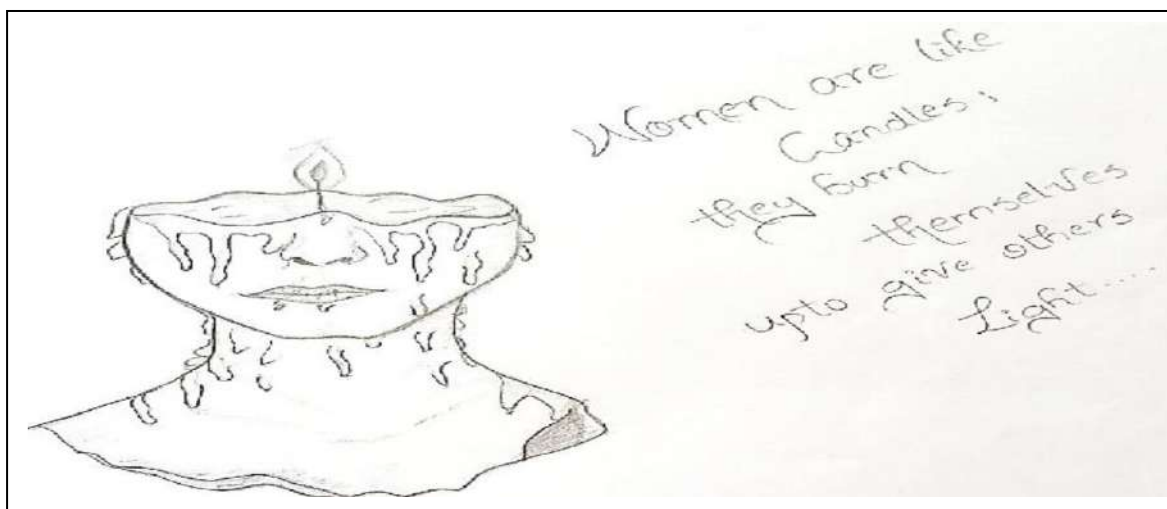
**G. Uday Kumar, II ME**



**B. Ashok, III EEE**



**P. Greeshma, III CSE-A**



**K.Mounika, III CSE-B**



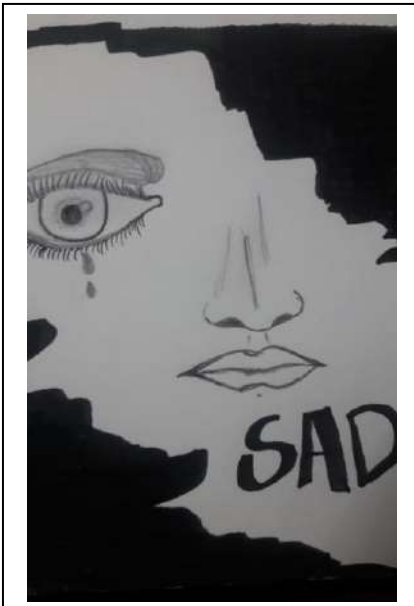
**K. Srivarshini, I ECE-A**



**G. Pragathi, I CE**



**Ch. Pallavi, I ECE**



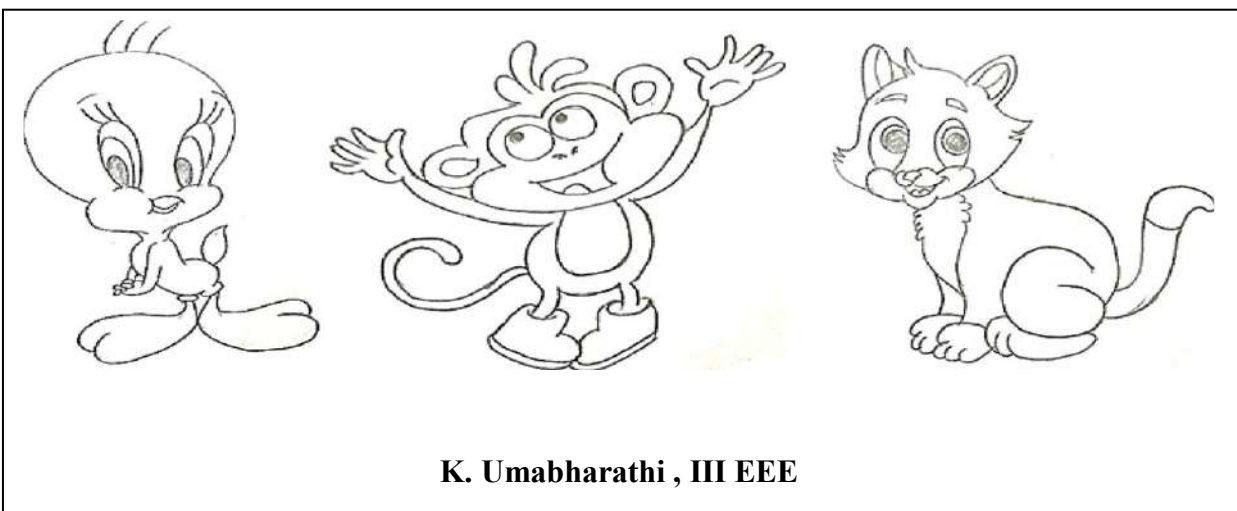
**G. Pragathi, I CE**



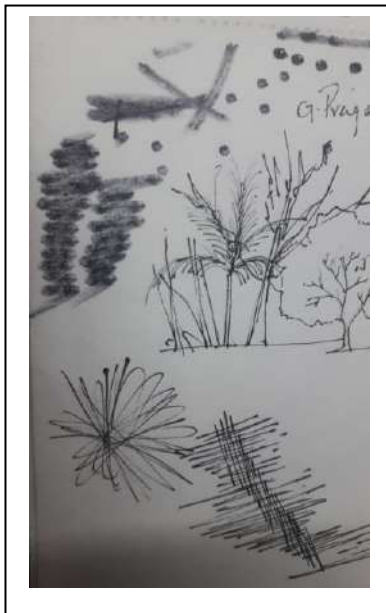
**K. Rahitha Reddy, I ECE-A**



**G. Pragathi, I CE**



**K. Umabharathi, III EEE**



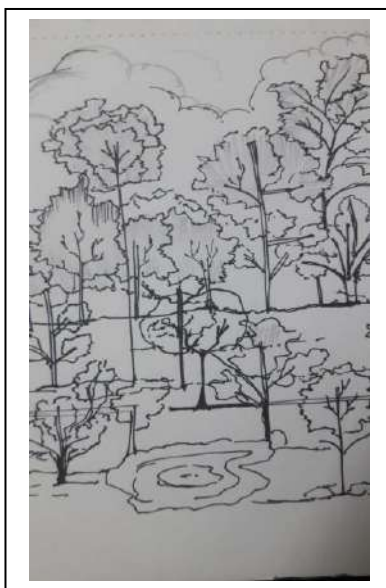
**G. Pragathi, I CE**



**B. Sneha, I ECE-A**



**G. Harshitha I ECE-B**



**S. Shanmuk, I CSE-B**



**A. Yuvakumar, I ME**



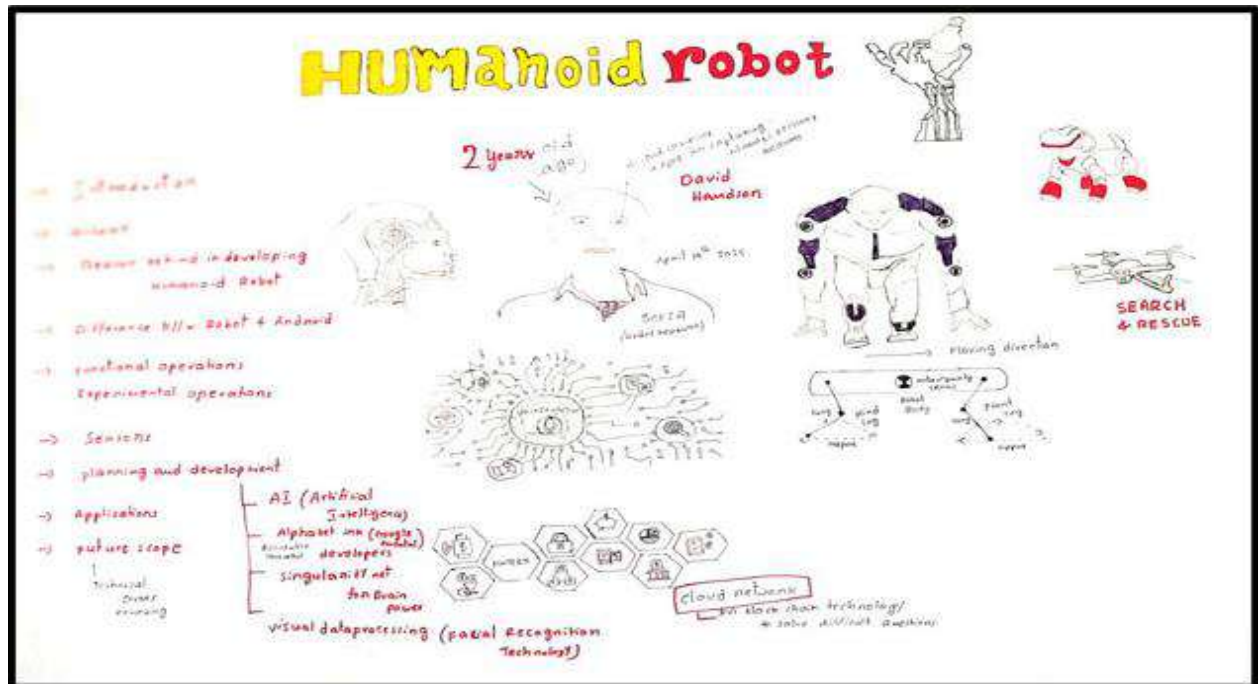
**P. Pranathi, I CSE-B**



**G. Keerthi, I EEE**



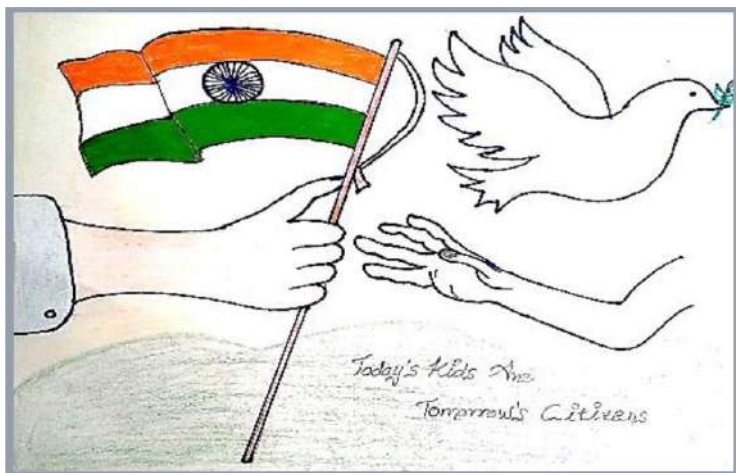
**Sk. Shoukath, I ME**



**Murali Krishna, III ECE-B**



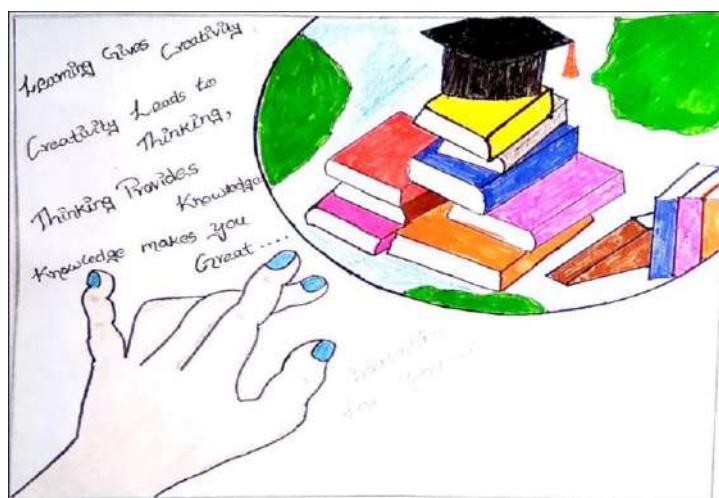
**G. Udayakumar, IV ME**



**Sk. Shoukath, I ME**



**G. Priyanka, I EEE**



**V. Siva Mounikar, I CSE-B**



**G. Pragathi, I CE**



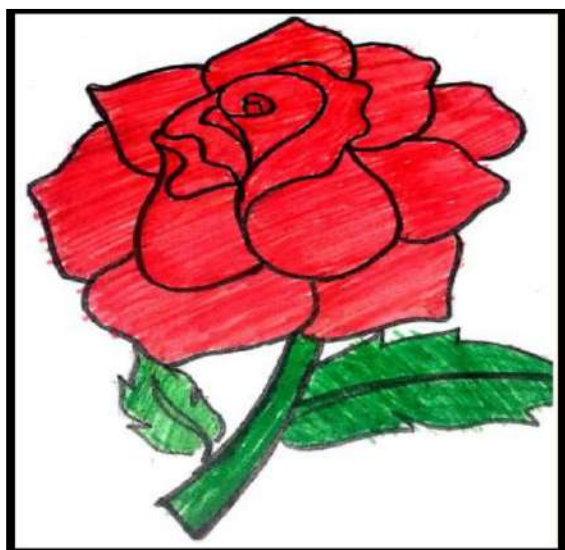
**G.Pavan Kumar, I EEE**



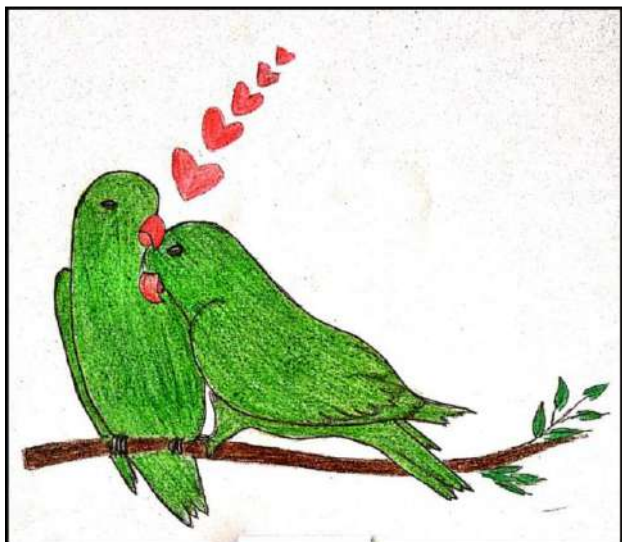
**A. Anju, I ECE-B**



**K.V. Radha Sravani, III ECE-A**



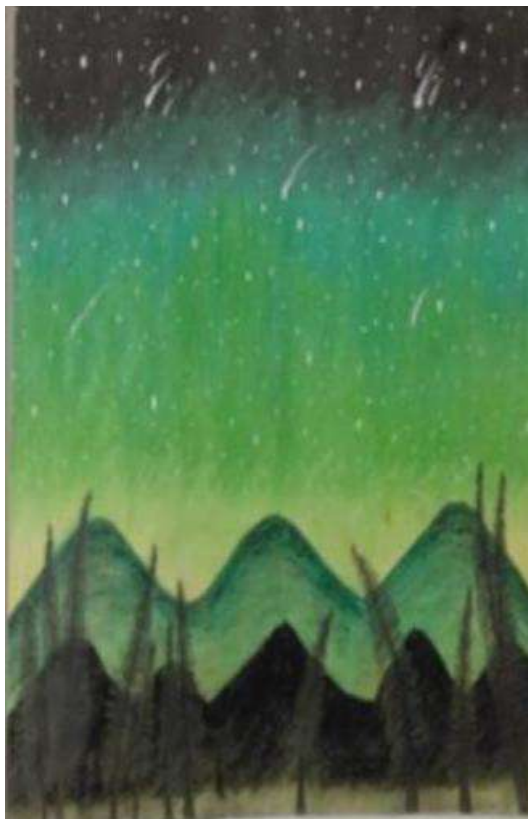
**A.Lalitha, III EEE**



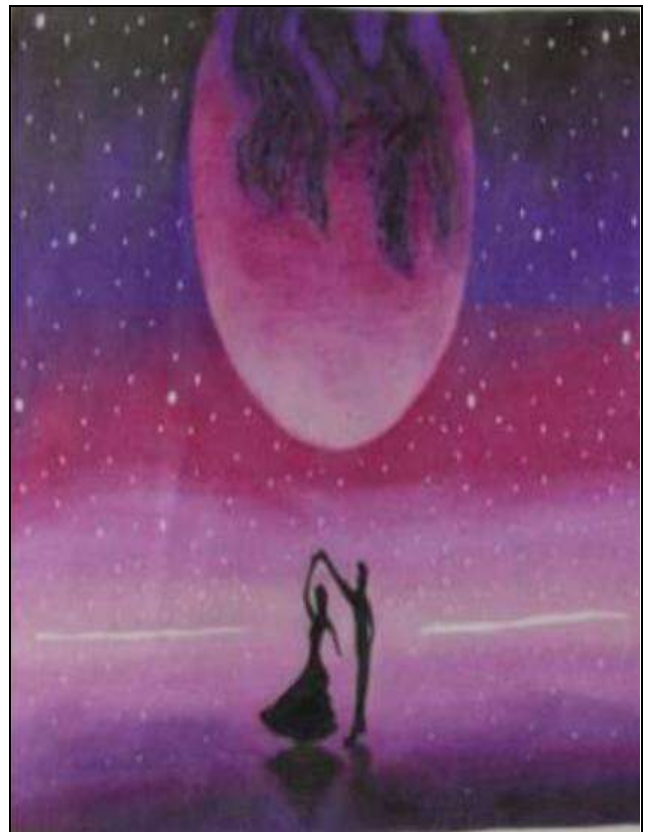
**K.Venkateswarlu Reddy, III ME**



**P. Tharun Kumar, III ME**



**G. Madhav, III EEE**



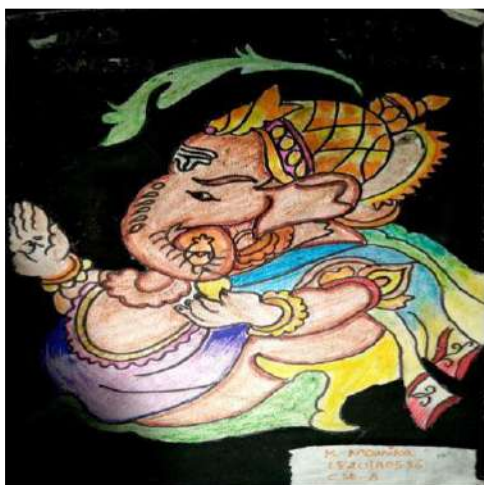
**K.V.Suneel, III CSE-B**



**G.Prem Krishna, II CSE-A**



**R. Anjali Karthika, II CSE-B**



**K. Mounika, II CSE-A**



**R. Anjali Karthika, II CSE-B**

## ***Stories***

### **ORT STORY (Facing Adversities wisely)**

A 12 years old girl, Asha entering into home very sadly. Her dad asked, "baby, why are you so sad today?" then she replied-dad, I got very low marks in my favorite subject even I worked hard for these exams. Father says, "Don't worry! May be either your efforts were not sufficient or something happened wrong. Everything will be fine, you keeping working hard and honestly and one day you will get success" Then she convinced and smiled.

Another day she was playing with her friends outside of the house. She loses the game 4 times continuously then her friends were ridiculed her badly. She ran away from there and inform to her father. The he consoled her by saying "failure is stepping stone to success", do not worry baby. Then she smiled and played with her friends again with confidence and more concentration and she won the game.

After a week, she came to her dad and said that "dad, today I felt so sad because my friends were joking at my personal appearance" and she cried. Then father decided to teach a lesson to his daughter, which will make her strong to face these type of problems in her bright future. Father hold her hand and take her into the kitchen.

Asha's father placed an egg, a potato, and some tea leaves in three separate vessels with boiling water. He asked Asha to keep an eye on the vessels for ten minutes. Once these ten minutes were over, he asked Asha to peel the potato, peel the egg and strain the tealeaves. Asha was left puzzled.

Her father explained, „each of these items was but in the same circumstance of being in a pot of boiling water. See how they have responded differently. The potato is now soft, the egg is now hard, and the tea has changed the water itself. We are all like these items. When adversity calls, we respond in exactly the way they have. Now are you a potato, an egg or are your tea leaves?"

**Moral of the Story:** We have to choose the solution for the problem and solve them wisely instead of losing hope.

**P. Srujan, III ME**

### **Helping others**

Once there was a small boy named Shankar. He belonged to a poor family. One day, he was crossing through the forest carrying some woods. He saw an old man who was very hungry. Shankar wanted to give him some food, but he did not have food for his own. So he continued on his way. On his way, he saw a deer who was very thirsty. He wanted to give him some water, but he did not have water for himself. So he went on his way ahead.

Then he saw a man who wanted to make a camp but he did not have woods. Shankar asked his problem and gave some woods to him. In return, he gave him some food and water. Now he went back to the old man and gave him some food and gave some water to the deer. The old man and the deer were very happy. Shankar then happily went on his way.

However, one day Shankar fell down the hill. He was in pain but he couldn't move and no one was there to help him. But, the old man who he had helped before saw him, he quickly came and pulled him up the hill. He had many wounds on his legs. The deer whom shankar had given water saw his wounds and quickly went to the forest and brought some herbs. After some time his wounds were covered. All were very happy that they were able to help each other.

**Moral of this story:** If you help others, then they will also help you.

**K. Siddartha, III EEE**

## Having a Best Friend

A story tells that two friends were walking through the desert. During some point of the journey, they had an argument, and one friend slapped the other one in the face.

The one who got slapped was hurt, but without saying anything, wrote in the sand "Today my best friend slapped me in the face".

They kept on walking until they found an oasis, where they decided to take a bath. The one who had been slapped got stuck in the mire and started drowning, but the friend saved him. After he recovered from the near drowning, he wrote on a stone "Today my best friend saved my life".

The friend who had slapped and saved his best friend asked him, "After I hurt you, you wrote in the sand and now, you write on a stone, why?" The other friend replied "When someone hurts us we should write it down in the sand where winds of forgiveness can erase it away. But, when someone does something good for us, we must engrave it in stone where no wind can ever erase it."

**Moral:** Do not value the things you have in your life. But value who you have in your life.

**D. Yashwanth, II ECE**

## Krishna and Govardhan

It was a ritual among the inhabitants of Vrindavan to worship Indra, the god of rain. Once, when preparations were in full swing, Krishna suggested that the villagers should rather worship the Govardhan hill. They assented and started worshipping the hill. This made Indra very angry, and he let his rain clouds loose over the village.

It poured cats and dogs for days on end, and everybody sought Krishna's help. Unable to see his devotees in plight, the Lord lifted the Govardhan with his little finger. He asked the villagers to take shelter under the hill and stood in that position for seven nights. Indra realised his mistake and apologised to Krishna.

**Moral:** Always help someone in need, if you can.

**Sk. Khadar Basha, III CE**

## చెడు అలవాట్లు మొగ్గలోనే తుంచేయాలి

ఒక ధనికుడు తన పిల్లవాడి చెడు అలవాట్లని చూసి చాలా విచారించాడు. ఒక వివేకమైన సలహాదారుడిని ఈ విషయం కోసం నియమించాడు. ఆ పెద్ద మనిషి ఆ పిల్లవాడిని తనతో విహారానికి తీసుకెళ్లాడు. అడవి దారిలో పిల్లవాడికి చిన్న చిన్న మొక్కలు చూపి, వాటిని పీకమన్నాడు. పిల్లాడు చాలా సులువుగా తీసేసాడు.

ఇంకా కొంత ముందుకెళ్ళాక, కొంచెం పెరిగిన మొక్కలని చూపి, "పీకగలవా?" అన్నాడు. వెంటనే, ఉత్సాహంగా పీకీ చూపించాడు. ఇంకా ముందుకి వెళ్ళాక, పొదని మొట్ట పరికించగలవా? అని అడిగాడు. కొంచెం కష్టపడి అది కూడా ఎలాగో పరికించాడు.

ఇంకా పెద్ద చెట్టు చూపి, దానిని పీకగలవా అని అడిగాడు. "నా వల్ల కాదన్నాడు." "చూసావా మరి? మన అలవాట్లు ఇలాగే పాతుకుపోయాక పీకలేము. లేతగా ఉన్నప్పుడే చెడ్డ అలవాట్లని వదిలెయ్యాలి. మంచి అలవాట్లని నాటుకోవాలి, పెంచుకోవాలి" అని ఉపదేశించాడు.

**నీతి:** చెడ్డ అలవాట్లని వదిలించుకోవటం కష్టం. మొదట్లోనే వాటిని వదిలిపెట్టాలి.

**D. Yaswanth Sai, II ME**

## నిజమైన స్నేహితుడు

ఇద్దరు స్నేహితులు సెలవరోజు ఊరు వెలుపలకి పికారుకెళ్లారు.తోవలో మాట్లాడుకుంటూ ఏదో విషయంపై అభిప్రాయం కుదరక ఇద్దరూ వాదించుకున్నారు. వాదన ఎక్కువై మొదటివాడు రెండో వాడిని చెంపపై కొట్టాడు. దెబ్బతిన్నవాడు అక్కడున్న జనుకపై ఈ రోజు నా స్నేహితుడు నా చెంపపై కొట్టాడు' అని రాశాడు.

మళ్ళీ ఇద్దరూ ముందుకు నడిచారు. మరికొంత దూరం వెళ్లక ఇద్దరికీ దాహం వేసి ఓ మడుగు దగ్గరకు వెళ్లారు. చెంప దెబ్బతిన్న మిత్రుడు ముందు నీళ్ళలోకి దిగాడు. అక్కడ ఊబి ఉంది. అతడు ఊబిలోకి కూరుకుపోతుండగా వెంటనే ప్యాంటు విప్పి మిత్రుడికి దాన్ని అందించి బయటకు లాగాడు మొదటి మిత్రుడు. బయటపడ్డాక రెండోవాడు ఓ బండరాయిపై 'ఈరోజు నా మిత్రుడు నన్ను ప్రమాదం నుంచి రక్షించాడు అని చెప్పాడు. మొదటి విషయాన్ని ఇసుకపై, రెండోదాన్ని రాయి పై ఎందుకు రాశావని మిత్రుడు అడగా, 'ఇసుక మీద ఏదైనా రాస్తే గాలి వీచి కాసేపటికి చెరిగి పోతుంది. స్నేహితుల పొరపాట్లను మనసులో నిలుసుకోకూడదు కనుక ఆలరాశాను. అదే సహాయం చేసినపుడు శాశ్వతంగా గుర్తుంచుకోవాలి, అందుకే రాయి పై రాశాను అని చెప్పాడు. స్నేహితులే కాదు, ఎవరు తప్పు చేసినా కమించి మరచిపోవాలి. వారు చేసిన సహాయాన్ని మాత్రం కలకాలం గుర్తుంచుకోవాలి.

Nikhila, II CSE-B

## పందెం

ఒక రాజ్యంలో ఇద్దరు సామంత రాజుల మధ్య సరిహద్దు తగాదాలుండేవి. ఆ సరిహద్దు ప్రాంత వాసులు ఎవరికి పన్నులు కట్టాలో తెలీక కట్టడం మానేశారు. ఆదాయం తగ్గిపోవడంతో సామంతరాజులు ఇద్దరూ మహారాజుని ఆశ్రయించారు. ఇలాంటి చిన్న చిన్న తగాదాలు నా దాకు తీసుకురాకండి, మీరే సామరస్యంగా పరిష్కరించుకోండి అని మహారాజుగారు తేల్చేశారు.

పెద్దల సహకారంలో ఇద్దరు సామంత రాజులు ఒక అంగీకారానికి వచ్చేరు. ఇరువైపు రాజ్యాలనుంచి ఇద్దరు బలశాలురు కోడి కూతతో బయలుదేరి సూర్యాస్తమం దాక ఎంత దూరం పరిగెడతారో అంత ప్రాంతం వాళ్ళది అని నిర్ణయించుకున్నారు. మంచి రోజు నిర్ధారించుకున్నారు. రెండు రాజ్యాల వళ్ళూ తమ తమ బలశాలులని యెంచుకున్నారు.

పందెం ముందు రాత్రి ఒక రాజ్యం వారు రహస్యంగా రెండోవ రాజ్యం కోడిని బాగా మేపేరు. తిని, తినీ ఆ కోడి బద్దకంతో బాగా నిద్రపోయి పొద్దున్న లేవలేదు, కూత పెట్టలేదు. ఆ రాజ్యం వాళ్ళు నిద్రలేచి, కోడిని లేపే, కూత పెట్టించే లోపు వేరే రాజ్యం బలశాలి చాలా దూరం వచ్చేసాడు. పొరుగు రాజ్యం పొలిమేరల దాక పరిగెట్టాడు.

అతన్ని బ్రతిమాలుకుంటే, నన్ను ఎత్తుకుని ఎంత దూరం పరిగెడితే ఆ ప్రాంతం నీకే అన్నాడు. ఈ రాజ్యం బలశాలి అతన్ని ఎత్తుకుని నడవడం మొదలెత్తాడు కానీ ఎంతో దూరం వెళ్ళకుండానే తెల్లారిపోయింది. రెండు రాజ్యాల మధ్యలో గొడవ మొదలయ్యింది. విషయం తెలిసిన పెద్దలు పందెం రద్దు చేసారు. ఆ ప్రాంతం ఎవరిదో ఇప్పటికీ తెలలేదు. ఆ ప్రదేశాన్ని ఇప్పటికీ “పందెం పాలెం” అంటారు.

Mahitha, II ECE-B

## పొదుపు మహిమ

ఒక నగరంలో పెద్ద వర్తకుని యిల్లు ఉంది. అతనింటికి ప్రక్కనే ఒక పేదవాని యిల్లు ఉంది. ఆ రెండిళ్ళ ఆడవాళ్ళు కలుసుకున్నప్పుడల్లా ఈవేళ ఏం వండారు?" అని అడిగేవారు. ధనవంతుడైన వ్యాపారి భార్య ఈవేళ పప్పు వండాననే లేక ఏదో కూర చేశాననే చెప్పింది. బీదవాని భార్యమాత్రం ఎప్పుడూ - ఇవాళ హల్వా చేశాననే, పూరీ చేసాననే పాయసం చేసాననే చెప్పింది. ఒకరోజు వ్యాపారి భార్య, తన భర్తతో - "ఇంత డబ్బుండి మనమేమో సాధారణమైన భోజనం చేస్తున్నాము. కాని పక్కంటివాళ్ళు ఎక్కువడబ్బు లేకపోయినా నవకాయ పిండివంటలతో భోజనం చేస్తుంటారు. ఇదేం చిత్రమో!" అంది. వ్యాపారి - "వారికింకా పొదుపు మహిమ తెలియదు. అందుచేత వారు అలాంటి భోజనం చేస్తున్నారు అన్నాడు. అతని భార్య ఆశ్చర్యంగా 'పొదుపు మహిమ' ఏమిటని అడిగింది వ్యాపారి "నేనంతా వివరిస్తాను. నువ్వు చూస్తుండు." అన్నాడు

మరునాడు వ్యాపారి తన భార్యను తొంభైతోమ్మిది రూపాయలు తీసుకురమ్మన్నాడు. ఆమె తీసుకువచ్చింది. వ్యాపారి ఆ డబ్బును గుడ్డ సంచిలో మూటగట్టి దాన్ని రాత్రిపూట ఎవరూ చూడకుండా ప్రక్కయింటిలోకి విసిరివేయమని చెప్పాడు. ఆమె అలానే చేసింది. తెల్లవారగానే బీదవాడు తన ముంగిట్లో ఏదో సంచీ పడి ఉండటం చూసాడు. దాన్ని లోపలకు తీసుకువెళ్ళి, విప్పిచూడగా దానిలో తొంబది తొమ్మిది రూపాయలు ఉన్నాయి ఆత్తుతతో మరల లెక్క పెట్టగా అంతే ఉన్నాయి. వందకి ఒక్క రూపాయి తక్కువగా ఉంది. బీదవాడు, వానిభార్య- "ఎలాగైనా రెండు, మూడు రోజులు కష్టపడి ఖర్చుతగ్గించుకుంటే ఒక రూపాయి దాచవచ్చు. అప్పుడు వందరూపాయలు అవుతాయి" అనుకున్నారు. అలానే రెండు రోజులు కొంచెం పొదుపుగా వండి, రూపాయని దాచగలిగారు. వారి కళ్ళముందు రూపాయనాణెం తళతళలాడుతూ కనబడింది. వారిద్దరూ "పొదుపుతో రెండుమూడు రోజులలో ఒక రూపాయి సంపాదించగలిగాము. మనం రోజు ఇలానే పొదుపు చేస్తే అని ఆ రోజు నుంచి పొదుపు చేయడం మొదలుపెట్టారు.

V.Sai Sumanth, III CE

## AMAZING FACTS

1. The basic colours to eye are - red , yellow, blue.
2. The size of human eyes remain constant through out the life.
3. Squirrels forget where they hide their nuts.
4. The No.of dents on a golf ball are 336.
5. The longest word in English without vowel is Rhythm.
6. Euouae, a musical candence taken from the vowels is the longest English word spelled without any consonant.
7. The term "astronaut" comes from Greek words that mean "star" & "sailor".
8. The world's second largest English speaking country in India.
9. Humming bird's wings can beat 200 times a second.
10. A group of jelly fish is smack.
11. Corn is grown on every continent except Antarctica.
12. Hearing is the fastest human sense.
13. A cricket tournament, played as part of the 1900 summer Olympics.
14. India has the largest postal network in the world.
15. Shampoo was invented in India.
16. Rabindranath Tagore also wrote the national anthem for Bangladesh.
17. Kerala tops the highest liquor consuming state in India.
18. Hindi is not the national language of India.
19. Brazil is named after a tree.
20. Apple is 25% of air, that is why it floats on water?
21. The first product to have a barcode was Wrigley's gum.
22. Cricket bats are made of tree called willow.
23. Honeybees can taste with their feet.
24. A football is made of 32 leather pieces.
25. The only part of the body that has no blood supply is cornea of the eye.
26. The strongest muscle in the human body is tongue.
27. The spiral shapes of sunflower seeds follow fibonacci series.
28. From 0 to 1000 the letter "A" only appears in "thousand".
29. Have you ever noticed that the opposite sides of a die add up to seven.
30. Hundred is derived from "hundredth" which actually means 120.
31. Zero is not there in roman numbers.

**G. Prem Krishna, IICSE**

## ***RIDDLES AND SILLY QUESTIONS***

1. What has two heads, four eyes, six legs and a tail?
2. What is as big as a horse but doesn't weigh anything?
3. What begins with T, ends with T and has T in it?
4. What did zero say to eight?
5. Do you know why birds fly to south in the winter?
6. Which letters do Tuesday, Thursday, Friday and Saturday have in common?
7. Which room has no doors, no windows?
8. What gets wetter as it dries?
9. Why are baseball stadiums so cool?
10. What do you call a fish without an eye?
11. What has thirteen hearts but no body and no soul?
12. What do you call a fish that only cares about himself?
13. Why couldn't Mozart find his teacher?
14. What's a minimum?
15. Why can't a bicycle stand on its own?
16. What's got a head and a tail, but no body?
17. What's got a wave but no sea?
18. What is the longest word?
19. What is the word that everybody always says wrong?
20. What five-letter word becomes shorter when you add two letters to it?
21. What's the longest word in the dictionary?
22. How many seconds are there in one year?
23. What can you cut with a knife and never see a mark?
24. What asks no questions but receives a lot of answers?
25. What grows bigger the more you take from it?
26. I saw a nutcracker up in a tree. What was it?
27. What goes up but never comes down?
28. If you feed it, it will live. If you give it water, it will die. What is it?
29. What three numbers, none of which is zero, give the same result whether they're added or multiplied?
30. What comes once in a minute, Twice in a moment, But never in a thousand years?
31. I have keys, but no locks. I have space, but no room. You can enter, but you can't go outside. What am I?
32. I have cities, but no houses. I have mountains, but no trees. I have water, but no fish. What am I?

## ***KEY PAPER***

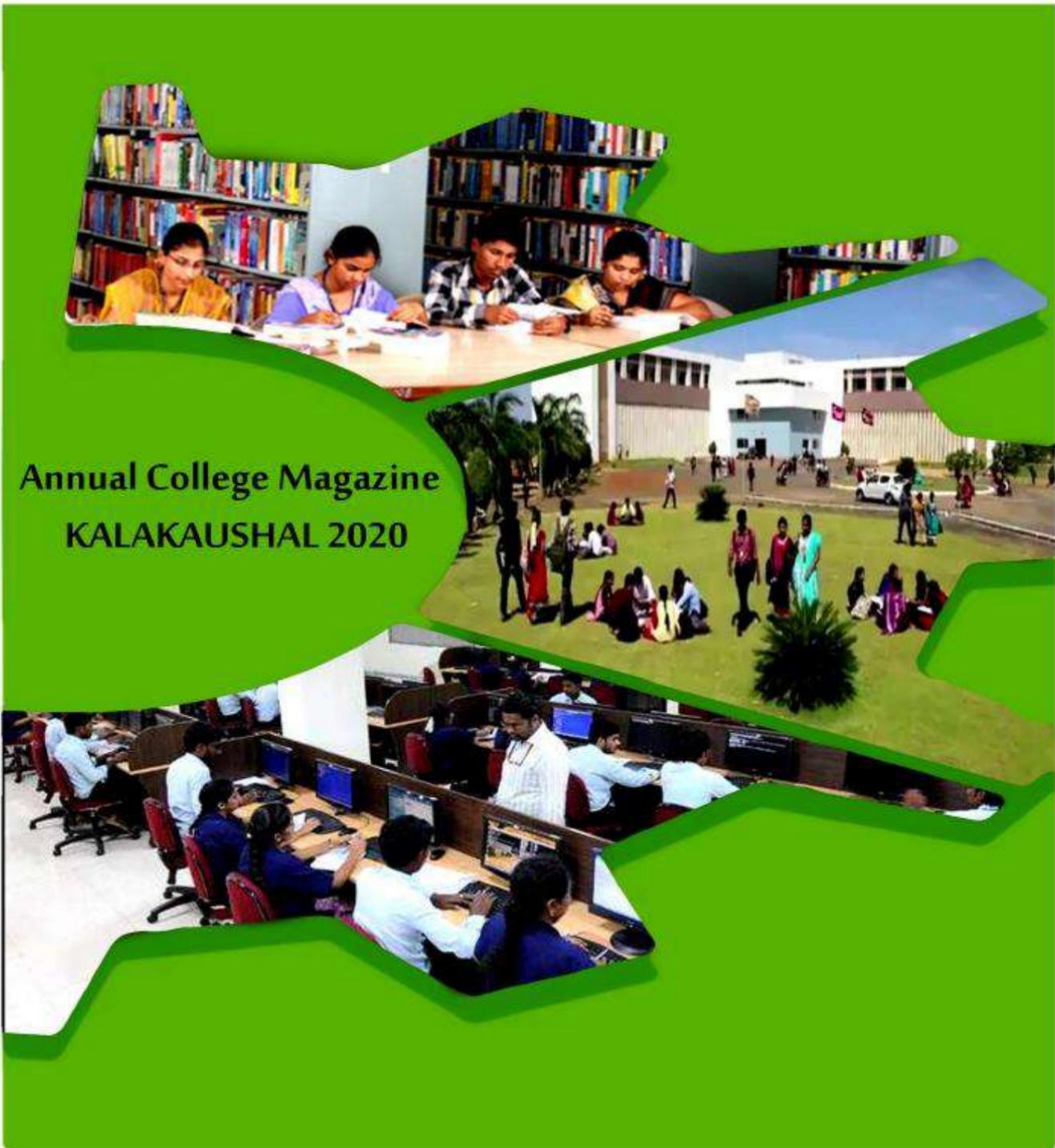
1. A horse and its rider.
2. The horse's shadow.
3. A teapot.
4. Nice belt.
5. Because it's too far to walk there.
6. None! None of them have "c", "o", "m" or "n" in them.
7. A mushroom.
8. A towel
9. There is a fan in every seat.
10. Fsh. (Hint: No "eye" = No "i")
11. A pack of playing cards.
12. Selfish.
13. Because the teacher was Hayden.(Hayden, Hedin, Hiding)
14. A very small mother! (mini-mom)
15. Because it's two-tired (too tired)
16. A coin.
17. My hair
18. Smiles, because there is a mile between the first and last s.
19. "Wrong".
20. Short
21. Rubber-band - because it stretches.
22. Twelve. January second, February second, March second..
23. Water
24. A telephone
25. A hole
26. A squirrel
27. Our age
28. Fire
29. One, two and three
30. The letter "M."
31. A computer keyboard.
32. A map.

## PROGRAMME OUTCOMES (PO'S)

Programme outcomes are narrower statements that describe what students are expected to know and be able to do upon the graduation. They are formed in line with the graduate attributes of NBA. These relate to the skills, knowledge, attitudes, values and behaviour outcomes that students acquire through the programme.

### Graduates will have ability to:

PO1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	<b>Design/development of solutions:</b> 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.
PO4	<b>Conduct investigations of complex problems:</b> 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.
PO5	<b>Modern tool usage:</b> 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.
PO6	<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	<b>Communication:</b> 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.
PO11	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering 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.
PO12	<b>Life-long learning:</b> 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.



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All of us do not have equal talent.  
But, all of us have an equal  
opportunity to develop our talents.

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Ushodaya Educational Society  
"Together We Win"