B. M. S. College of Engineering
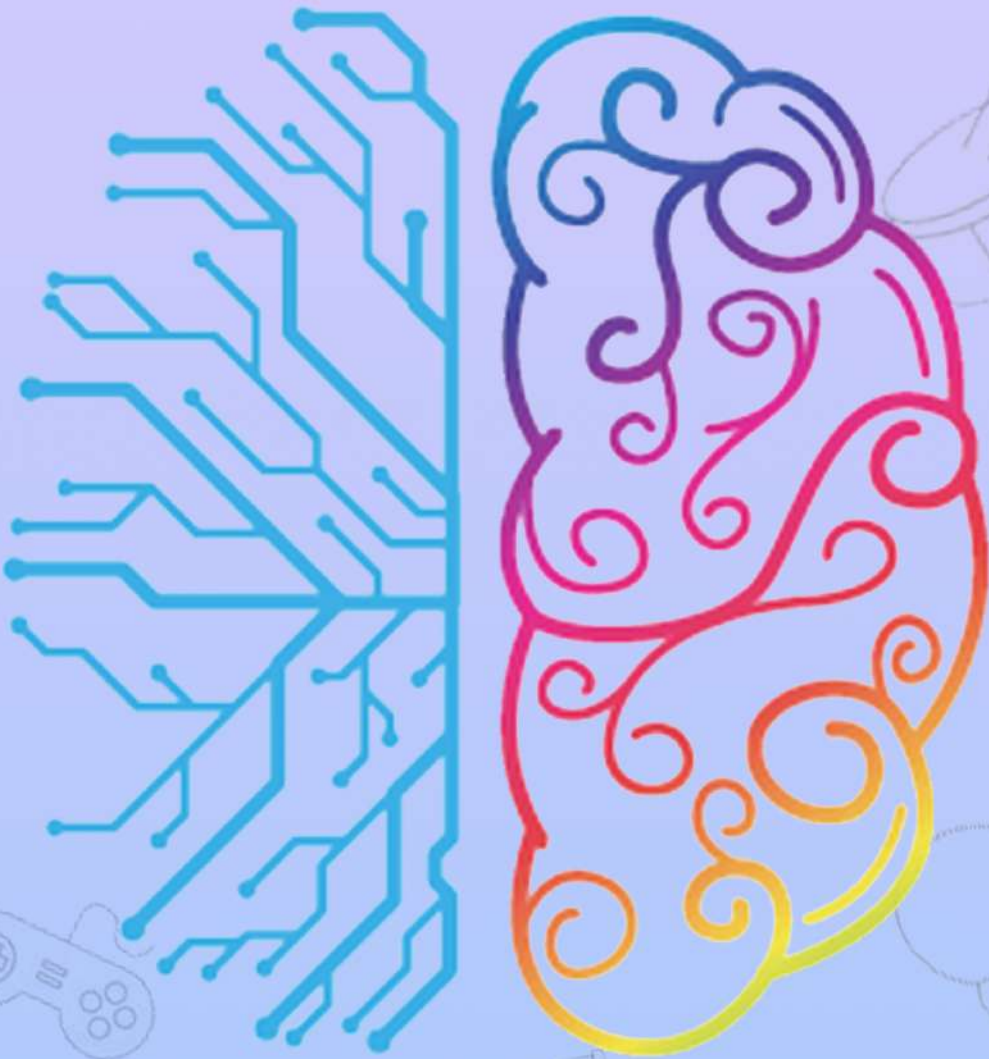
Basavangudi, Bangalore

STRIDE

- Strive to Excel -

Department of Computer Applications

VISION

To emerge as a premier knowledge center for imparting education in Computer applications.

MISSION

M1: Empower students with knowledge, skills and attitude to develop competency in Computer applications through well-defined curriculum and its effective implementation.

M2: Engage in research and development leading to publications/start-ups.

M3: Enhance active collaboration with Industry.

About Department

The department of Computer Applications (MCA) was established during 1984-85 when computer science education was in its infancy in India. The department offers a Masters in Computer Applications programme with an autonomous curriculum for aspiring students in the field of applied computer science and technologies. The MCA programme was started with an initial intake of 30 and later enhanced to 60. The duration of the MCA programme was 3 years until AY 2019-20 and it is reduced to 2 years with effect from AY 2020-21 with an intake of 60. The MCA programme got accredited for 5 years from 2019 to 2024 by NBA. It is a prestigious quality recognition awarded by National board of accreditation for MCA programme.The curriculum includes Internships, Projects, Mini-projects, Soft Skills, Industry visits, Emerging technologies like Machine Learning, IoT, Big Data, Block Chain, Agile methodologies, etc. The department has collaborations with IIT Bombay and IIT Kharagpur to implement MHRD project "NMEICT", IIT Madras (NPTEL), Enterprise Atlas, and Altimertik.

The department has state-of-the-art Computing Lab with more than 100 modern PCs and an exclusive department library with over 6500 books and access to various journals & conference proceedings. In addition, the department has developed Innovation Cluster Lab (ICL) supported by Industry Experts and Data Analytics and Research Lab (DAR) to promote lifelong learning, innovation and research.

The strength of the department is Alumni, Faculty, staff members and students. Our Alumni occupy coveted positions in notable industry and academic institutions. The department has dedicated, committed and accomplished faculty members supported by technical & administrative staff. The department has faculty composition of 1 Professor, 3 Associate Professors, and 8 Assistant Professors along with 6 supporting staff members.

The College attracts hundreds of companies every year to provide jobs to our students. Most of the eligible students get placed in reputed companies. The quality of our students is reflected in their placement track record (both on Campus & off Campus) and the applications developed by them.

Learning is a continuous process and does not end at end of three years. The department believes that innovative teaching-learning methods, coupled with problem solving using modern tools & self-study helps the students to enhance their skills and enable them to handle the challenges faced in their professional life.

Dear Reader,

The Department of Computer Applications, BMSCE proudly presents Students' Annual E-magazine STRIDE-2021. The department was established in the year 1984 and was accorded academic autonomous status by Visvesvaraya Technological University, Belagavi in the year 2016. The M.C.A Programme is accredited by NBA for five years in Tier-1 format for the period 2019 to 2024. Our department focuses on holistic development of students in addition to inculcating excellent technical skills. We constantly strive to provide ample opportunities to students for practical learning, projects, participation in technical contest, value added courses, internships etc. The students are highly encouraged and motivated to actively participate in curricular and extracurricular activities. Stride is students' annual magazine of the department to showcase their creativity, imagination, humanism, humour, visual art and technical competence every year. With immense pleasure, I congratulate the entire magazine committee for the relentless efforts and contribution in releasing Stride-2021. My special appreciation to Mrs. V. Padmapriya for her excellent mentorship and guidance in making Stride-2021 a reality. Kudos to the magazine committee and all the contributors for bringing forth this edition of Stride.
Happy Reading!

--

Dr. S. Uma
Associate Professor, HOD
Department of Computer Applications | BMSCE

Dear Readers / Students

STRIDE is the pride of our Department. STRIDE is our student's magazine that is a wholesome collection of thoughts, art, ideas, and information spanning areas of art, culture, science and technology. This magazine brings out creativity, team work and zeal among the students.

I as faculty coordinator for STRIDE – 2021, take pride to congratulate the STRIDE team for their continuous effort in shaping this e-magazine and prepping up the web release. I thank HoD, faculty, alumni and all the students helping the team for this release. We appreciate your interest in this magazine and welcome you all to this immersive experience.

--

V. Padmapriya
Assistant Professor
Dept. of Computer Applications | BMSCE

STRIDE 2021 Team

Swathi G
5th sem

Neha
5th sem

Rakshitha M
5th sem

Shriya Bhat
5th sem

Jaswanth Reddy
3rd sem

Ganesh Hegde
3rd sem

Karthik G Dath
3rd sem

Sachin Patil
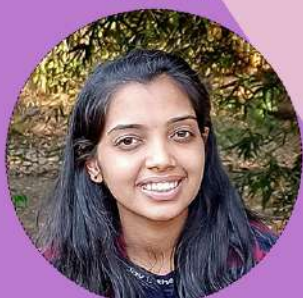3rd sem

Saloni N L
3rd sem

Vaishalini D
3rd sem

Deeksha Hegde
3rd sem

Mahalakshmi BN
3rd sem

Karthik B Hegde
3rd sem
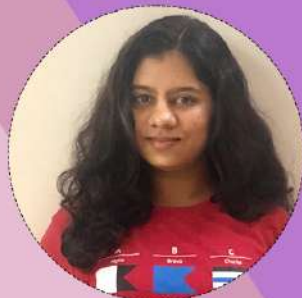
Pooja Hegde
3rd sem

Yuktha A
3rd sem

Vaibhava V
3rd sem

Pragna M
3rd sem

Rithvik K Joshi
3rd sem

Riti Kumari
3rd sem

My Life in BMSCE

Hi friends, myself Nishanth. I am from Mangalore(Tulu Nadu). Let me share experince of my life in BMS College of Engineering(BMSCE).

Like everyone even I was very much excited when I first stepped into BMSCE that's on 13 Oct 2018. Instead of telling excited, I can say it like very much scared because of all these new faces including mine.

When I tell you about college life I always remember the movie Happy Days. Same as this movie even I got some beautiful friends. I made my first friendship in this college with Rohan and Musaib. When I think about this friendship I always feel wow because actually I remembered people saying that India always wanted Hindu, Muslim, and Christain to be together like a friends, that happened in our life. If any AAT to be done as a team, I am damn sure we three always will be in the same team. Since I am from Mangalore I was very new to Bangalore, but these two introduced me to Bangalore.

Like every student has one close lecturer, even I had one that's GK sir because inside class he will be like lecturer completing syllabus, but outside of it he will be completely like a friend cracking jokes and all. Sometimes he will be like "Eno tea ayithaa baro coffee kuteera ge hogana". Personally learned many things from him. And most intresting thing is he introduced me to his old friend "QUESTION MARK -?-". Yes, I can imagine your reactions, he just always wanted to ask questions becuase only by questioning you can get the answer for SUCCESS.

Somehow I had managed to complete 1st sem by cracking my head with all these AAT(till today I don't know what's the full form of this AAT), internals, SEM exams, etc. In my 2nd sem got my new besties Bharath, Vardhini and Anamika. I still wonder that why I took one full semester to become close to these three. And in 3rd sem got excited about becoming seniors, but before enjoying these excitements I got this fear of placements by listening to senior's experience during recruitments. To reduce this fear college gave us the most enthusiastic fest "PhaseShift". I enjoyed a lot in this fest by designing posters and banners and going to other colleges for campaigning by bunking the classes, etc.

Sometimes I wonder how these politician's son becomes leaders without any elections but same thing happended in my 4th SEM with out writing SEM exams got promoted to 5th sem.

Because of this invisible monster Corona I lost all my beautiful college fun, and started going through these online classes by unmuting myself only during attendance and by giving exams through google meet.

I miss a lot like chit chatting with my besties, waiting for one friend in Bus Stop, tea coffees from Coffee Kuteera, UTSAV, Phaseshift, spending time in campus, etc. But I decided to go to face future which is outside BMSCE saying "Macchi I am Ready...."

NISHANTH BHAT
(Nide Graphic Creations)
6th Sem

LIFE

A Professional World

The transition from being a student to a professional in a corporate environment is a rather interesting one. The experience is something that changes and adds perspective about the real world, and prepares us for the rest of our life ahead.

While it is an amazing journey indeed, it is also intimidating. With a plethora of opportunities to shape our career, making a mark in the professional world is also a daunting task, one which every person has to welcome with an open mind. From cracking the interviews in college to obtaining the first offer letter in life, the happiness for me was boundless. In retrospect, it is still one of the biggest achievements in my life.

There is a constant learning curve even after graduating, and to this day, the learning has not stopped, and this process is different yet invigorating. The first day at the company was a rather memorable one since my professional journey began from that point. Learning about processes, workflows, understanding the nuances between juvenile and professional relationships, being committed to the work that yields my bread & butter, and being part of a team that delivers impactful work has all been a wonderful path that I have enjoyed treading on. Learning in the workplace has also taught me the importance of exhibiting performance, indulging in professional communication, and improving my personal development process.

Your first company is a platform that gives a base to your career and gives an understanding of the path you would want to continue on. In addition, IT teaches many of us the art of balancing personal and professional life for a smooth living. Briefly put, IT is a great place to learn new technologies and challenge oneself to go beyond one's capabilities. It is a great place to explore opportunities on a personal and professional level.

- Darshan Singh (2015 Batch)

"Every End is a New Beginning!"

"Just when the caterpillar thought it was the end, it became a butterfly!"

This is what life is all about, it's crazy. Every day we have so much going on with us that we fail to keep track of everything. But, we all are aware that everything has to meet it's end. This is something we stay away from thinking and have no control on.

We all have this fear in our hearts that grows stronger with every single step that we take towards the end of something. I think it'sbecause we all are afraid. Afraid of not knowing what tomorrow will bring, we aren't confident in ourselves. We all would have come across this instance, where we haveasked ourselves questions like, "will I be able to adapt to the change that's coming?", "y should this end?" but fear is a beast that feeds on attention. The more you give it, the more it grows.

Till date, whatever is gone isgone forever, neither can wego back to change the past nor can time travel and start all over again but, we all can take a small step towards beingthe person whom each one of us wants to be. Most importantly we must strive to leave some footprints behind so that we could amaze the future world and make them think so as to "if he can do it then, why can't I? Have we ever wondered why alwaysa new sentence is started with a capital letter after a full stop? Well, I think that's just the world teaching all of us that,

"Every End is a New Beginning!"

Not everything that happens is out of coincidence, It's all part of a plan. All our lives are already planned, every situation, every circumstance, and everything that we deal with was just supposed to happen, and we must learn to trust that it's all for good. We all are where we were meant to be.

All that being said, I just wish we all learn to see each end as a new beginning and make the best out of it every time we are given a chance and never be afraid of tomorrow.

- Vaishalini D (2nd sem)

Impact of MUSIC

on human MIND

Have you ever imagined your life without Music? Certainly not. Music forms an important part of our lives. We hear music when we feel different range of emotions like when we feel happy, sad, cheer, goosebumps, some forget a bad memory or remembers a beautiful memory that we cherish. Even when we get bored, many of us tend to listen to music. It doesn't matter which language it is or if we know the lyrics or understand it, sometimes we like the background music. Music soothes our mood, cheers us and it brings to a state of calmness when we hear it. We can say that music impacts out mind in a certain way. This article is about the impact of music on human mind.

To begin with, our day starts with Music. How?? We keep alarms to wake up. Many of us set alarm tone some songs or some instrumental music that makes us wake up peacefully. We don't like to set somethings that irritates our mood when we wake up in the morning. We hear it while we are at the gym, when we commute to our office or college we listen to music because it brightens up our mood. It makes us happy. When we have a bad day at our office or when we involve in fights with someone and feel bad, we listen to music and feel calm. We listen to different genres of music depending on how we are feeling.

There are specific genres of music which is said to make us feel happier. Earlier, People in India loved to hear classical music like Carnatic music, Hindustani music and other forms mainly because of the meaningful lyrics in it.

It had life lessons embedded to it. People used to relate the message to their lives and enjoy it. Music appeals to our mind depending on the musical instruments used, the musician and many other factors. Nowadays, pop music is more popular because it has repetitive lyrics and DJ songs because of its beats. We see how music makes an impact while we watch movies. It is because of good music that we have such a huge influence on them.

Music plays a very important role in the growth of children. Kids sleep easily listening to music. It is found that music training in children over a certain period time improved their cognitive and decision making skills.

We saw how music makes a good part of our lives. Now let us know why music has such a big impact on our lives. We associate music with our life events. Some music makes us remember some of our life's memories. We call this as Anchors. This is the reason why we feel good when we listen to music in bad mood. When we listen to music, we tend to remember good memories associated with it. The reverse is also true that some music makes us feel bad because there are many bad memories attached to it. This is why sometimes we dance to music and sometimes we cry listening to it.

This is how music can be used to treat mental ailments like Depression. We can reduce the symptoms of depression using music therapy. It is also found that Alzheimer's can treated and also we can reduce the effect of body pain when we hear music. There are many other uses of music therapy in helping patients recover from illness.

These are the impacts that music has on physical and mental health of human beings. Music is a great tool using which we can improve the experience of our life.

-VIGNESH S S
(IV sem MCA)

Use of Plastic bags and their effects on the Environment

Plastics are with us for quite a century, and by now they're everywhere, permanently and for ill. Can we expect our life without plastics? It won't be very exaggerating to mention that whenever we open our eyes, we end up seeing products of plastic. In fact, plastic rules our life. But have we ever thought this over-dependence on plastic kills our Mother Earth little by little each day? Though there are many in the number of usages of plastics, we concentrate only on the foremost common: the plastic bags. The requirement to implement various measures to avoid wasting planet earth has become even more urgent as we still inch towards a noticeable disaster that we've got created for ourselves. Plastic bags are very talked-about in most of the enterprise since they're cheap, strong and lightweight. Half of all plastic produced is intended to be used just once. although they're one in each of the trendy conveniences that we seem to be unable to try and do without, they're answerable for causing pollution, killing world life, posing threat to domesticated animals and consuming the valuable resources of the world. Every year around 380 million tonnes of plastic bags are used worldwide. Such a big amount of that, over one thousand bags are getting used every minute and that they are damaging our surroundings. Not surprisingly India's plastic consumption is additionally very high. Should we say that we are witnessing "Plastic Pollution" which exposes us to several dangers? a number of the harmful effects of plastic bags: • Plastic! Plastic! Everywhere: Per annum, more and more plastic bags are ending up covering the planet. Plastic bags find their way into our waterways, pathways, parks, grounds, bus and railway stations, beaches and streets and in one word everywhere. • Life threat to Animals: About 1 million marine animals such as Dolphins, Turtles, Whales are killed each year because of plastic bags. In our country cows are the most victims. Many animals swallow plastic bags, mistaking them for food and thus die.

• Plastic bags are non-biodegradable: And one of the worst environmental effects of plastic bags is that they're non-biodegradable that's they do not get decomposed. It's really shocking to know that plastic bags, bottles take about 450 years to decompose in the landfill. We cannot burn them without harming the health of individuals, nature and also the atmosphere. • Plastics are the by-products of petroleum: Petroleum is a perishable natural resource. Hence overuse of plastic cannot only drain the God-given resource, directly and indirectly, it also harms Mother Earth by provoking to begin new factories to supply more plastic to cater for the growing need. • Hence, we want to try and do something. We've got to begin today. Hence. I propose few ways to use less plastic on a daily basis. Avoiding buying items packaged in plastic: Look for other items that aren't over-packaged. No doubt good packs are a feast to the eyes, but poison to nature! • Using cloth shopping bags instead of plastic ones: Let's store reusable bags somewhere handy in private vehicles or in the store-room, take them while we are out for shopping. • Skipping bottled water or cold drinks: Plastic bottles are one of the top listed common types of litter everywhere. Let's become more natural, drinking fresh juices and natural water. • Recycling: Thinking of new uses for old items rather than discarding them for buying new ones. • Saying no straw please: Straws are hygienic but disposing of them is a real headache. • Using washable and reusable cups, plates or utensils. These are the little steps towards an excellent beginning. If all people are aware we can certainly create tidy, village, town, state and a nation. Our greatest gift to the subsequent generation may be a clean, healthy and exquisite Mother Earth. It's in our hands and minds. Our contribution does actually matter. Let's say no plastic and save the globe. the world we've could be a gift of God to us, what we make, it's our gift to God. "Praise be to God, For Mother Earth, your greatest creation, Which is incredible and humble And precious and chaste"

by
Anitha Peris
II MCA

Truly Friends?

The modern fake friends:
A normative critique

We see everyday friends continuously appearing in our day-to-day triumphs, but some would disappear once we like them the foremost. A quote by Benjamin Franklin says that "A fake friend and a shadow attend solely whereas the sun shines," which means pretend friends, like all friends, offer support once life is nice, however, they continually abandon America once our days flip dark.

Back in my school days, I could safely term everyone my friend. Starting new journey in new city feels challenging. Everywhere you see, there are cases of aggression and cyberbullying bought about by poor friends, frenemies and fake acquittances. These so-called allied are frauds that have different people. They likewise tend to remain one-dimensional and role of cliques. For that reason, it is important that people especially students learn the difference between real friends and fake ones. The first step is to understand what a fake friend really is. According to Merriam-Webster dictionary definition, a fake friend is someone who has been hurt or betrayed by another person. The work 'fake' can be used to mean anything from a person who has been cheated on. It can also refer to someone who has been lied about. The term 'fake friend' is often used to describe people who are not only dishonest but also have inflated sense of self-worth. They are usually very manipulative and deceptive, which makes them seem like a good friend. When you see someone who is faking, it's easy to think they are just being nice. However, this is not always true; sometimes they are lying to make themselves feel better. If you find yourself in a difficult situation where you think you might get harmed in some way by someone ese, try to remember you are not alone. A fake friend can be you or either me?

by Priyanka Shinde
2nd sem

AST Module - V8 Engine

What's an AST?

Abstract Syntax Tree in essence a syntactic structure of code represented as branched nodes.

Parsing

The JS code in its raw form is run through a parser which results in an AST to help out with the syntactic structure of our source code..

Parsing is a process which is looked into critically as to it being one of the most extensive resource consuming tasks as it has to parse through many LOC.

This is done in two phases of which may be repeated multiple times as need be to factor in performance:

Eager parsing :

The JS which has to executed at the moment is eagerly parsed

(function add(x, y){ return x+y; })();

In the example above, the function declaration such as an IIFY, is eagerly processed as the contents of it are to be parsed.

Lazy parsing :

function add(x, y){ return x+y; }

In the case above, the function mul is evaluated as opposed to the function body within the parenthesis are not parsed, it will be done when mul is called upon.
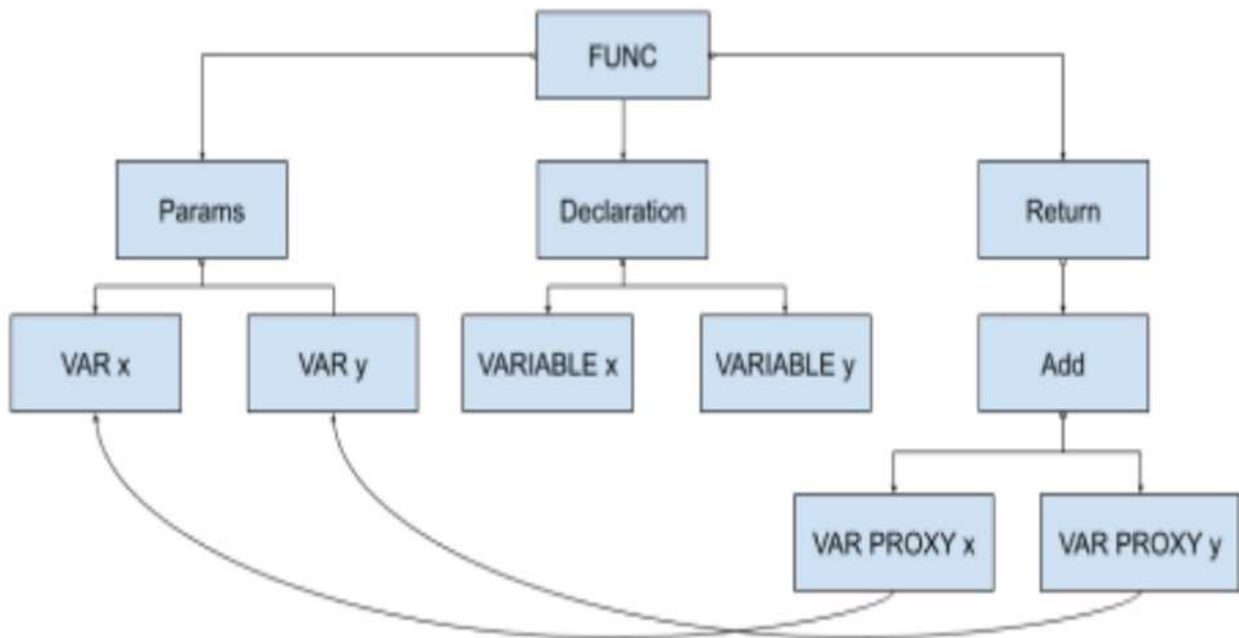
-Jeevan Kishore
(2015 batch)

CYBER SECURITY

Prince Borah
4th Semester,MCA

What is Cyber Security?

Also known as Information Technology Security or Electronic Information Security, it is the practise of defending computers, servers, mobile devices, electronic systems, networks and data from malicious attacks. It can be divided into few common categories such as:

Network security: The practice of securing a computer network from intruders whether targeted attackers or opportunistic malware.

Application security: It mainly focuses on keeping software and devices free of threats. A compromised application could provide access to data its designed to protect.

Information security: It protects the integrity and privacy of data, both in storage and in transit.

Operational security: It includes the processes and decisions for handling and protecting data assets. The permissions users have when accessing a network and the procedures that determine how and where data may be stored or shared all fall under this category.

Disaster recovery and business continuity: It defines how an organization responds to a cyber-security incident or any other event that causes the loss of operations or data.

End-user education: It addresses the most unpredictable cyber-security factor. Anyone can accidently introduce to a virus to an otherwise secure system by falling to follow good security practices.

Why is Cyber security IMPORTANT in today's world?

In today's time technology reached a peak wherein all the industries, banks etc. use computers moreover, information in these computers are stored in cloud. Many people use online transactions to transfer money, for hackers this is an opportunity to steal the valuable information using malwares. Following are some of the reasons why cyber security is important in today's world.

-Hackers can now utilize artificial intelligence and machine learning to trigger automated cyberattacks that can be easily compromise secure networks without any human interference. These automated cyber-attacks can pose a highly global threat which can be infected in a huge scale. So, they must implement a robust cyber security plan that detects and responds to malicious activity before it causes damage and disruption.

-As the IoT grows exponentially, there are billions of devices which are connected to the world, this means that the cyber security is utmost important. By installing mobile apps which require access to personal user data. Hence, the hackers find it easy to breach the data as there is less security, so cyber security is important for all the connected devices.

-The internet has grown exponentially since its inception, both in terms of users and data. This rapid growth has led to a dependence on the internet both personally and professionally. One might store personal photos, passwords, accounts, and information in the cloud, which means one could suddenly lose many valuable things if his/her account is breached. Cyber security is the only option to protect against these types of risks including the Cloud support, backup and recovery services.

What are the Benefits of Cyber Security?

Cyber security is in the constant combat involving cyber threats, it is critical to the sectors across industries and institutions that involve protection as their prime focus to safe guard the data. Below are some of the benefits of cyber security:

-To protect the data or information from any other unauthorized access.

-Improvement in business continuity and Information security management.

-Providing security consolidation to stakeholders in terms of information security arrangements.

-Enhanced security controls without compromising on company credentials.

Types of Cyber Threats

There are three types of cyber threats:

Cyber-crime: This includes a single group or person which target only systems for financial gain or to cause disruption.

Cyber-attack: This involves politically motivated information gathering.

Cyber terrorism: This includes the use of internet to conduct violent acts that results in or threaten the loss of life. Finally, if cybersecurity protocols are built to seamlessly to manage data security and prioritize compliance, then organizations will have significant security advantages with higher chances to combat any potential chances of a cyber-attack. But given the scenario, it is highly likely that the government will place more localized security protocols to secure their digital space and that of their consumers.

FLUTTER
-The game changer

Flutter is the UI framework by google initial released in May 2017. So why do I call it a game-changer because of its flexibility and single code base. Traditionally if you want to master a particular platform like web or mobile technologies, he needs to learn different programming languages. But in the case of FLUTTER, it uses DART programming which is inherited from java, java-script and other object-oriented programming languages.

If you master flutter you can build and develop applications for multiple platforms like mobile(android-IOS), web, desktop(Windows, MAC, Linux). The latest news in google I/O 2021 dart language can be deployed as a container and deployed in docker, Hence you can use dart for backend programming language.

Key Facts

-According to a survey by StackOverflow, 68.8% of developers love Flutter and have shown interest in continuing to develop in the technology. Flutter is one of the least dreadful and most wanted applications according to their numbers.

-According to Google Trends, the interest in Flutter has been increasing over the past 12 months in the United States. As shown in the image below, blue is for Flutter and Red for React Native. The trend is almost the same in worldwide statistics

Concluding, in the next 5 years flutter can take over its competitors. Since it is backed by Google it has excellent documentation with massive growing communities, flutter saw a huge surge with overtaking its competitor react-native last year.
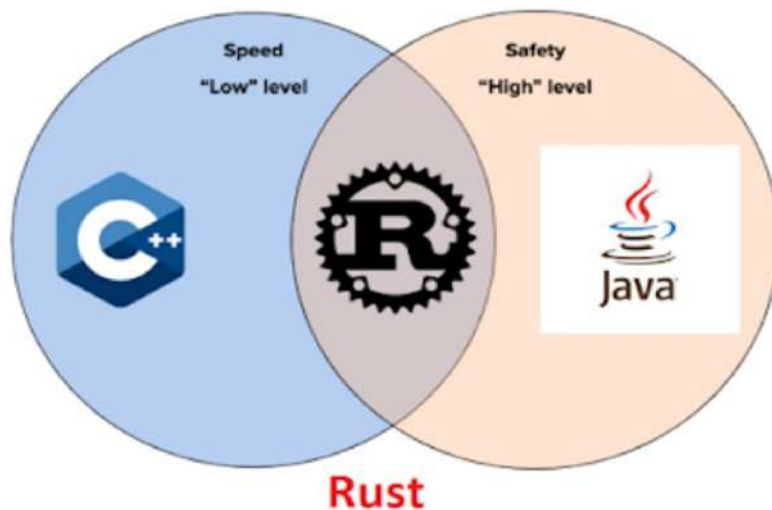
Apps build on Flutter

-BOUNCE

-KITE by Zerodha

-GOOGLE PAY

By
Bharath S
Batch 2019

The programming language that empowers everyone to become a systems programmer.

Rust

I. Rust is a system programming language developed by a Mozilla Worker "Graydon Hoare" in 2006. He described this language as a "safe, concurrent and practical language" that supports the functional paradigm.

II. The syntax of rust quite similar to the C++ language.

III. Rust is free and open-source software, i.e., anyone can use the software freely, and the source code is openly shared so that the people can also improve the design of the software.

IV. Rust is declared as one of the "most loved programming language" on the stack overflow developer survey in 2016, 2017 and 2018.

There is no direct memory management like calloc or malloc. Which is there in C and C++ means, the memory is managed internally by Rust.

Rust is for-
-Rust language is ideal for many people for many reasons.

-Team of developers: Rust was very useful for the "team of developers". Low- level programming code contains bugs which need some extra testing by the testers. However, in case of Rust, compiler refuses to compile the code if the program has some bugs. By working parallel to the compiler, the developer can focus on the program's logic rather than focusing on the program bugs.

-Students: Using Rust, many people can learn how to develop the operating system. The Rust team is trying to make the system concepts more accessible to the ordinary people, especially for those who are new to the programming and coding.

-Companies/Organization: Large or small companies use Rust to accomplish various tasks and solutions for a problem. These tasks include command line tools, web services, DevOps tooling, embedded devices, audio, and video analysis and transcoding, cryptocurrencies, bioinformatics, search engines, Internet of Things applications, machine learning, and even significant parts of the Mozilla Firefox web browser.

-Open-source developers: Rust is an open-source language means that the source code is available to the people/community. Therefore, they can use the source code to improve the design of Rust language.

- Gautam Raj Kumawat (IV SEM)

QUANTUM SUPREMACY

REDEFINING THE FUTURE OF COMPUTING

Supremacy is a term which was proposed in 2012 by John Preskill, a Professor of Theoretical Physics at the California Institute of Technology, which refers to a quantum computer solving problems that cannot be expected of a classical computer in a normal lifetime.

Quantum computers work differently from the classical computers. Exploiting the principles of quantum mechanics, they can easily tackle computational problems that may be tough for classical computer as the size of the number of inputs involved grows bigger. Unlike desktops or laptops, they resemble the air-conditioned server rooms of many offices or stacks of central processing units connected by tangled wires and heaped in freezing rooms. Conventional computers process in 'bits', whereas quantum computers compute in 'qbits' (quantum bits). Here, processors can be at 1 and 0 simultaneously, a state called quantum superposition. This superposition lets one qbit perform two calculations at once, and if there are two qbits, they can help perform 22 calculations simultaneously, if there are three qbits, they can perform 23 calculations simultaneously, and so on. This increases the speed of computation. A quantum computing machine with less than even a 100 qbits can solve problems with lots of data which are not possible for even the most powerful super computers. Because of the quantum superposition, a quantum computer can mimic several classical computers working in parallel.

So what we have with Quantum Supremacy is a collection of these quantum computers working in coordination to solve problems that might take a classical computer two to three lifetimes to solve, in a matter of minutes. This gives rise to a lot of possible developments and accelerations in the field of IT and anything and everything involving it. So, as is agreed by a lot of IT giants these days, achieving Quantum Supremacy is the way forward for developing a completely digital world.

-Poornima Dixit
4th sem

Impact of AR/VR in the Future

Augmented and virtual reality are the two buzzwords in the information technology field. Augmented reality comes into the picture when digital information is overlayed onto the actual physical world. For example, games such as Pokemon Go uses AR and Snapchat uses AR with the lens feature which in turn uses facial recognition to create a target image on the user's face. Virtual reality is a fully immersive computer-simulated environment that gives the user the feeling of being in that environment instead of the one they're actually in. VR positions the user inside an experience and enables them to interact with the 3D world. For example, Facebook's Oculus headset is a VR device that tracks the user's motion like fingerprint and translates into virtual reality.

How AR and VR technology is useful?

The usage of AR and VR applications or devices gives the users an enhanced and great experience which makes the user easy to access and use it. Thus, it increases interoperability and success.

The pros of using AR and VR technology are listed as follows:

1. It widens the practising skills for young professionals through eLearning which is innovative even for mentally and physically disabled students
2. It results in descriptive analysis for understanding user behaviour in social media platforms.
3. AR is used in the tourism sector to provide better exploration routes that are it overlaps the directions and details of display and also provides information about the landmarks nearby to the place the user is planned to visit.
4. AR helps in efficient diagnosis and early detection of ailment.
5. VR introduces the known products to new audiences and thus increases sales.
6. VR has also its scope in the sports field where the user can experience the goal movement as close to the football field. goal movement as close to the football field. goal movement as close to the football field.

How AR and VR technology is malicious?

The cons of using AR and VR technology are listed as follows:

1. The AR technology requires high cost for cost and maintenance.
2. They can harm health issues like psychological effects and continuous use may lead to low eyesight problems.
3. The AR applications are more endangered to cyber-attacks and threats.
4. Participation in a virtual environment restricts an individual's real-world activities which can cause obesity issues.
5. Lack of privacy and security is one of the major limitations of AR.
6. Lack of flexibility that is when an individual uses a VR headset which provides a different experience that is a software is built only for one specific use and not for multiple uses.

As years pass on gradually, the virtual reality environment is consistently emerging and revolutionalizing. It could result in many of the benefits to almost any field, but it can also prove to be dangerous. As a whole, the digitalization in education through the usage of AR and VR devices is considered a fruitful achievement.

Shwetha H
5th sem

Human Augmentation

"Human Augmentation" or also known as "Human enhancements" simply defines itself to be the technologies that enhance human productivity or capability, or that somehow add to the human body.

Although human augmentation is thought as a futuristic technology but the truth is variety of human augmentation forms are already available today, it is integrated into a user's life, which basically becomes an extension for technology to be considered as an augmentation it has to be intuitive, persistent and part of the overall human experience on a daily basis. Human augmentation should be a part of human identity, they can be organised based on their functions and they are:

*Technology that replicates human ability:

Technology that restores human ability is categorised as replication, in this category are hiring aids, naked prosthetics,more. These devices provide immense psychological benefits to their users. We're starting to see more advanced examples of prosthetics every day that get closer and closer to the real thing, creating important new opportunities from the people who need this technology.

*Supplementing human ability:

Technology that increases the ability to do things fall under this category,

exoskeleton, neura-link, google glass. Human augmentation that supplements our intellectual and physical limitations could reshape our culture. Supplementing our strength, speed, endurance, and five senses would redefine the human experience and expand possibilities.

*Exceeding Human Ability:

This technology allows humans to do things which they generally can't do such as breathing underwater or smelling chemicals that are easily detected by our noses, all the category this is the most exciting but evolvement in this technology involves only specific industries, from humans having synthetic memory chips if they are more forgetful or having artificial blood cell, the wings of this technology just keep's spreading. Most famous examples of this category include Zapata fly board air, invisibility cloak and nanoboat.

On a final note:

-Human enhancements does not affect ontogenetic identity, it also affects bodily & social identity.

-However whether to have a reason to promote a particular enhancement will require a need and a wisdom for the betterment of the society.

-Going against the natures design is not something the world is looking for but to improve a disability or increase one's productivity would be the main aim, so there's no harm in buying height, intelligence, beauty, extra energy until and unless there's no self-harm or harm to the society involved in it.

-KEERTHANA BHUSHAN S N
5th sem

ACRASIA

There is a sickness found in 95 per cent of the world's population which has prevented the majority of the people to move forward in their life. It's known as Acrasia, an Italian word described as lack of self-control or the state of acting against one's better judgement which means the habit of saying "should do it". When something is said with "should do it", it does not create any urgency and/or importance in our brain, and there is no deadline attached to it. A teacher said to a student that you should wake up early in the morning, should study with complete focus and should work hard to achieve your goals in life. The student believed and got agreed that he should wake up early, study and work hard to achieve his goals. The moment teacher said he "should do it" and the moment the student agreed that he "should do it", the brain of the student subconsciously believed that the work had been done. And since there was no deadline fixed to that and there was no urgency towards that statement, so the result was "no action" or "inaction" towards those tasks (i.e. waking up early, studying and working hard) in that statement. Instead of that if the teacher had said that wake up early in the morning tomorrow, and study now in a class with complete focus. Then, the student would think about the statement for a minute and would give the necessary attention to it. This would have created a loop of thoughts in his brain whether or not he needed to do those tasks. And if he needed to do those tasks,

subconsciously, his brain would have the sense of un-fulfilment and dis-satisfaction until the work had been done; and the student would take necessary actions to satisfy the restlessness of his subconscious brain. Whether or not he would had done those tasks but one thing is clear that, both consciously and subconsciously, he would have been certain about whether he did it or not. And that would provide him with clarity about his thoughts and actions. Acrasia is a sickness where people say that we should do this and we should that, but never do it for real.
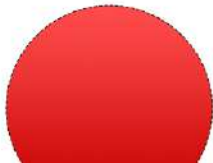
How Acrasia is born?

1. When you don't have clarity about your goals and needs, when you are unclear about your needs in your life, your brain sees everything as vague. You do not pay attention to the things in your surroundings, do not get aware of the happenings, and do not give importance and urgency to almost all of the aspects in your life because, according to your brain, you do not need to. And then, you say "I should do this, I should do that".

2. When you can not anticipate the path you need to travel to achieve your goals even when you are clear about your needs and goals, but can't take a guess and can not anticipate which path to take to reach your goals then also you say "I should do this and I should do that to reach my goal" since you are not certain about the path to reach your goals.

3. When your brain pictures the negativity in your life before achieving your goals when you know your goals and you know the path to be taken, but even then if you picture the negativity and failure before reaching your goals, your brain starts giving excuses to not to move forward in that direction (i.e. path to achieve your goals). Then again you say, "I should do that (i.e. something else) instead of going in this direction".

4. What you need in your life is not decided by you, Whenever you see someone else achieving his goals, you start thinking that you should need that thing in your life. Or when someone else comes to you and says that he has achieved this and that in his life, and convince you that you also need the exact same thing in your life. Then, your brain gets convinced at that moment that you have that need, but after some time, without the proper understanding and emotional attachment to that thing, you start losing grip (attention) on that thing, and then again you say "I should do something else instead of this".

5. Short term benefits interests more, when you have a goal and you made a plan to achieve that, but do not picture it completely and do not make your mindset about that goal, and simply in the haste of achieving the prize at the end of goal you just start walking on that path. But as soon as you do that, you realize that you are not getting anything sooner on that path. And because of your improper understanding and picturization of the goal, and your "Short Term Benefit" attitude, you have no patience and you start losing the longer vision about what you are going to achieve at the end of that path. Then you come back where you started and then again you say "I should do this, I should do that". So, in your life, never say in your mind "Should do this", always say "Do it", and then "Do it".

Anmol Kumar Singh
5th Semester MCA

GENE BANK?

GENE BANK is the type of biorepository that preserves genetic materials. For plants, this is done by in vitro storage, freezing cuttings from plants, or stocking the seeds. In India, we have the world's second-largest gene bank in New Delhi. As many species of flora and fauna are getting diminished due to the adverse effect of pollution, technological sophistication, pesticides, chemical fertilizers etc. So hence there is a need to store these genetic materials so that researchers or farmers can withdraw samples from these "gene" banks to help rebuild the population of rare plant varieties and animal breeds or to help increase genetic diversity within species.Gene banks also preserve cells or organisms that host unusual gene variants, genes with special traits. Those genes might later prove useful when some disease epidemic strikes when the climate changes or when the climate changes or when other factors threaten the survival of plants or animals.

About the National Gene Bank:

Established in 1996 to preserve the seeds of Plant Genetic Resources for future generations. It has the capacity to preserve about one million germplasm in the form of seeds. It stores different crop groups such as cereals, millets, medicinal and aromatic plants and narcotics etc. Presently the National Gene Bank has been protecting more than 4.52 lakh accessions, of which 2.7 lakh are the Indian germplasm while the rest have been imported from other countries.

Types of Gene Banks:

- Seed bank.
- In vitro Bank.
- Cryobank.
- Pollen bank.
- Field gene bank.

Seed Bank:

A seed bank preserves dried seeds by storing them at a very low temperature. Spores and pteridophytes are conserved in seed banks, but other seedless plants, such as tuber crops, can't be preserved this way. The largest seed bank in the world is the Millennium seed bank housed at the Welcome Trust Millennium Building(WTMB), located on the grounds of Wakehurst Place in West Sussex, near London.

In Vitro Bank:

In this technique, buds, protocorm and meristematic cells are preserved through particular light and temperature arrangements in a nutrient medium, which is either jellified or in liquid form. This technique is used to preserve seedless plants and plants that reproduce asexually or that require preservation as clones such as commercial cultivars.

Cryobank:

In this technique, a seed or embryo is preserved at very low temperatures. It is usually preserved in liquid nitrogen at -196 degrees Celsius. This is helpful for the conservation of species facing extinction.

Storage Of Pollen:

This is a method in which pollen grains are stored. Using this technique, plants with one set of chromosomes can be made. The pollen is stored in liquid nitrogen. This method is useful for crossbreeding.

Field Gene Bank:

This is a method of planting plants for the conservation of genes. For this purpose, an ecosystem is created artificially. Through this method, one can compare the differences among plants of different species and can study them in detail. It needs more land, adequate soil, weather etc.

Approximately 30,000 species per year about 3 per hour are being driven to extinction. Approximately 80 per cent of the decline in global and biological diversity is caused by habitat destruction.

IS THE GENE BANK SOLUTION FOR THIS........?

- Likith B R
6th sem

SWARGA NAMMA DURGA

-Neha(4th sem)
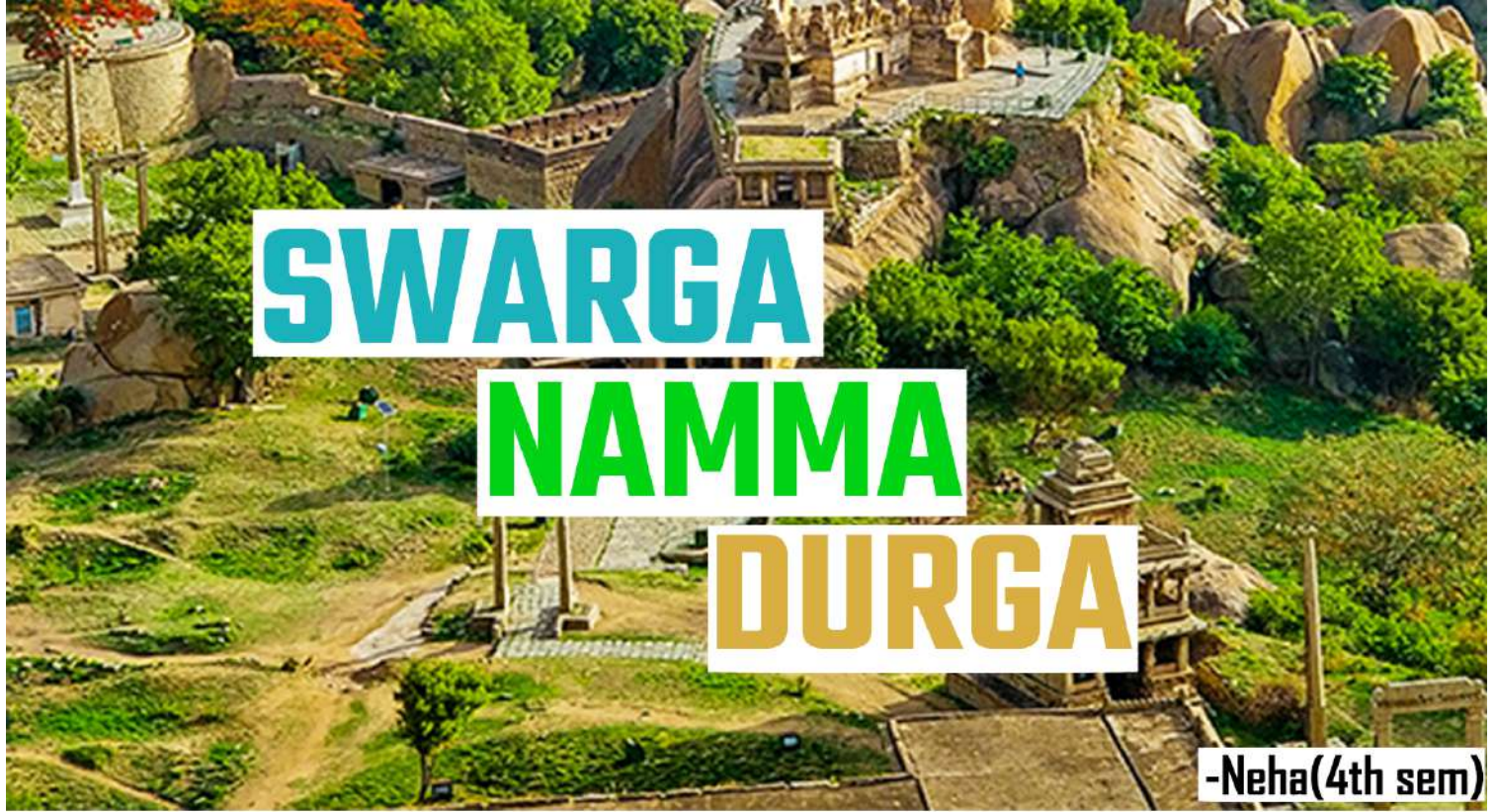
Chitradurga is simply called the fort city or commonly known as Kotte Nadu of Karnataka. Chitradurga is a place with a historical significance which is located to the North West about 200 km from the state capital Bengaluru. Chitradurga is a major tourist hub in Karnataka. Swarga is a Sanskrit word for Heaven and I live in this place.

I would like to tell some unknown facts about Chitradurga.

Chitradurga came under the rule of Kadambas of Banavasi. Later it was ruled by many dynasties and kings like Chalukyas, the Pallavas, the Rastrakutas, the Cholas, the rulers of Vijayanagara, chieftain(Paleyagaras) of Kamagethi family, Hyder Ali, Tippu Sultan, and the Wodeyars of Mysuru. Chitradurga became the capital of Paleyagaras. Madakerinayaka was prominent and powerful of them. Onake Obavva, who fought against Hyder Ali is considered a brave woman in Indian History.

Some of the distinct places which I would like to elate about are:

Chitradurga Fort -The invincible fort of Chitradurga has been suitably planned for the war techniques of the contemporary days. This fort has 19 main entrances, 38 wicket entrances, 35 portholes, and 4 secret entrances. There are 14 major temples. Other monuments and places of tourist interest are Murugamata, Onakekindi, grinding stones of gun powder, remnants of the royal palace, granary, oil tanks, the 40 feet high swing stand, watchtowers, gun holes, military quarters, and others.
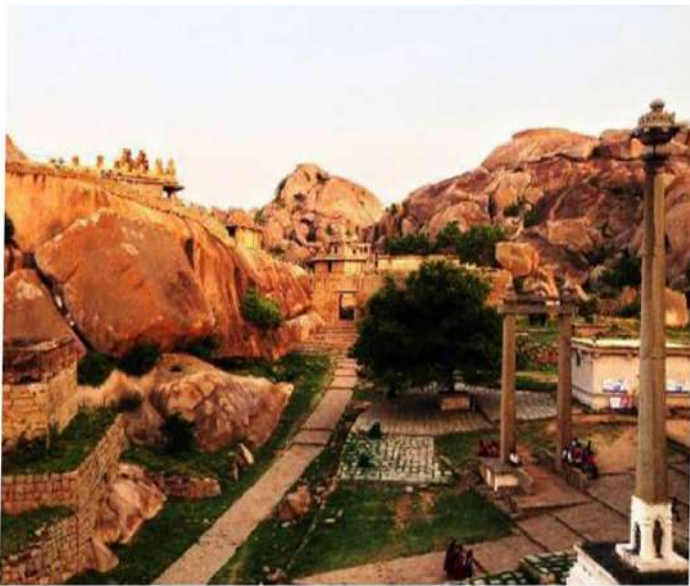
Chandravalli Caves -the cave temple is around three km from Chitradurga. It is a pre-historic site that is semilunar in shape. This temple is located amid three hills. A lake adds to the charm of this picturesque cave temple. There are many niches inside the cave that can hold lamps. There is a spot where one relax inside the cave and it has been designed in such a way that the person inside can see the visitor but not vice versa. The cave has many secret doors and resembles a maze.

Jogimatti is a reserve forest area close to Chitradurga. This is a place of scenic beauty and is known for the sights of animals spotted here like Leopard, blackbuck, sloth bear and a host of birds. Jogimatti is the highest point in the district, at 3,803 feet above sea level popularly known as the Ooty of Central Karnataka.

Vani Vilas Sagar -popularly known as Mari Kanive .It was built by the Mysore Maharajas pre-independence across the river Vedavathi. Vani Vilasa Sagara is the oldest dam in the state with a length of 405m .The dam is an exquisite piece of architecture, an engineering marvel for that time.
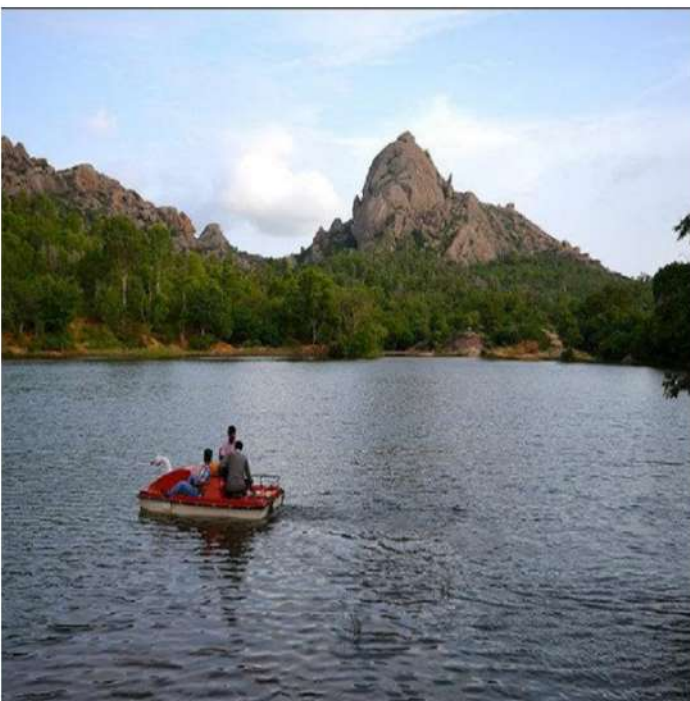
9/11 Attack

September 11 attacks, also called 9/11 attacks, series of airline hijackings and suicide attacks committed in 2001 by 19 militants associated with the Islamic extremist group al-Qaeda against targets in the United States, the deadliest terrorist attacks on American soil in U.S. history. The attacks against New York City and Washington, D.C., caused extensive death and destruction and triggered an enormous U.S. effort to combat terrorism. Some 2,750 people were killed in New York, 184 at the Pentagon, and 40 in Pennsylvania all 19 terrorists died. Police and fire departments in New York were especially hard-hit: hundreds had rushed to the scene of the attacks, and more than 400 police officers and firefighters were killed. The Plot Key parts of the September 11 plot took shape in Hamburg. Four of the key pilots and planners in the "Hamburg cell" who would take operational control of the September 11 attacks, including the lead hijacker Mohammed Atta, had a chance meeting on a train in Germany in 1999 with an Islamist militant who struck up a conversation with them about fighting jihad in the Russian republic of Chechnya. The militant put the Hamburg cell in touch with an al-Qaeda operative living in Germany who explained that it was difficult to get to Chechnya at that time because many travellers were being detained in Georgia. He recommended they go to Afghanistan instead. The Attack At 9:59 am the World Trade Center's heavily damaged south tower collapsed, and the north tower fell 29 minutes later. Clouds of smoke and debris quickly filled the streets of Lower Manhattan. Office workers and residents ran in panic as they tried to outpace the billowing debris clouds. Several other buildings adjacent to the twin towers suffered serious damage, and several subsequently fell. Fires at the World Trade Center site

smouldered for more than three months. Rescue operations began almost immediately as the country and the world sought to come to grips with the enormity of the losses. Nearly 3,000 people had perished: some 2,750 people in New York, 184 at the Pentagon, and 40 in Pennsylvania; all 19 terrorists also died. Included in the total in New York City were more than 400 police officers and firefighters, who had lost their lives after rushing to the scene and into the towers. The Aftermath World markets were badly shaken. The towers were at the heart of New York's financial district, and damage to Lower Manhattan's infrastructure, combined with fears of stock market panic, kept New York markets closed for four trading days. Markets afterwards suffered record losses. The attacks also stranded tens of thousands of people throughout the United States, as U.S. airspace remained closed for commercial aviation until September 13, and normal service, with more rigid security measures, did not resume for several days.

"We call on the American people to remember how we all felt on 9/11, to remember not only the unspeakable horror but how we came together as a nation—one nation. Unity of purpose and unity of effort is the way we will defeat this enemy and safer for our children and grandchildren."

By Kavyashree C.P,
5th Sem MCA

The Moon

I am here alone, walking in the
night,
Moving here and there, searching for
light
Passing in the darkness, thinking
everything's fine,
Waiting for the light, for the future's
bright shine.

Under this huge sky. I silently walk,
Thinking there is no one to whom I
can talk
I see a light coming from the moon.
This gives me hope,
That things will be fine very soon.

Friendship

Friendship is a special bond
Which is deeper than the deepest
pond
It is mainly based on trust
Which in friendship is a must.
In true friendship one can die
But never tell a single lie.
True friendship can never end
And you are lucky if you have a true
friend
So I think my search
For the definition of friendship must
end
And begin to search
For a loving, caring and true friend.
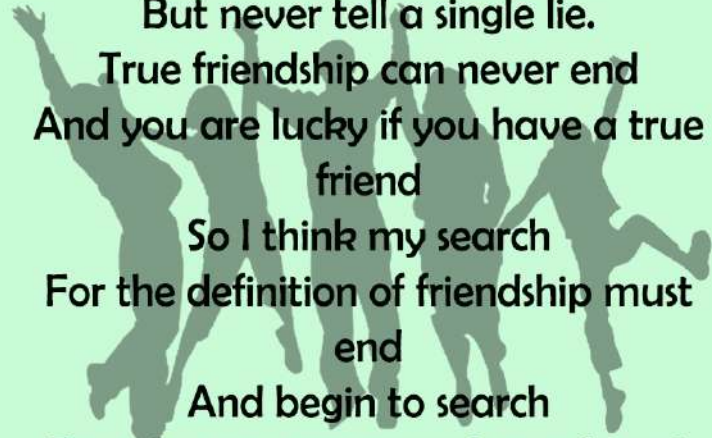
Best Friend

She's like an umbrella in the rain
She shares all your pain
She's the person you tell all
May be big may be small
You trust her to the core
And believe she'll open you a door
She'll scold you at every mistake
She pulls you up when you are down
And brings a smile from a frown
She's the assassin of all your fears
And she's the tissue of all your tears
She drives away all your greed
A friend in need is a friend indeed
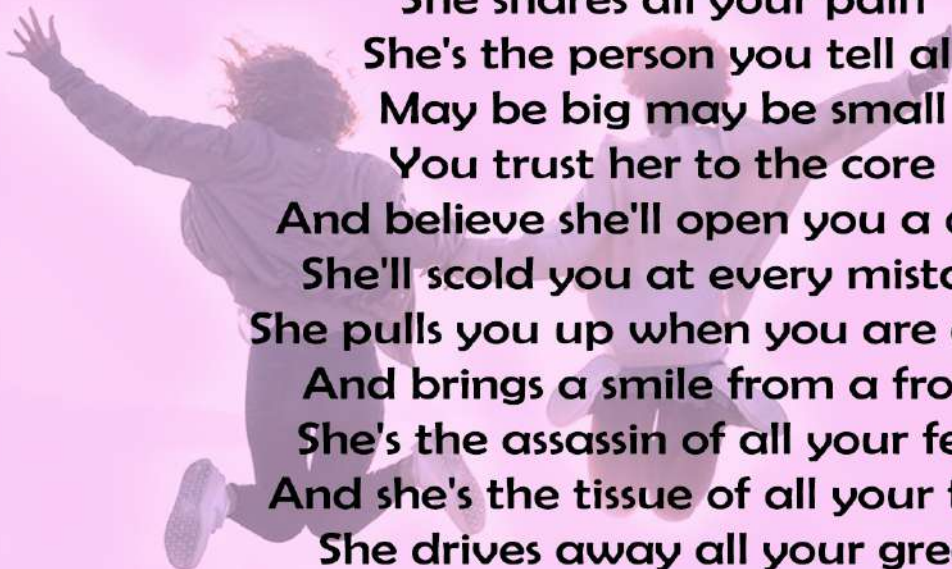
BY,
Swathi.G
4th Sem

Once in a while
try something new,
hold that smile
there's a lot to do,
in those every mile
you fall hard,
get up in style
and never give up

HASHMITHA
4th sem

COVID-This time of the era is one of the difficult times for everyone, instead of feeling low and lost, let's try something new to make ourselves and everyone around us happy.

Let's keep smiling, which will give us and everyone around us hope and willingness to not give up.

No matter how many times we face difficulty, let's just look cool and solve every problem with style.

"<u>Never Give-Up</u>❤"

HASHMITHA
4th sem

CHASING
DREAMS

A dream is ensuing of one's aspiration
Invest the efforts to get justification
Making a move should have a clear vision
Where never a one point it as an illusion

I have been rushing for my desire
Always have keen to do extraordinaire
Sometimes the way I choose backfire
Nevertheless, I resume with Inspire

Dream big till it reaches the star
Have a spark inside to cut the fear
Never bother regarding one's roar
Pursue your own way like a scholar

Life is all about chasing the Dreams
Don't let this freebie out of lams
Push yourself so as allied to whams
Fortunate enough to beat outdreams

by Rakshitha S (MCA 4th sem)

HELP

If you help me because
I help you, that's
Fairness

If you help me beacuse
You are afraid of me, that's
Fearfulness

If you help me because
I pay you, that's
Business

If you help me because
You want something, that's
Selfishness

If you help me because
You like me, that's
Softness

But.......
If you help me although
I have harmed you, that's
Forgiveness

©Gowda Pooja Umesh
4th sem

LET THE RAINS SHOWER
DOWN
LET THE CLOUDS POUR OUT
THE RAIN
ON THE MISTAKES OF
YESTERDAY
LET THE DRY GROUND GET
WET AGAIN
LET THE SUNSHINE BE
AFRAID
TO SHINE ON A RAINY
DAY.......
LET THE TREES DRINK ALL
THEY CAN
LET THE PEOPLE FILL ALL
THEY CAN
CAUSE IN THE END
IF THE RAIN STOPS AGAIN
ONCE AGAIN

THERE WILL BE PAIN
THERE WILL BE PAIN
LET IT RAIN
LET IT RAIN
LET THE HEAVENS THEN
DECLARE
IT WILL RAIN
IT WILL RAIN
IN THE END
THERE WILL BE PAIN
BUT BE NOT ALL AFRAID
IN THE END, IT WILL RAIN
AGAIN........

BY SACHIN PATIL
3RD SEM

HEART KNOWS

Heart knows everything before you say..

Ought to utter a million things which sense ..

Afraid to hide within because

The heart knows everything..

The heart knows everything

Holding the flaw of things around..!!

Yet fallen for your immense love within....

Certainly where everyone glimpse for your heed

But our soul craved for each other..

Someday the heart crunches for you .

And orbit your soul as u desired for.

Because the heart knows everything ....

- Swathi G
4th sem

You're not perfect
Nor am i
We're broken,
Broken pieces of our hearts are scattered,
Scattered and lost
But the pieces of your heart left
Matches the pieces of what I've lost
Which makes us perfect.

Baseball and barbedwire
Fuel and start fire
Our heart burns
Like a flare up in the sky
I am your Puddin
And you are my Quinn.

When you're happy or
When you're sad
We'll take a walk on
Empty roads with
Brown trees
Maple leaves and
Cold breeze
Hand in hand
You and me.

The seed of love has been planted in the chest
The rain of tears has been poured
Leaf from the sprouts are out and
Rays of hope has been fallen on the tender leaf
Roots of an immortal tree has begun to grow
Deeper and deeper into the chest of love.

-Shanbhogh Rohan Bharadwaj
3rd Sem

सुनो ये आवाज़

सुनो ये आवाज़
पहले मीठा लगता था
आब डरवाना लग रहा है *!*
जेसे ये घुस्से में तांडव कर रहे हैं *!!*
सुनो ये पानी का आवाज़
मुझे दार लग रहा है
जिसे देख के मान शांत होता था ,
आज उसे देखने की हिम्मत नहीं हो रही*!*
पता नहीं कब हमको भी ये अपने साथ बहा के ले जाएंगे*!!*
सुनो ये आवाज़ कितिनी तेजी से बढ़ रहा है *!!*
है भगवान कुछ एसा चमत्कार कर की मुझे
फरि से इनकी आवाज मीठा लगे
इनके रुद्र रूप प्यार में बदल जाये*!!*
क्यूकी मुझे और जीना है*!*
 बोहोत हैं सपने आंखों में जन्हिे पुरा करना है *!*
मुझे और जीना है *!!* |
 सुनो ये आवाज़ कितिनी तेजी से मेरे और बढ़ रहा है*!*
लेकनि मुझे और जीना है....

Ishani Bohra
5th sem

बेटा बेटी है एक समान

हम लोगो को पता है
बेटा बेटी है एक समान
पर कितने माँ- पिता है
जो करते है उनको अपमान !!

बेटो को भेजते है स्कूल और
बेटियों से करवाते है काम
कहते है बेटी होती है पराई
जो जाएगी दूसरे के नाम !!

बेटी भी कर सकती है बेटो जितना काम
माँ-पिता का रख सकती है बेटो जितना ध्यान
बस माँ-पिता को करना होगा एक काम
बेटा बेटी को रखना होगा एक समान !!

-Sonu Sarraf
2nd sem

ನೆನಪಿನಂಗಳದಿಂದ..

ಈ ನಡುವೆ ಬದುಕೆಂಬುದು ಭರವಸೆಯ ಹೊಸ್ತಿಲಲ್ಲಿ ಕಾಯುತ್ತಾ ನಾಳಗಳ ಚಿಂತೆಯಲ್ಲಿ ಕಳೆದುಹೋಗುತ್ತಿದೆ ಎಂದೆನಿಸುತ್ತಿತ್ತು. ಆದರೇನು ಮಾಡುವುದು ? ಕಳೆದು ಹೋದ ದಿನಗಳ ಕುರಿತು ನೆನೆದು ಮನಸ್ಸನ್ನು ಗೋಜಿಗೆ ಬಿಡುವ ಬದಲು ಬರುವ ದಿನಗಳ ಕುರಿತು ಚಿಂತಿಸುವುದು ಒಳಿತು ಎಂದೂ ಕೆಲವೊಮ್ಮೆ ಅನಿಸುವುದುಂಟು. ಆದರೆ ಇಂದಿನ ಈ ಜೀವನದಲ್ಲಿ ಪರಿಪೂರ್ಣತೆಯನ್ನು ಹುಡುಕುವಾಗ, ಬದುಕಿನ ತೊಳಲಾಟಗಳನ್ನು ನೆನೆದಾಗ, ಅದೆಷ್ಟೇ ಖುಷಿಯ ಬದುಕು ನನ್ನದಾಗಿದ್ದರೂ ಅದರಲ್ಲಿ ಒಂದು ಸಮಗ್ರತೆಯಿಲ್ಲ. ಎಲ್ಲವೂ ಇದ್ದೂ ನಡು ನಡುವೆ ಏನೋ ಒಂದನ್ನು ಕಳೆದುಕೊಂಡಂತೆ ಭಾಸವಾಗುತ್ತದೆ. ಅದೇನಿರಬಹುದು..? ಎಂದು ಮನಸ್ಸನ್ನು ಪ್ರಶ್ನಿಸಿಕೊಂಡಾಗ ಏಕೋ ಮನಸ್ಸು ಒಮ್ಮೆ ನನ್ನ ಬಾಲ್ಯದ ದಿನಗಳತ್ತ ಸಾಗಿತು. ನಾಳಗಳ ಚಿಂತೆಯಿಲ್ಲದೆ, ಯಾವುದರ ಬಗ್ಗೆಯೂ ತಲ ಕಡಿಸಿಕೊಳ್ಳದೆ ಕೇವಲ ಅಂದಿನ ಖುಷಿಯನ್ನು ಅಂದೇ ಅನುಭವಿಸಿ ಅಲ್ಲಿಯೇ ಬಿಟ್ಟು ಮುಂದೆ ಸಾಗುತ್ತಿದ್ದ ಮುಗ್ಧ ದಿನಗಳವು.

ಕಾಲಚಕ್ರ ಕಳೆದು ಹೋದಂತೆ ಮನುಷ್ಯನ ಜೀವನ ಶೈಲಿ, ಬದುಕಿನಲ್ಲಿ ಖುಷಿಯನ್ನು ಬರ ಮಾಡಿಕೊಳ್ಳುವ ರೀತಿ ಎಲ್ಲವೂ ಬದಲಾಯಿತು. ಒಂದು ಕಾಲದಲ್ಲಿ ಹೊಸ ಬಟ್ಟೆಯನ್ನು ಧರಿಸಿ ಕುಣಿದಾಡುವಾಗ ಆಗುತ್ತಿದ್ದ ಖುಷಿಗೂ ಇಂದು ಅದನ್ನು ಧರಿಸಿ ಜಾಲತಾಣಗಳಲ್ಲಿ ಹರಿ ಬಿಡುವ ಆತುರತೆಗೂ ಬಹಳ ವ್ಯತ್ಯಾಸವಿದೆ ಎಂದೆನಿಸತೊಡಗಿತು. ಅದೆಷ್ಟು ಸುಂದರ ಆ ದಿನಗಳು..! ಸರಕಾರಿ ಶಾಲೆ, ಮಳೆಗಾಲದಲ್ಲಿ ಜಾರಿ ಬಿದ್ದು ಏಳುತ್ತಿದ್ದ ಅಲ್ಲಿನ ಆಟದ ಮೈದಾನ, ಇಂದಿಗೂ ಮಾಗದೆ ಉಳಿದಿರುವ ಗಾಯದ ಗುರುತು, ಶಾಲೆ ಮುಗಿಯುವ ಸಮಯಕ್ಕೆ ಕೇಳುವ ಘಂಟೆಯ ಸದ್ದಿಗಾಗಿ ಕಾತರಿಸುತ್ತಿದ್ದ ಕಿವಿ, ಶಾಲೆ ಮುಗಿಸಿ ಬಂದ ತಕ್ಷಣ ಸಿಗುತ್ತಿದ್ದ ಅಮ್ಮನ ಸಿಹಿ ಅಪ್ಪುಗೆ, ಮನೆಯ ಹತ್ತಿರದ ಗೆಳೆಯರು, ಅವರ ಜೊತೆ ಕಳೆದ ಕ್ಷಣಗಳು, ಲಗೋರಿ ಕಣ್ಣಾಮುಚ್ಚಾಲೆ ಆಟ, ಅಜ್ಜನ ಮನೆಯ ದಾರಿ, ರಾತ್ರಿ ಅಜ್ಜಿಯ ಕೈ ತುತ್ತು, ಇಂದಿಗೂ ನೆನಪಿನಂಗಳದಲ್ಲಿ ಅಚ್ಚಳಿಯದಂತೆ ಉಳಿದಿವೆ.

ಇನ್ನು ಪ್ರತಿ ವರುಷ ಬರುವ ರಾಷ್ಟ್ರೀಯ ಹಬ್ಬಗಳು, ಹಬ್ಬದ ಪೆರೇಡ್, ಅದರ ಆಚರಣೆಯ ವೇಳೆಗೆ ಸಿಗುತ್ತಿದ್ದ ಸಿಹಿ ತಿಂಡಿಗಾಗಿ ಹೊಡೆದಾಟ, ಶಾಲಾ ಪ್ರವಾಸ, ಸ್ನೇಹಿತರ ಜೊತೆ ಊಟ, ಮನೆ ಮಂದಿಯೆಲ್ಲ ಸೇರಿ ಆಚರಿಸುತ್ತಿದ್ದ ಹಬ್ಬಗಳು, ತಿಂದಷ್ಟೂ ಬೇಕೆನಿಸುವ ಹಬ್ಬದ ತಿಂಡಿ, ಅಮ್ಮ ಶ್ರದ್ಧೆಯಿಂದ ಮಾಡಿದ ಉಪ್ಪಿನಕಾಯಿ ಮತ್ತು ಹಪ್ಪಳ, ನಮ್ಮೂರ ರಥೋತ್ಸವ, ಹಬ್ಬಕೆಂದು ಕೊಂಡುಕೊಂಡ ಬಳೆ, ರಿಬ್ಬನ್ ಟೇಪ್, ಅಜ್ಜನೊಂದಿಗೆ ಪೇಟೆಯಲ್ಲಿ ನಡೆದ ದಿನಗಳು, ಪಾರ ತಲೆಗೆ ಹೋಗದೆ ಹೊಡೆಸಿಕೊಂಡ ಕ್ಷಣಗಳು, ಒಳ್ಳೆಯ ಬೆಂಚಿಗಾಗಿ ಸ್ನೇಹಿತರ ಜೊತೆ ಜಗಳ, ಜಾತ್ರೆಯಲ್ಲಿ ಕದ್ದ ನೈಲ್ ಪಾಲಿಶ್, ಮರದಿಂದ ಉದುರಿಸಿ ತಿಂದ ಮಾವಿನ ಕಾಯಿ, ಮಳೆಗಾಲದ ಪತ್ರೊಡೆ, ಪೇಪರ್ ದೋಣಿ, ತುಂಬಿ ಹರಿಯುತ್ತಿದ್ದ ಹಳ್ಳ, ಜೋರು ಗಾಳಿಗೆ ಹಿಂದು-ಮುಂದಾಗುವ ಬಣ್ಣದ ಕೊಡೆ, ಅಬ್ಬಾ! ಅದೆಷ್ಟು ಚಂದ ಆ ಬದುಕು..! ಅಂದು ಐದು ರೂಪಾಯಿಗೆ ತಿನ್ನುತ್ತಿದ್ದ ಶೇಂಗಾದಲ್ಲಿ ಇದ್ದ ಖುಷಿ ಇಂದು ಹೋಟೆಲ್ಲಿ ಕುಳಿತು ತಿನ್ನುವಾಗ ದೊರೆತಿಲ್ಲ.

ಬಾಲ್ಯವೆಂಬುದು ಜೀವನದ ಒಂದು ಪ್ರಮುಖ ಘಟ್ಟ. ಅದರ ಪ್ರಾಮುಖ್ಯತೆ ತಿಳಿಯುವುದು ಅದನ್ನು ದಾಟಿ ಬಂದ ನಂತರವೇ. ಬದುಕಿನಲ್ಲಿ ಅದೆಷ್ಟೇ ಖುಷಿಯ ಕ್ಷಣಗಳು ಬಂದರೂ ಬಾಲ್ಯದ ದಿನಗಳಲ್ಲಿದ್ದ ಆ ತೃಪ್ತಿಯನ್ನು ನೆನೆಸಿಕೊಂಡರೆ ಈಗಿನ ಈ ತಾತ್ಕಾಲಿಕ ಸಂತೋಷವೆಲ್ಲ ಒಂದು ಶೂನ್ಯ ಎನಿಸಿಬಿಡುತ್ತದೆ.

Shriya Bhat Balehittalu
4th sem

ಶ್ರಮ

ಶ್ರಮವೊಂದು ಇರಬೇಕು
ಕಡಲ ಅಲೆಯ ಹಾಗೆ
ಕಾಲೆಳವರ ನಡುವೆ
ಕಾಲವೇ ಹಿಂತಿರುಗಿ ನೋಡುವ ಹಾಗೆ

ಉತ್ತುಂಗಕ್ಕೆ ಏರುವ
ಕನಸೊಂದು ಕಾಣಬೇಕು
ಅದ ನೆರವೇರಿಸಲು
ಗುರಿಪೊಂದು ಇರಬೇಕು

ನಮ್ಮೀ ಜೀವನವಿದು
ನಮ್ಮದೇ ದಾರಿ
ಬದುಕ ಬಾಳು ಇಂದು
ಅಳಿಸದಂತೆ ನಿನ್ನೆಸರು ಮುಂದೆಂದು.

-Rakshitha S
4th sem

ಹೀಗೆಂದೂ ಆಗದಿರಲಿ

ಭೂತ,ಭವಿಷ್ಯದ ಚಿಂತೆಯಿಲ್ಲದೇ
ವರ್ತಮಾನವ ಜೀವಿಸುವ ಮಗುವಿನ
ಮುಗ್ಧ ನಗುವು ಮಾಯವಾಗದಿರಲಿ...

ತನ್ನದೇ ಭರವಸೆಯ ಲೋಕದಲ್ಲಿ
ಬದುಕಿನ ನಾಳೆಗಳ ಕಂಡ
ವಿಶ್ವಾಸಗಳಿಗೆ ಕಡಿವಾಣ ಬೀಳದಿರಲಿ...

ಎಲ್ಲರಿಗಿಂತ ಮೊದಲಿಗನಾಗ ಬೇಕೆಂಬ
ಹುಚ್ಚು ಹಠಕ್ಕೆ ಬಿದ್ದ ಮನುಜನು
ದ್ವೇಷ ಅಸೂಯೆಗಳ ದಾಸನಾಗದಿರಲಿ...

ನಾನೇ ಹೆಚ್ಚೆಂಬ ಒಣಜಂಬದ
ಅಹಂನ ಅಲೆಗೆ ಸಿಲುಕಿ
ಬಂಧಗಳ ಬಾಂಧವ್ಯವು ಕೊಚ್ಚಿ ಹೋಗದಿರಲಿ...

Deeksha Hegde
2nd sem

"As a woman I have no country.
As a woman I want no country.
As a woman,
my country is the whole world."

----Mother Teresa

Banashree Majumdar
MCA 2nd sem
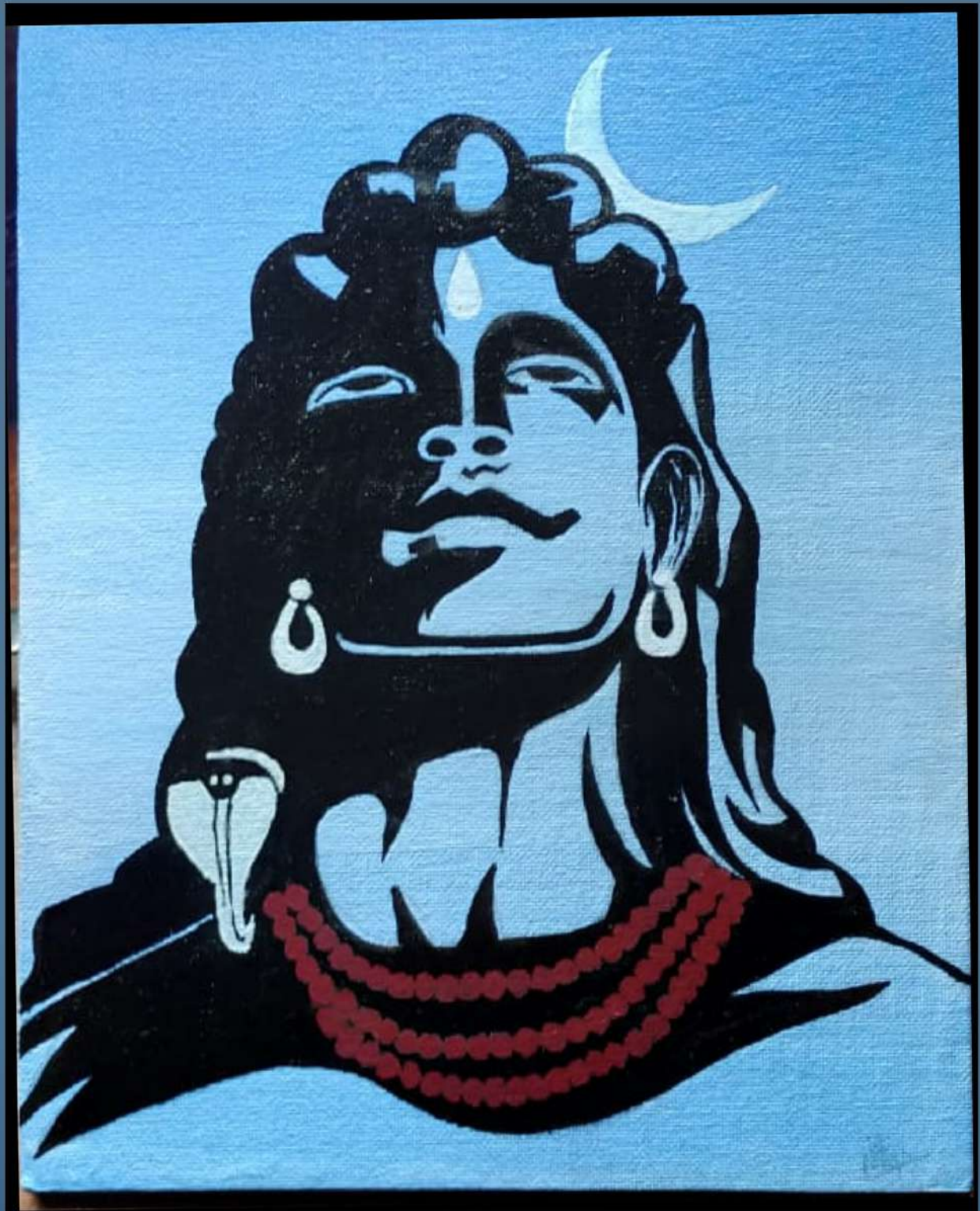
By
Nitya
6th sem

BY
Megha Mandara AP
4th sem

। वक्रतुण्ड महाकाय सूर्यकोटि समप्रभः ।
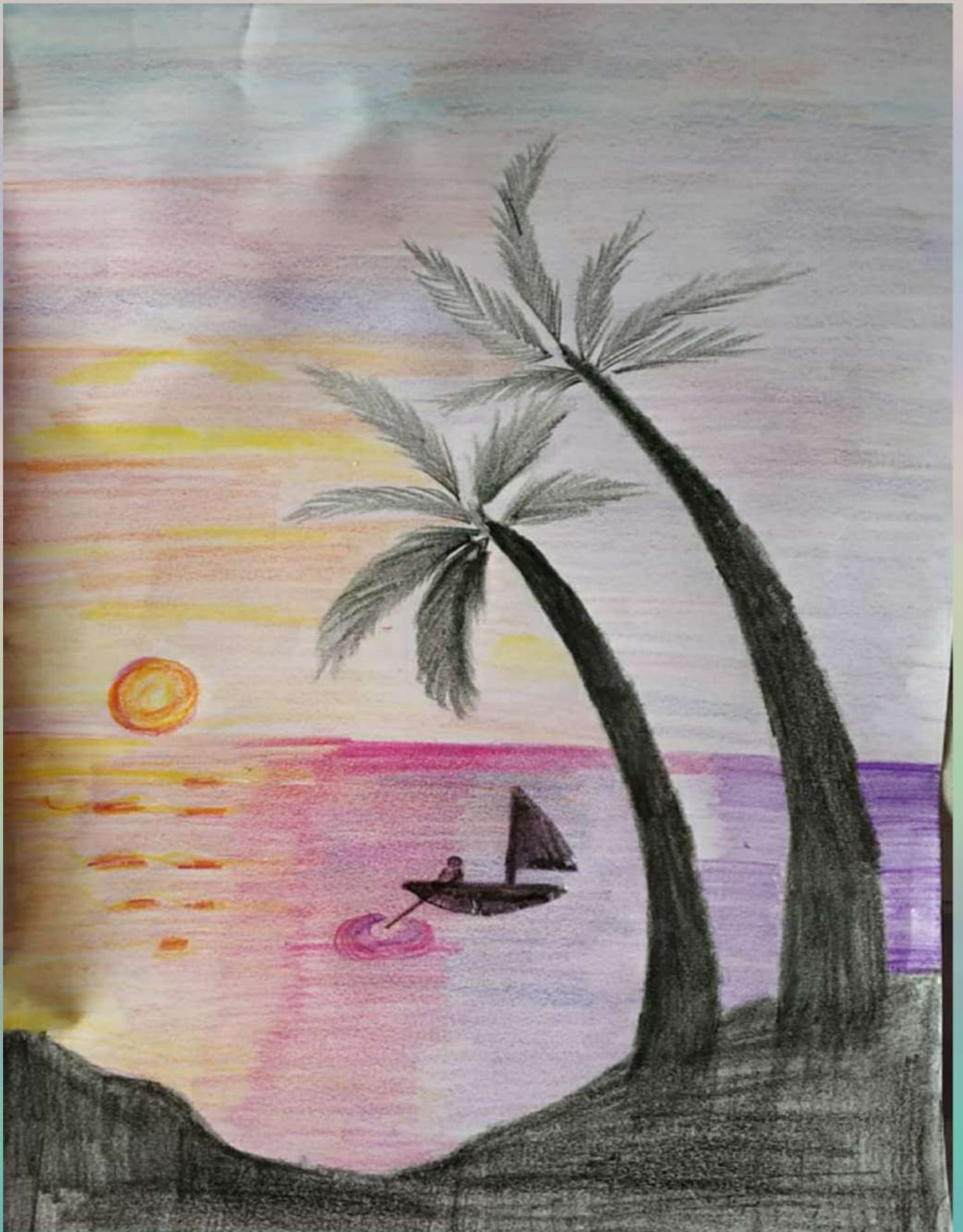निर्विघ्नं कुरु मे देव सर्वकार्येषु सर्वदा ॥
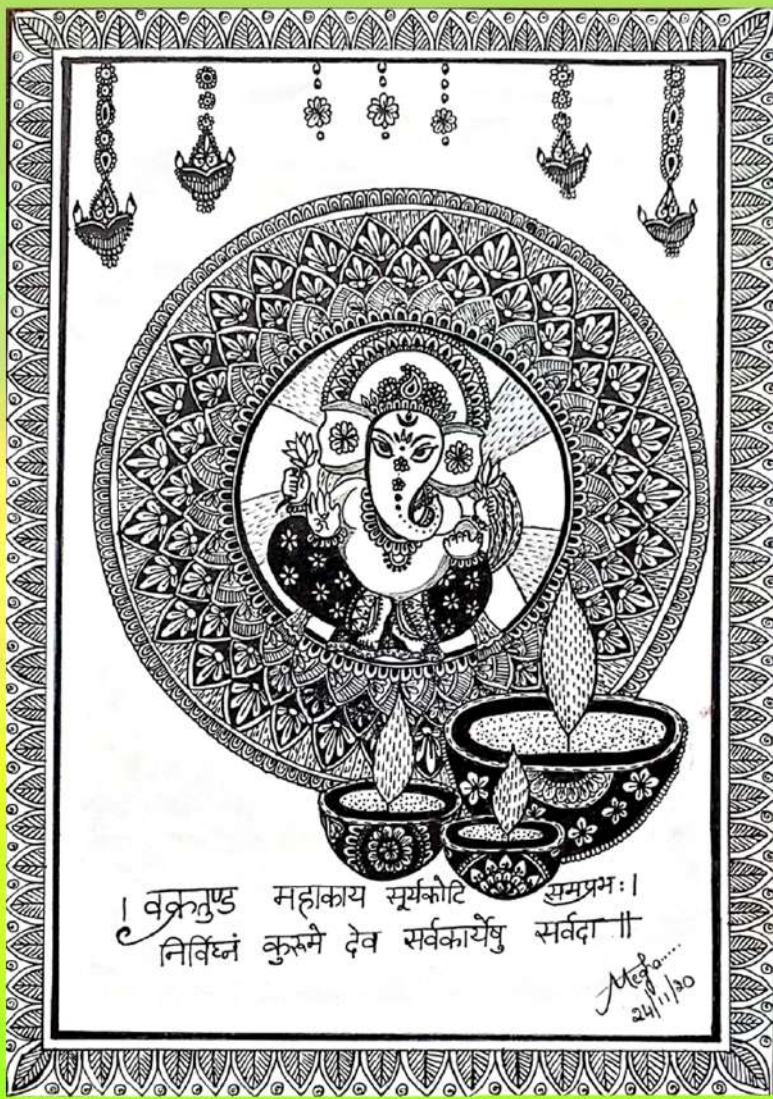
by
Megha Mandara AP
4th sem

By
Jaswanth Reddy E
2nd Sem

By Vidya R
4th sem
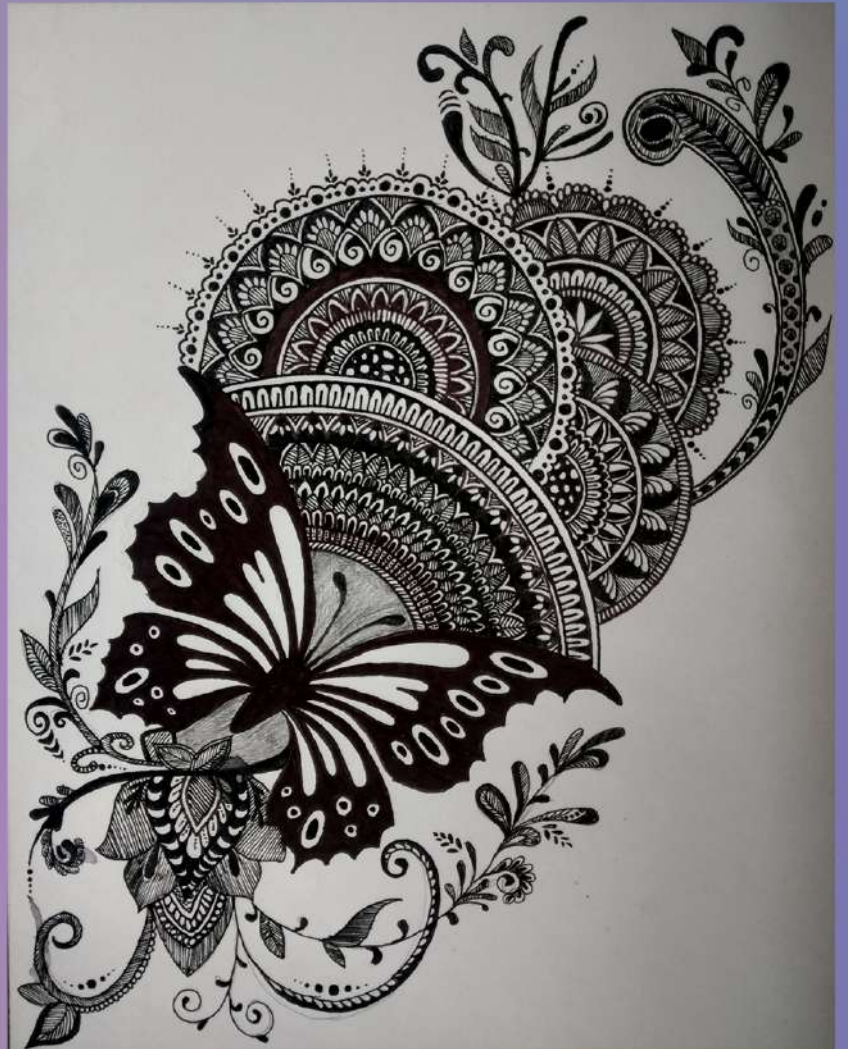
BY
Vaishalini D
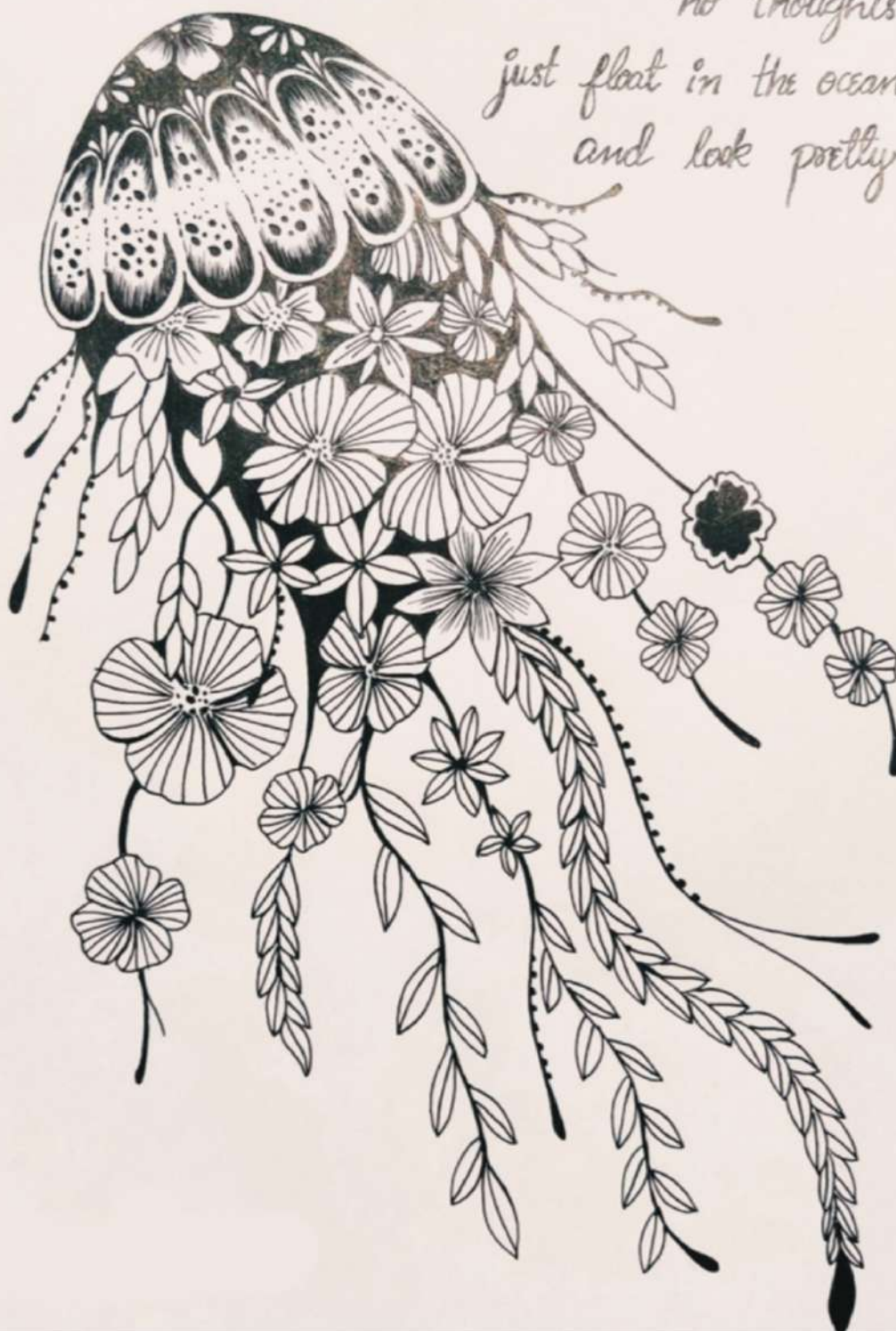2nd sem

by
Pooja Hegde
2nd sem

BY
Vardhini

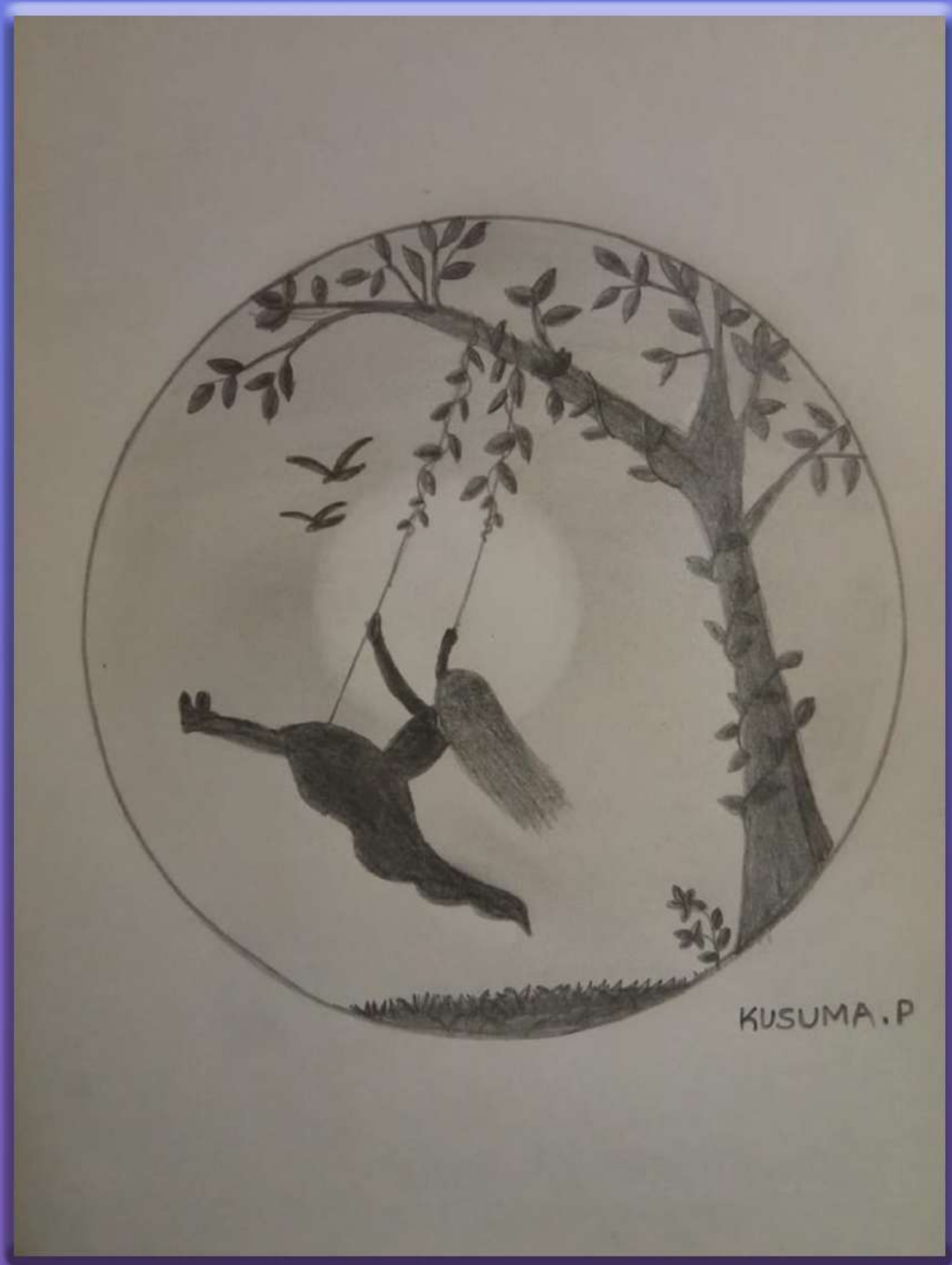by
Sowjanya P
4th sem

Rakshitha T R

Rakshitha T R
2nd sem

I want to be a jelly fish!
no brain
no thoughts
just float in the ocean
and look pretty.

by
Rakshitha TR
2nd sem

Glass paintaings
by
Yamuna Rattnam
4th sem

KUSUMA.P

by
Kusuma P
2nd sem

By Pooja Gowda Umesh
6th sem