

# SPARK'20

DEPARTMENT OF INFORMATION TECHNOLOGY









## About Department

The Department of Information Technology was established in the year 1999 with an intake of 60 students. In 2001, the intake was increased to 90 students and in 2006 the intake was increased to 120. The Department has been accredited by NBA for 3 Years and Anna University has recognized with permanent affiliation. Apart from making them good technocrats, the Department also provides individual attention to make them good citizens of our nation and to serve the industry and society constructively to make them good technocrats through futuristic plans.

The Department inculcates entrepreneurial skills with ethical and social values. With the entire world in the grip of the versatile and vibrant World Wide Web, the science of Information Technology has become the most potent and powerful tool of the future. The Department has the state-of-the-art facilities for various labs, well equipped seminar halls, classrooms to support e-learning and a department library.

### Vision:

" To emerge as the centre for Academic Eminence in the field of Information Technology through innovative learning practices "

### Mission:

- To provide good teaching and learning environment for quality education in the field of Information Technology.
- To propogate Lifelong Learning.
- To impart the right proportion of knowledge, attitudes and ethics in students to enable them take up positions of responsibility in the society and make significant contributions.



# EDITORS

SPARK'20

## Faculty Editors :

**Dr.M.RAJESH KHANNA (Associate Professor)**

**Ms.J.MANJU (Assistant Professor)**

## Student Editors :



**GOWTHAM S**  
**III YEAR**



**BHARATH KUMAR S**  
**III YEAR**



**YOGESH J**  
**IV YEAR**



**DHARSHITHA K**  
**IV YEAR**

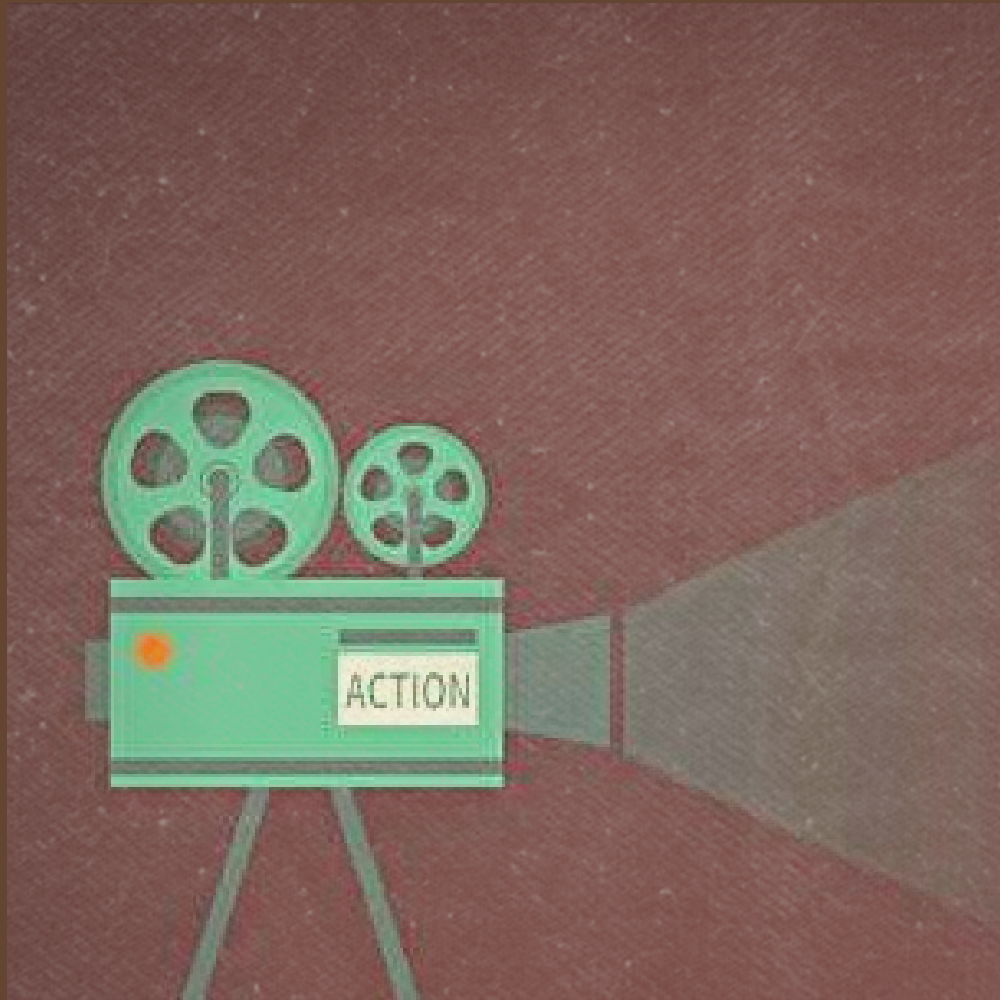
# BELOVED FRAMES OF CINEMA

**F**rames are the building blocks of cinema. They are the individual pictures that make up a film, and they are the key to creating powerful visual storytelling.

One of the most beloved frames in cinema is the close-up. This is when the camera zooms in on a character's face, capturing every detail of their expression. Close-ups can convey a wide range of emotions, from joy to sadness to fear, and they are often used to intensify the drama of a scene. They are particularly effective when paired with a strong performance from an actor, as the audience can see every nuance of their expression and feel the emotion more acutely.



**BALAJI K  
II YEAR**



Another popular frame is the long shot. This is when the camera pulls back to show a wide view of the scene, often including multiple characters or objects. Long shots are useful for establishing the setting of a scene, as well as giving the audience a sense of scale and context. They can also be used to create a sense of awe or wonder, particularly when filming natural landscapes or impressive architecture.

A third frame that filmmakers often love is the tracking shot. This is when the camera moves along with a character or object, following them through the scene. Tracking shots can be particularly effective for creating a sense of movement or action, as well as giving the audience a sense of what it would be like to be in the character's shoes. They require a lot of planning and coordination to execute, but when done well, they can be incredibly immersive.

A fourth frame that can be very effective in cinema is the silhouette. This is when a character or object is shown as a dark shape against a bright background, often with no facial features or other details visible. Silhouettes can be used to create a sense of mystery or suspense, as the audience is left to imagine what the character or object might be doing or thinking. They can also be very striking visually, particularly when set against a dramatic or colorful background.

Finally, one of the most iconic frames in cinema is the extreme close-up. This is when the camera zooms in even closer than a traditional close-up, often showing only a part of a character's face or body. Extreme close-ups can be used to convey intense emotion or physical detail, and they can be particularly effective in horror or action films, where small details can make a big impact.

In conclusion, frames are an essential part of cinema, and there are many different types of frames that can be used to create powerful visual storytelling. Whether it's a close-up, a long shot, a tracking shot, a silhouette, or an extreme close-up, each frame has its own unique qualities that can help to enhance the emotional impact of a film. By mastering these frames and using them effectively, filmmakers can create memorable and impactful films that will stay with audiences long after the credits have rolled.



# POEM ABOUT MOON

A silvery jewel in the night sky,  
A beacon of light that captures the eye.  
A mystical orb that casts a glow,  
A celestial wonder that continues to show.

Oh, moon so radiant, so bright,  
Your luminous beauty fills the night. With  
your gentle, serene allure,  
You captivate hearts and minds, for sure.

In the darkness, you reign supreme,  
Casting shadows, yet making dreams.  
Your phases wax and wane, a celestial dance,  
A symbol of change, a cosmic trance.

Oh, moon so magical, so divine,  
Your mysteries unravel with each lunar shine.  
From crescent to gibbous, to full and beyond,  
You mesmerize us with your cosmic bond.

You hold ancient tales and cosmic lore,  
A celestial treasure, forevermore.  
A celestial jewel, a celestial boon,  
A radiant gem, forever in tune.

So, as you grace the night with your gentle light,  
We gaze at you, entranced each night.  
A cosmic beauty, a celestial boon,  
The moon, forever casting her magical rune.



SATHYA NARAYAN S V  
III YEAR

# தமிழர்கள் என்றால் யார் ?

கடலில் படையை நிறுத்தியவன்  
காவிரி அணையை கட்டியவன்  
அதிசய கோவிலை கட்டியவன்  
ஆள்கார் விருதை தட்டியவன்

மடமை எதுவென சொன்னோமே  
அடிமை என்பதை வென்றோமே  
கந்தரை குன்றில் கண்டோமே  
சுந்தரை கூகுளுக்கு தந்தோம்

சந்தியினை நாங்க பிளப்போம்  
சந்திராயண உள்ள நூலைப்போம்  
கீழடிய நாங்க திறப்போம்  
சதுரங்க வேட்டையிலும் ஜெயிப்போம்

தமிழன் என்றல் தலைவனடா...  
இவன் காலம் கடந்த கலைஞனடா  
அச்சம் என்பது மடமையடா  
நாங்க ஆயிரம் காலத்து படைகளடா



LAKSHMIPATHY J  
IV YEAR

# AMBEDKAR : A PRODIGY

IF I FIND THE CONSTITUTION BEING MISUSED, I SHALL BE  
THE FIRST TO BURN IT

Dr.Bihmroa Ramji Ambedkar was the chairman of the constitution drafting committee and therefore he had referenced many countries constitution and drafted The Constitution of India which focus on various part of governance of the nation. I would like to mention of some the big changes he made which helped the oppressed people using his power as a chairman of drafting committee for Indian constitution as he says

**"IF YOU NEED TO CHANGE SOMETHING FIRST GET TO THE POWER TO DO THAT"**

## 1.Work hours for employee:

Dr.B.R.Ambedkar brought the 8-hour workweek into the legal framework of the framework of the country in the seventh session of the Indian labour conference in Delhi in 1942 When he was a labour member in the executive council of viceroy from 1942 to 1946

## 2.Equality:-

The main aim of the constitution is all are equal no one is above others and no one is above others for the constitution. This aims the three main words said by Ambedkar which is "Liberty Equality fraternity"



VENKATASH PRASANA V  
II YEAR

## Right of reservation:-

The concept of reservation is giving an creating equal opportunity of all on basis of which they got rejected for education jobs etc....In this case of India people is oppressed on the basis so caste. So the right of them should got for that they have rejected for So the constitutional rule is framed in the manner that quota for each caste is divided as a communities and the percentage of their representation is ensured using this policy of reservation.

## Conclusion:-

So, Dr.B.R.Ambedkar as helped the each and every citizen of India. By providing the constitution of India which conclude their integrity of the people as the constitution says it as a union of States where each states will have there own rights which gives the space for the individual development of the state.Thus Ambedhkar make the constitution which helps the country for governance on various aspects of india.



# A dive into BLACK HOLES



A black hole is a place in space where gravity pulls so much that even light cannot escape and it is formed by the death of a massive star by explosion. A black hole mass is equivalent to more than 4,000,000 suns and its radius must would be 30km.

When a star has exhausted the internal thermonuclear fuels in its core at its end of life and the core becomes very unstable and the gravitationally collapses inward upon itself and the star outer layers are blown away. Hence the dying stars have zero volume and infinite density called singularity and that the massive stars are bigger than the three solar masses...

The idea of black holes was rediscovered in 1916, after Einstein published his theory of gravity. Karl Schwarzschild then solved Einstein's equations for the case of a black hole, which he envisioned as a spherical volume of warped space surrounding a concentrated mass and completely invisible to the outside.

The total time for a black hole to evaporate away is proportional to the cube of its initial mass. For a solar-mass hole, the lifetime is an unobservably long 1064 years. For a 1012-kilogram one, it is 1010 years—about the present age of the universe.

Actually black holes are either cool or hot. The stellar black holes are very cold and the temperature is nearly even 0 to -273.15 degree celsius and supermassive black holes are even colder but the black hole event horizon is incredibly hot and the gas pulled rapidly into black hole can reach millions of degree.

## Is there any Black hole near earth ?

Yes...GIA BH1 is located just under 1,600 lights years away from earth and the discovery suggests might be a sizable population of dormant hole in binary system . Its take around 30 million years to travel in rocket speed to reach according to research



BATHRINATH S  
III YEAR

# SIMULATION

Simulation is a mimic (Virtual Reality), a program, a decision making by being able to test different scenarios or process changes. In Peru Scientist have used a stimulator that mimics the harsh condition on the red planet to successfully grow a potato plant. It's an experiment straight out of the 2015 Hollywood movie ("MARTIAN"). Suddenly people were raising a question about the world ...

## THE WORLD IS REAL?

SO ARE WE IN REAL WORLD OR ARE WE THE EXPERIMENT RATS IN THE SIMULATION? THE WORLD IS REAL OR NOT? Even ELON MUSK said in a podcast "We are most likely in a simulation because we exist" and he also believe in simulation...

**What  
do  
you  
think ?**



**MONIKA ANGELIN S  
IV YEAR**

# Whispers of the Heart

-A college love poem

In the hallowed halls of college days,  
A symphony of memories plays.  
where love bloomed in youthful hearts,  
and dreams took flight like fiery darts.

In crowded classrooms, we would meet,  
Eager minds and passions, fleet.  
whispered glances, stolen smiles,  
love's secret dance, spanning miles.

Late nights spent in library's embrace,  
Words of wisdom, inked on space.  
shared laughter, shared tears,  
With friends who eased our deepest fears.

The campus alive with vibrant hues,  
Autumn's touch, a lover's muse.  
Hand in hand, we strolled the path,  
Creating memories that forever last.

But love, like youth, is fleeting too,  
As time erodes what once was true.  
Yet memories remain, etched deep within,  
A college of love, forever akin.

So raise a toast to those college years,  
To love's embrace, to joy and tears.  
For in those moments, we found our way,  
And love's imprint, forever, will stay.



NISHAL N  
IV YEAR



# DID YOU KNOW ?

## **Astronauts actually get taller when in space.**

Astronauts get a bit taller in space because of the decompression of the disks of the spinal column. The disks are slightly compressed when one is living on Earth, thanks to the effects of gravity. In space, the disc expands and the spine lengthens, as there is near-zero gravity, and the astronaut is taller.

## **Blue whale tongues can weigh as much as an elephant**

Blue whales, which are the largest animals known to have lived on the Earth, have tongues that can weigh as much as an elephant, at about 2,700 kilograms. The blue whale itself can weigh up to 1,80,000 kilograms.

## **Did you know there is a species of Jellyfish that never dies?**

The 'immortal' jellyfish, *Turritopsis Dohrnii* To date, there's only one species that has been called 'biologically immortal': the jellyfish *Turritopsis dohrnii*. These small, transparent animals hang out in oceans around the world and can turn back time by reverting to an earlier stage of their life cycle.

## **Did you know your body loses up to 8 percent of water on a flight?**

Water is our body's mechanical oil without it, it can't function. You lose about 8 percent of your body water while on a flight. This is because the humidity in the climate controlled environment can be as low as 10 to 15 percent.



**PRIYA K  
III YEAR**

# DISCONNECTED:

## How Losing My Mobile Phone Helped Me Reconnect with Life"

Once upon a time, there was a young woman named Tina who was obsessed with her mobile phone. She spent every waking moment scrolling through social media, sending text messages, and taking selfies.

One day, while walking home from work, Tina realized that she had left her phone at the office. She panicked, feeling as though she had lost a part of herself. But as she continued on her way, she noticed something strange happening.

In the end, Tina learned that there was more to life than a mobile phone screen. And while she still used her device for practical purposes, she never again allowed it to take over her life.

Without the constant distraction of her mobile phone, Tina started to pay more attention to her surroundings. She noticed the vibrant colors of the sunset, the way the leaves rustled in the breeze, and the friendly smiles of the people passing by.

By the time she arrived home, Tina felt a sense of peace and contentment that she hadn't experienced in a long time. She realized that her mobile phone had been a distraction, a source of stress and anxiety that had prevented her from fully living in the moment.

From that day forward, Tina made a conscious effort to limit her use of her mobile phone. She started to prioritize face-to-face interactions with her loved ones, and she took up new hobbies and interests that allowed her to explore the world around her.



**SREEKANTH K**  
**II YEAR**

# Where are we going ?

**"Snapping one, two, just think, where are you?"**

Travelling in your teens is an era where you find multiple choices of people with special types of polymorphism. All lives matter, but nothing matters if you don't cultivate your own. You being a student just think: Is the routine of your day as a part of life enough to succeed? To be very simple, have you ever thought about the pattern of your behavior?

A student's life is short, whereas an adult's is shorter. The designation of being a student prepares us for how to survive in the upcoming real-life exposures. Believe that there will be a lot of such procedures in the student's life. We understand and expose our communications with teachers where we are prepared to work within the rules and think outside the box. In this journey, teachers may look like Marvel Supervillians, but they are spending all levels of their powers to make us think critically, which help us turn information into knowledge and knowledge into wisdom with tolerance, patience, and consistency.

This age teaches you infinite things that make you feel happy, sad, excited, dumb, or anything. But if it does break you into pieces, then mark my words—it's going to build a better version of yourself that you didn't even know existed. All of us may have common exposure to a situation, but it depends on our own perspectives on how we see it. Such situations must be dealt with by a person's mindset and not by their age, as age does not define the things we have gone through.

Stop differentiating or discriminating against people by their caste or religion; instead, unite, explore, and celebrate the cultural differences and ethics together. The ideology of following a healthy diet as a teenager has major benefits like boosting immunity and retarding ageing. It's important to have a decent physique and good practice in physical education. Anything is possible with good mental health. Hold tight and set right .



We learn how to react and think independently in any kind of situation, but we are not aware of how to properly analyze it. We are living in a world where some people have forgotten the difference between comparison and analysis. To rate the qualities of someone, the criteria for qualifying are based on the target of someone who is better. So think to yourself: if you have an interest in something, go ahead and set a goal, go with the process, give 200 percent to it, and have the patience to wait for the result. It doesn't matter if the result is good or bad; have a low level of celebration because the success or failure is all your own, and move on to the next without giving up. It's so simple to realize that we may have trust issues with people but no issues with the process. Giving 200 percent of your energy, of which 100 percent is the work to be done with your capabilities and the other hundred comes from the pain you went through, the main ingredient for success in everything we seek is stepping out of one's comfort zone.

Even Shakespeare's "Seven Stages of Life" declares that ageing is just a nature's call where a teenager gets lots of time to explore and interact with others. So please wake up to reality, stop wasting your dopamine on imaginaries, and start trusting people by their actions and not by their words. Everyone is unique in their own way. It is necessary to be kind and show love to yourself.

**YOU ARE IMPORTANT!!!**



**MAHESH S M**  
**II YEAR**

# Reading for fun

Why would you ever choose reality over fiction? Well, that was rhetorical. Of course, what's fun in reality anyway, except a ton dozens of problem from the moment we open our eyes till we fulfill the appointment of our bed and pillows in near exhaustion. And for people like us, I mean Readers, by the way. We read a lot, we can't go a day without reading. This is as plain as day even with our anxieties, c'mon I want things like training with Cassian, Flying with Azriel, fighting with Mor, Flying in the wyvern, Battling and getting a grumpy dragon named Tairn, Get me a visit to Sector 45, Appointment with Aaron. Please I'd kill for that life, When we say we have our head in clouds that's how some of us survive. So, we reader beans are always proud of the way our brain cells works when it comes to imaginations. Slay, people. All we just need is a book (Fantasy that we'd much prefer) Couch, Coffee and oh boy you'll learn the meaning of loyalty.

We read because this world isn't enough for us, We get away from all this, we get lost in another world, it can be Hogwarts, Camp Half Blood, Tenbrae, In the Maze, District 12, Velaris, Terrasen and Crescent city. I could go on and on. We might never belong in this world with these people but we sure belong in all the world we read, while reading we don't just fall for a characters' beauty, we fall for his words, his thoughts, his tells, his tics and each and every word. Book reading, Book shopping and Book hoarding are entirely three different hobbies when it comes to reading for fun, At this point I know a lot of fictional characters from books than the people in real life, it's such a solace when you know your favourite book character is there for you, no matter what. Comfort characters, that's what we look for ourselves, when the road gets rough. Life's little dicey, but comfort books and comfort characters are at the end filling us with such warmth.

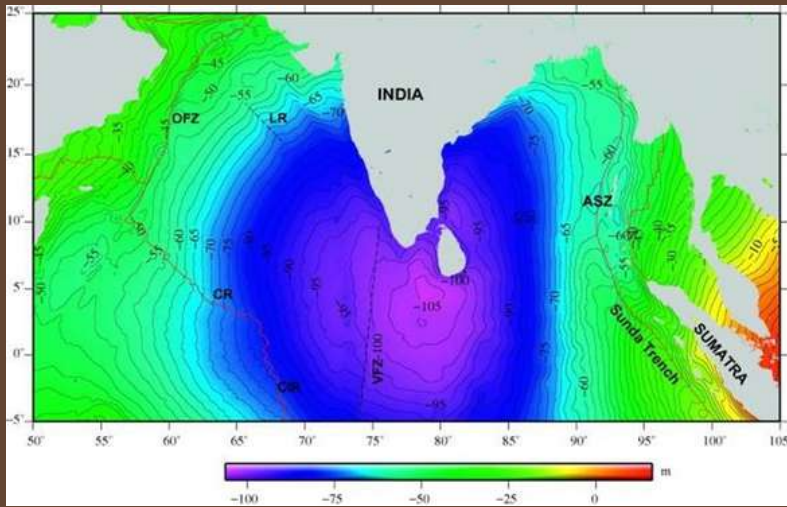
After a long day, settling in your couch with your comfort book is like the first sip of chocolate milk in the middle of a heavy storm while you are shivering cold. But, when you get tangled up remember how much it hurts when the love of your life is just literal ink on paper?



**ABISHEK R**  
**III YEAR**

# You'll loose weight on a holiday to Srilanka

**“Scientists have recently discovered the reason why travellers to Sri Lanka loose their weight”**



## Indian Ocean Geoid Low

The Indian ocean geoid low (IOGL) is a Gravity anomaly in the Indian ocean, located at south of Indian peninsula. it is the lowest geoid on earth and its biggest gravitational anomaly covering an area of about 3 million km<sup>2</sup>. The "gravity hole" is centered about 1,200 km southwest of Kanyakumari. Dutch Geophysicist Felix Andries Vening Meinesz Discovered IOGL in 1948 during a gravity survey from a ship But scientists didn't know why it was there and it had remained a mystery until May 2023, A senior author, Attreyee Ghosh a geophysicist at the Indian Institute of Science in Bangalore believed that they have formed around 20 million years ago. They created more than 19 simulations to find about how the region formed over ages ago The results, published in Geophysical.

**They say Due to low gravity pull caused by the IOGL (indian ocean geoid low) makes people feel lighter.'Gravity Hole' in the Ocean May Be the Ghost of an Ancient Sea.**

Research Letters, indicate the IOGL is present because of a distinctive mantle structure underneath the Indian Ocean and creating this geoid low.



**VARSHINI A  
III YEAR**



# WORD PUZZLE

E D L C F X B C U I S D R C V Q N S X I R Q K Q  
I P F L W T R J I I R Z H Q S X F L V I R Q U C  
J G I O N T C A Z J N G K K Y Y N O Y W T F O I  
T E X T E D I T O R A U Y R H W U I E O S G D K  
A K C O N T A I N E R E L E M E N T A S K A U Q  
I H S Q W S O T Z T O M D L C Y Z H E M F X F X  
K Q T L V L S N B M V J J C D N W R Y E O J D A  
V A C X K N I L L A N R E T X E D T R I K D O Q  
V J W S C W G H A G V L M T H D A L I K M P F F  
P T N E M E L E E N I L N I A R Z C V X D D W V  
J I F G K J K S N Z M G L P A T G B A Y K S O L  
Z P R E J K K Q R Q L D I X A T O K Y F C P C H  
T I E P S T E E H S E L Y T S G N I D A C S A C  
W D T G U W X Y X V H R U I B N R N P H J J G N  
B E V D I S Z F P S K I V A Y O J S Q I W K X C  
H F P F C H Q J Y Y E F D Z S I J G D V X I I P  
L G B W E I K O O C W I Z P T T B O P B I E D H  
P N Y U G E M B E D I G W A P U G R Z B P Y L G  
P I T B I C H B J T K B L P Y L R V O T Q V S F  
Q N K P Z T T E E T I T I G S O X B X H U T Z F  
T R A W E B P A G E N U N L E S A D N T C G C X  
D E I S N W B X A O V L K X R E Z W Q U J N V C  
K K I U M A A I F Q U P F X I R B F I Z B X A M  
O S K G L N G Z Q B B J J Y F Z K F R U L T U J

CASCADING STYLE SHEETS

TEXT EDITOR

PIXEL

EMBED

COOKIE

LINK

RESOLUTION

INLINE ELEMENT

JPEG

FONT

GIF

WIKI

DOMAIN

IP ADDRESS

WEB PAGE

RGB

CONTAINER

SERIF

EXTERNAL

KERNING

HTML

ANCHOR

ELEMENTS

LINK

# விடுகதைகள்

1.

என்னை கீழே போட்டால் நான் உடைந்து  
விடுவேன்.. என்னை பார்த்து சிரித்தால் நான்  
உங்களைப் பார்த்து சிரிப்பேன் நான் யார்?

விடை: கண்ணாடி

2.

முடியும் இல்லாத, முகத்திலும் இல்லாத தாடி  
அது எது?

விடை: காத்தாடி

3.

அறைகள் உண்டு இது வீடு அல்ல, சித்திரமும்  
அல்ல, காவலுக்கு ஆயிரம் வீரர்கள் உண்டு  
கோட்டையும் அல்ல அது என்ன?

விடை: தேன் கூடு

4.

உலகம் முழுவதும் பறந்து செல்வேன்,  
ஆனால் ஒரு மூளையை விட்டு நகர  
மாட்டேன் நான் யார்?

விடை: முத்திரை ( ஸ்டாம்ப் )

5.

ஒரே வயிற்றில் பிறந்தாலும் ஒருவன்  
ஒடுவான், ஒருவன் நடப்பான் அவன் யார்?

விடை: கடிகாரம்.

6.

உடம்பில்லா ஒருவன் பத்து சட்டை  
அணிந்திருப்பான் அவன் யார்?

விடை: வெங்காயம்

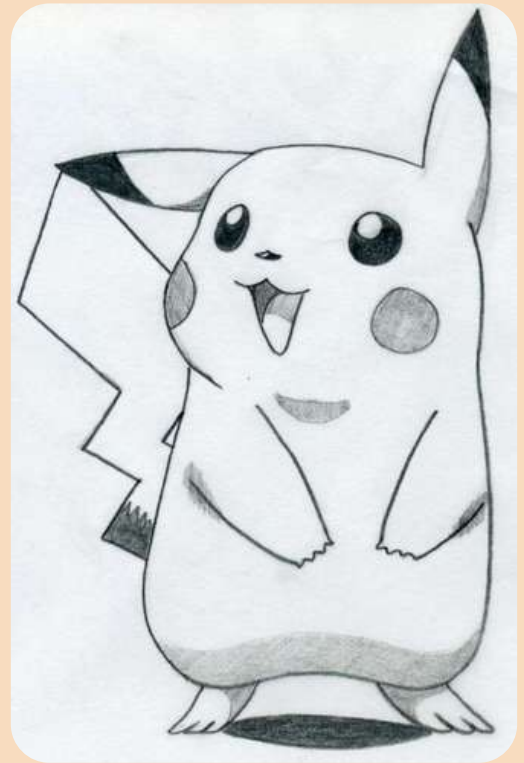
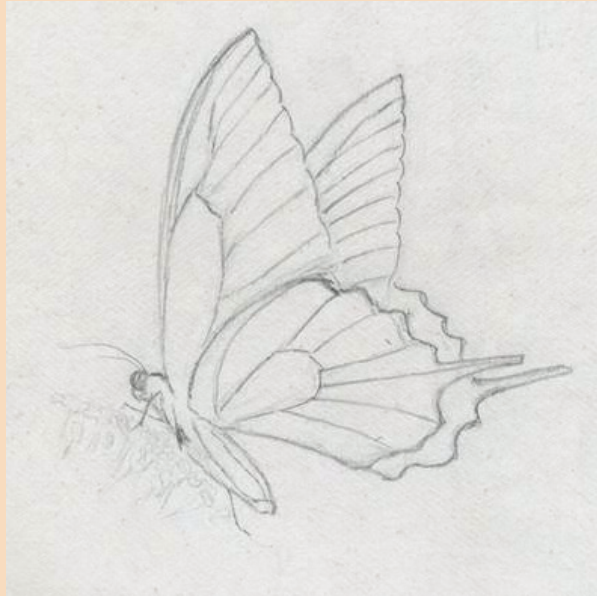


ABILASH K  
III YEAR

# DOODLES



ALAMU C  
IV year



PRAVEEN KUMAR B T  
III year

