

# COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE and Affiliated to Anna University (An ISO Certified Institution) | Accredited with A+ Grade by NAAC

Recognized under Section 2(f) of University Grants Commission, UGC ACT 1956 (AUTONOMOUS)

# InnovateX



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# InnovateX





#### "Education is the key to unlocking the world, a passport to freedom."

I deem it to be a matter of immense pleasure and honour for me to address you all through the website of ROHINI College of Engineering & Technology. It is indeed very heartening to witnessthat the college has carved a name for itself in the academicscenario of the region. Education is the mostpowerful tool to bring desirable changes in ourpersonality and also to bring positive changes in oursociety. It is the only medium which enables you to move from darkness to brightness.

Dear friends, I strongly believe that, there can be no better way to drive and improve our nation's prosperity and social economic well-being than through its education system. I also believe that, technocrats are the key to continued economic and technological advancement of our country.

I would take this opportunity to urge you all to focus on all round development. You should always have your education laced with morality and ethics. This task has to be taken over by the academicians to provide value and ethic based education. You should all remember that, "honesty is the first chapter in the book of wisdom" and we should inculcate honesty and integrity in all what we do.

I earnestly hope and trust that, my esteemed academicians and budding technocrats will work with sincerity, honesty and dedication and thereby contribute to make this world a better place to live in.

Best Wishes, Shri. K NEELA MARTHANDAN, Chairman, ROHINI Groups



## "Education is not preparation for life; education is life itself."

As the Pro chairman of Rohini College of Engineering and Technology. I extend my warm greetings to all of you. I am extremely proud and delighted to see your initiative to bring forth a Department magazine. Your eagerness to showcase your talent and creativity is commendable and I wholeheartedly support your effort And department magazine serves as a medium to showcase the talents and potential of the students and I am sure that this magazine will be a testament to the hard work and dedication of the students. I am confident that you will make the most of this opportunity. I wish you all the best in your endeavors.

Our college is renowned for its commitment to providing quality education and creating a positive and supportive learning environment. Our faculty and staff are dedicated to helping you reach your full potential and achieve your academic and personal goals. In addition to a comprehensive curriculum, our college offers a wide range of extracurricular activities, clubs, and organizations that will allow you to explore your interests and develop your skills outside of the classroom. We also have state-of-the-art facilities and resources, such as modern labs and libraries, that will enhance your learning experience. As you settle into life at our college, I encourage you to take advantage of all that this institution has to offer. Engage with your peers and make new friends, participate in events and activities, and take advantage of opportunities to learn and grow. Finally, I wish you all the best in your studies and your future endeavors. I am confident that you will make the most of your time at our college and emerge as well-rounded individuals, ready to make a positive impact on the world.

> Best Wishes, Dr. N Neela Vishnu, MBA, Ph. D, PRO-Chairman, RCET



"Education is the passport to the future, for tomorrow belongs to those who prepare for it today."

As the Managing Director of this Rohini College of Engineering and Technology, I am proud of the creativity, talent, and drive that you bring to this project. Creating magazine is a wonderful opportunity to showcase the talents, perspectives, and achievements of our students, as well as to foster a sense of community and collaboration within our college. I have no doubt that the magazine you create will be a true reflection of the spirit and energy that make our institution so special. As you work on this magazine, I encourage you to be bold and imaginative, to challenge yourselves and each other, and to take advantage of every opportunity to learn and grow. I also encourage you to seek out guidance and support from your peers, teachers, and other members of our college community as needed.

I am proud to lead such dedicated and talented group of individuals, and I am confident that we will achieve great success together. This year, our department is poised to continue providing students with a world-class education and a positive and supportive learning environment. Our faculty and staff are committed to helping each student reach their full potential and achieve their academic and personal goals. I also encourage everyone to participate in the many extracurricular activities, clubs, and organizations offered by our college. These opportunities allow you to explore your interests, develop new skills, and make new friends. As we embark on this new academic year, I wish each of you the best of luck and success. Whether you are a student, a faculty member, or a staff member, I am confident that you will make a positive impact on our college community. Let's work together to make this year one of growth, discovery, and achievement for all.

Best Wishes, Dr. V M BLESSY GEO , M. Sc, Ph. D, MANAGING DIRECTOR, RCET



"Education is not the filling of a pail, but the lighting of a fire."

As the Principal of this Rohini College of Engineering, and Technology, I would like to express my heartfelt gratitude to all of you who have worked so hard to create a department magazine for our collège. Your hard work, creativity, and passion are truly inspiring, and I am deeply proud of all that you have accomplished. The department magazine is a wonderful way to showcase the talents, perspectives, and achievements of our students, as well as to foster a sense of community and collaboration within our department. Your publication is a true reflection of the spirit and energy that make our college so special, and I have no doubt that it will be a source of pride and inspiration for all who read it.

I am confident that with hard work, dedication, and a positive attitude, you will achieve great success this year and beyond. Remember that your college experience is what you make of it. Take advantage of all the opportunities available to you, whether in the classroom or through extracurricular activities, and challenge yourself to grow and develop in new ways. Surround yourself with positive, supportive individuals who will encourage you and help you achieve your goals. I also encourage you to be proactive in seeking out help and support when you need it. Our faculty and staff are here to support you and to help you succeed. Don't be afraid to ask for assistance when you need it, and never hesitate to reach out to us if you have any questions or concerns. Finally, I would like to wish each and every one of you the best of luck as you embark on this new academic year. I am confident that with hard work and determination, you will achieve great success and make the most of your time at our college.

Best Wishes,
Dr. R Rajesh, M.E, Ph. D,
Principal,
Rohini College Of Engineering &
Technology



# "The beautiful thing about learning is that no one can take it away from you."

It gives me immense pleasure to introduce the inaugural edition of the MCA Magazine, "InnovateX". This magazine stands as a testament to the creativity, dedication, and intellectual prowess of our MCA students.

I extend my heartfelt congratulations to the editorial team and all the contributors for their hard work and commitment in bringing this magazine to fruition. Your contributions have truly enriched our departmental community and showcased the diverse talents within.

"InnovateX" not only reflects our academic achievements but also serves as a platform for innovation and collaboration. I encourage all students to actively engage with the magazine, both as readers and potential contributors. Let it inspire you to explore new ideas, share your insights, and foster a culture of continuous learning and growth.

As the HOD, I am proud of the strides our department is making, and I am confident that "InnovateX" will become a cherished tradition, celebrating the excellence and creativity of our MCA students for years to come.

Warm Regards, Mrs. Vahitha K Thangam R HOD / MCA, RCET



## Chief Editor's Message



We feel extremely happy to speak to you through this college magaxine. Publishing a magazine today is indeed a tedious & herculean task. This magazine has unleashed the hidden potential of the students. We congratulate the student incharge, for making this magazine a chapter of college history. The college has grown over the years but has not aged; it continues to be as prestigious, pursuing excellence and professionalism. The experience of life teaches us "NO SHORTCUT TO HARDWORK AND NO GAIN WITHOUT PAIN". Leam to believe in yourself. Our message is: "Aim always high" as high as the sky to be good citizens and leaders of our beloved country

Warm Regards, DR.KALAI SELVI A,MCA,M.Phil,PhD. Professor RCET



# Faculty Editor's Message



It fills me with immense pride to address you all as your class teacher in the Department of MCA. Our journey together has been one filled with growth, learning, and shared experiences. As we embark on this new endeavor with the launch of our departmental magazine,

I am overwhelmed with excitement. "InnovateX" is not just a publication; it's a reflection of our collective passion for innovation, creativity, and excellence. I have had the privilege of witnessing your dedication and hard work in the classroom, and I am confident that your contributions to this magazine will be nothing short of extraordinary. Each article, artwork, and idea represents a piece of our department's vibrant tapestry. I encourage you all to seize this opportunity to showcase your talents, share your insights, and inspire others within our MCA community.

Let "InnovateX" serve as a platform for us to celebrate our achievements and foster a culture of collaboration and innovation. I extend my heartfelt gratitude to the editorial team for their dedication and perseverance in bringing this magazine to life. Your efforts have truly made a difference and will be remembered for years to come.

As your class teacher, I am here to support and guide you every step of the way. Together, let's continue to strive for excellence and make our department proud.

Warm Regards, MS.PREETHI A.R,MCA M.Tech ClassTeacher/MCA RCET

# Students Editor's Message

With great joy and pride, we present to you the inaugural issue of InnovateX, The annual magazine of the Department of MCA (Master of Computer Application).

As overseers of content creation, we've ensured that each article meets our standards of quality, accuracy, and relevance. Our role involved collaborating with writers, designers, and other team members to produce engaging and informative content that resonates with our audience.

We extend our heartfelt thanks to all participants who contributed their content and to everyone who helped in developing the magazine directly or indirectly. This magazine is a testament to our collective creativity and dedication.

Warm regards, Akshaya Kamali M Jence John Sreedevi K



AKSHAYA KAMALI M



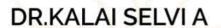
JENCE JOHN



**SREEDEVIK** 

## **Staff Editorial Team**









MS.PREETHI A.R

MRS. VAHITHA K THANGAM R

# Students Editorial Members



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AKSHAYA KAMALI M I MCA



SREEDEVIK I MCA

### **About RCET**

Rohini college of Engineering and Technology (RCET) was started in the year 2012 by Shri.K.Neela Marthandan, a great Industrialist and philanthropist and now managing by his son Dr.N.NeelaVishnu. It is located at Palkulam near Anjugramam junction & Kanyakumari, the southernmost town in India. RCET is about 5 kms from the Kanyakumari railway station and 14 kms from Nagercoil junction. RCET is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to ANNA University, Chennai since 2012. The main feature of the college comprises world class infrastructure with experienced and talented faculties, excellent pass percentage, good placement records and society-oriented products/projects developed by the students.

#### **Our Vision**

#### To be an academic institute of continuous excellence towards education and research in rural and provide regime service to nation in terms of nurturing social, ethical potentially higher engineering companion graduands.

#### **Our Mission**

- To foster and promote technically competent graduands by imparting the state of art Engineering education in rural regime.
- To enunciate research assisted scientific learning by dissemination of knowledge towards science, agriculture, industry and national security.

#### **About Us**

The department was established in the academic year 2021 and offers a Master of Computer Applications (MCA) program with an intake of 60 students, which has proven to be highly successful. The MCA is a two-year postgraduate program designed to provide comprehensive knowledge of computer science with a focus on practical applications. Our students have excelled academically and have significantly contributed to the college's growth, securing 25 university ranks over the past years. The Master of Computer Applications program stands out as a pillar of excellence in the face of technological advancements, holding a prominent position within the college.

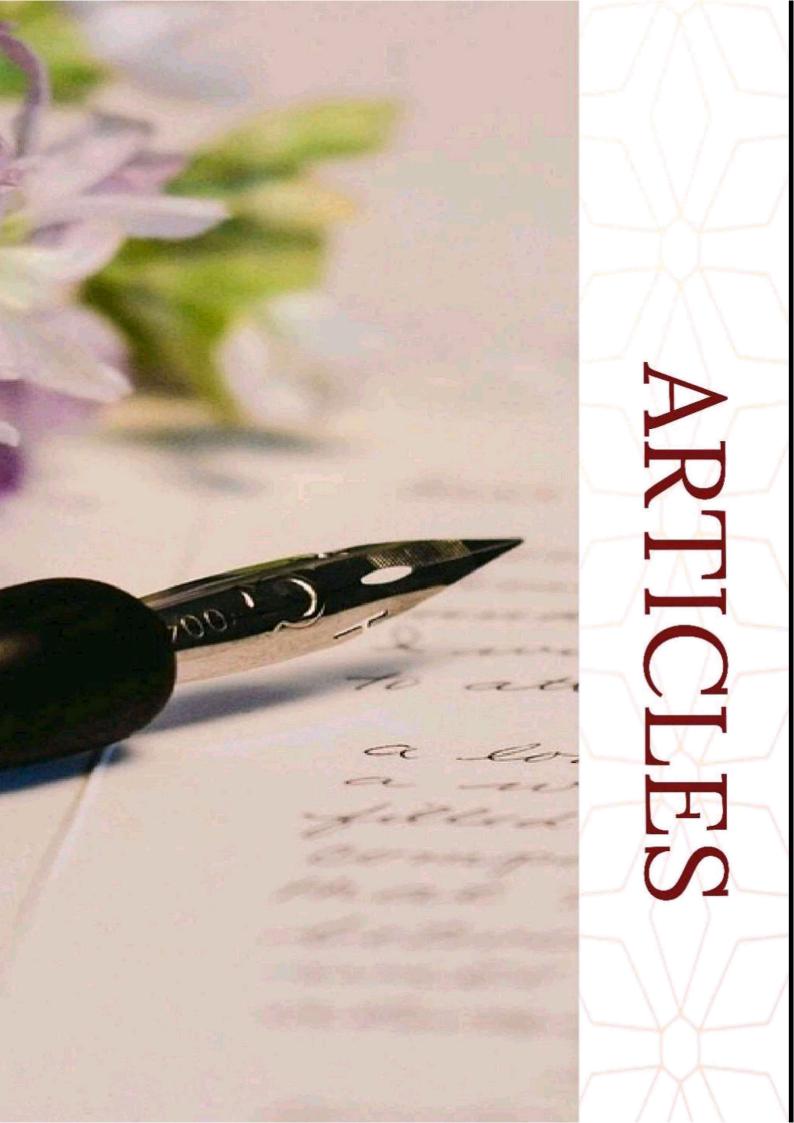
The department boasts excellent academic infrastructure, including ICT-enabled classrooms, well-equipped laboratories, and a departmental library with digital content. Additionally, we maintain an exclusive digital repository of course materials and a question bank prepared by our faculty. Regular technical events, industrial visits, internship training, and extracurricular activities are organized to enhance the overall personality development of our students. The department ensures bright employability prospects for students through consistent industry interaction, industry-recommended curriculum updates, seminars, workshops, and career development courses. Our distinguished alumni are making valuable contributions to various organizations, playing a vital role in the department's continued growth.

The department's well-qualified, experienced, and committed faculty strives to cultivate a new generation of smart and innovative computer professionals, instilling values of leadership, commitment, and ethics. Faculty members have diverse research interests and actively participate in organizing national/international conferences while contributing to reputed peer-reviewed journals with their research articles.

#### Vision

#### Mission

- Our Vision is to emerge as a Centre of Excellence and Research in the field of Computer Education and Application with distinct identity and character in all areas of its dimensions.
- Mission is to provide very high quality education in Computer Applications and thereby develop a new and smart generation of Computer Application Professionals with proper transformation of leadership, commitment and moral values.



## **Computers: Beyond Brain**

omputers, love of my life, a perfectly designed overwhelmed beauty.

Technically speaking, being a student in the Computer science department, it is difficult for me to merge love and computers. Adding more to my notion, it's difficult to imagine computers being loved.



Logically, that doesn't make sense. But what makes the idea unique for me is that also being a poet, I feel that imagination is not so tough but always misinterpreted. We always talk about brainy things. Since childhood I have been hearing that computers have a brain (CPU), a memory (frankly speaking, a lot of memory) but why are one about its heart? concerned computers have a thing that can be named a heart? I remember asking Siri about loving me. She hilariously responds, "I hope you don't say that to those other mobile phones". In spite of Siri being an Al, I insist on making her an integral part of the family of computers.

So, actually before coming back to the point of computers having a heart, what can one call a thing being heart? We consider a thing to be called as the heart which not only pumps the blood in out as a basic survival amenity of a living being, but a heart is something that is woven out of emotions, filled with the nectar of besides feelings, pain being catastrophic and tends to become the best healer of it. We all have heard about many electronic parts from which a computer is made but it would be technically wrong to say that some piece of silicon is a special organ named heart for computers.



So, what can it be? Well, according to me the best thing I can call the heart for a computer is its "Operating System". Yes, I would consider the operating system as the heart of a computer. OS being mere software, made of some hard-core coding, strongly supports all the silicon organs of a computer, manages brain (here CPU) to take the right decision at the appropriate time, and most importantly performs the duty of reviving brain from the inevitable deadlocks of oblivion. According to me, there is nothing better than calling the Operating System a heart because it makes some electronics chips assembled in a fascinating way to work together to be called a computer.

After all, I remember the operating system quoting a notion to me, "We can ignore the darkness of problems altogether if we just pretend our life to be problems-free and filling it with the ambrosia of love."

NANDHAKUMAR P I MCA

## Virtual Reality

reality as the name suggests itself is something that is near enough (virtual) actuality (reality).

Virtual reality is the use of software and computer technology to create a simulated (artificial) environment. It places the user inside an environment which is virtual but user belief and accepts it as real.



In its simplest form, virtual reality is simulating vision of the user, it includes creating an immersive 3D (computer created) world that you can explore and feel as if you are there both mentally and physically. Humans react more quickly to audios than to visuals. Therefore, to create more convincing VR applications it requires more than just graphics. To create more immersive VR experiences accurate sound effects are a must. Sound effects synced with visuals can create more attractive effects.

#### Let's check some devices needed for Virtual Reality

To provide power to interactive threedimensional virtual environment computing power is required and it is done by the help of PC/Console/Smartphone. They are like the engine that provides power.

Head-Mounted Displays (HMDs) is just what it sounds like is a small computer display worn on the head. It is meant for total immersion of the user and ensures that no matter in which direction user's head may turn the display is positioned right in front of the user's eyes or whatever HMD is displaying is always on the field view of the user. In other words, it presents visuals to your peripheral vision. It is commonly referred to as 'Virtual reality headset' or 'Virtual reality glasses'. Data gloves are also known as wired or cyber gloves or wired gloves. It is an instinct to reach and touch it when we see something amazing so it is important to give people the ability to touch virtual objects which can be done with the help of a data glove. It consists of electronic sensors that monitor hands' movements and transforms them into a form of inputs for VR applications. Wand controller is simpler than a data glove.

It acts as a pointer that you can use to touch, point or interact with virtual objects without actually letting you go. It has built-in motion sensors along with mouse-like buttons or scroll wheels.

Apart from input-output devices and their coordination, the software is equally important. It is responsible for managing I/O devices, handling and analysing input data timely and responding to output display promptly in order not to destroy the feeling of immersion. VR is believed to marks its major portion in the gaming sector but there are also several instances where VR has made serious implications. Now we'll check some applications of virtual reality.

#### Medical VR

It has endless possibilities and even when it is freshly introduced there are already some examples where VR shows a positive effect. One of the most promising elements VR gives to the medical field is the use of 3D models to plan surgeries and operations.

Virtual Reality Exposure Therapy (VRET) is a really popular method to regulate therapy for patients suffering from mental issues...

VR in education provides new resources to teach and learn. Students gather more information when they are taught in a 3D environment as it becomes more enjoyable and exciting to learn.

Virtual labs provide a more interactive environment for conducting simulated experiments based on real-world phenomena.

Initially in military VR helps in training by providing an accurate simulation of real events in a safe and controlled environment.

The air force also uses VR for training missions, that includes how to fly a jet fighter in battle, how to recover in an emergency, how to coordinate air support with ground operations.

Today, the military not only uses VR techniques not only for training and safety enhancement but also to analyse military manoeuvre and battlefield positions.



Now architects don't have to make card and paper models, they are much more likely to build VR computer models they can walk through and explore. It is not only an immersive 3D computer model for people to inspect and explore but it is also a mathematical model that can be tested for its aerodynamic, safety and other qualities.

## BATRICK REIZON X I MCA

#### C++ Code : More than Just a Code

omputer executes the code (or program) which is a collection of various instructions.

Being a programmer, according to me, writing or generating code for a problem not only involves a precise logic or an efficient algorithm or making the code more modular but it is a process to code the human brain into some text editor. The process of depicting the scenario of how a human brain analyses the problem is what a "perfect" code demands.For programmer, a code is not just some bundle of text (technically called functions) consisting of some mathematical operators and logical conditions, which are deliberately grouped to achieve the objective of modularity.

Every programmer not only just writes code but eventually gives birth to the solution of a problem. As he includes a header file, the baby takes its first breath in the world of 1's and 0's. He gradually opens his eyes, with every header file being included inside him. Now, he becomes capable to see the universe with his naked eyes.



But unfortunately, a programmer has nothing to address his child (code) so, he appends the line "using namespace std" at the top, defining the scope for code, providing it with a unique space in that technical world and an adorable name that would sustain till the oblivion.

As the circle of time passes, the "int main" eventually becomes the central nervous system of the body and the baby starts to learn how to grasp things and to speak sentences with every "cin" and "cout" statement. With every class definition, function prototype, global and local variables declaration, the bud of silliness and innocence blooms into a scentful flower of childhood.

The childhood is full of curiosity seeking parameters to be passed and eagerness to know the logic behind every single line from why the "float" variables don't float? To why classes always allow only "friend" classes to know their "private" secrets? From why the ladder of "if-else" is used to make a decision instead of climbing to the top? To why the "switch" statement doesn't actually light up a bulb?

The childhood is full of curiosity seeking parameters to be passed and eagerness to know the logic behind every single line from why the "float" variables don't float?



To why classes always allow only "friend" classes to know their "private" secrets? From why the ladder of "ifelse" is used to make a decision instead of climbing to the top? To why the "switch" statement doesn't actually light up a bulb? Gradually, the child undergoes ample of changes such as increased height (appropriate to say increased number of lines), development of a definite logic, becoming more social using "static", more muscular(I mean more modular), growth of unwanted "pubic" variables, workspace full of "dot operator" pimples referencing individual members of classes, structures, and through their unions respective objects.

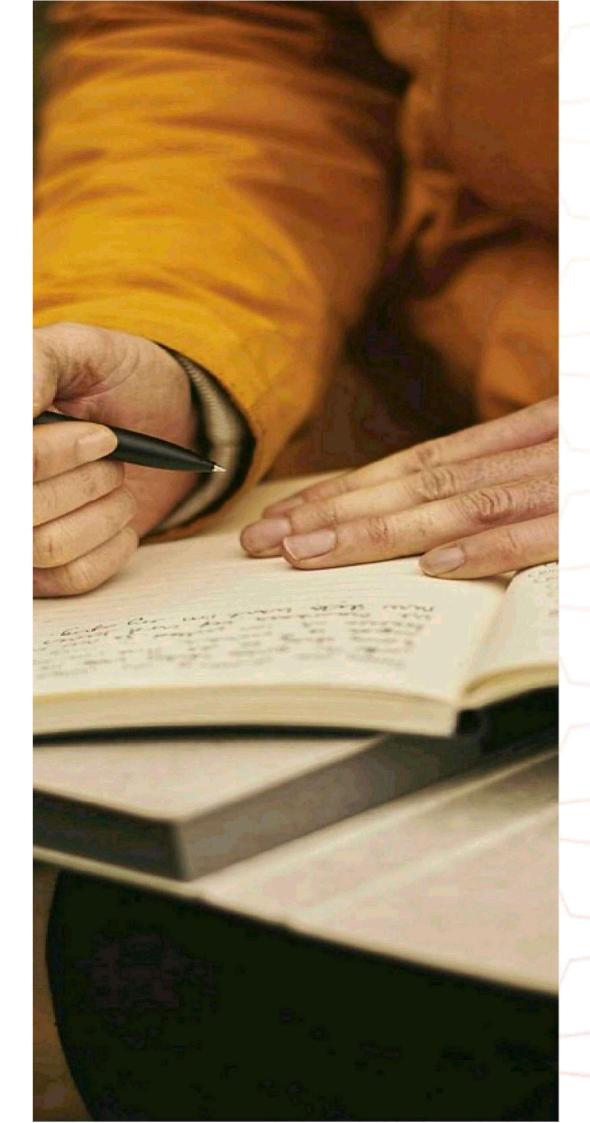
The child has entered the adolescence phase of complexity and confusions. Being a teenager, now it demands more parental attention and care as it is the period of errors from missing semicolon to getting trapped in an endless loop of lust and love, from null pointer error to wrong memory references and from "I know how it works" to "God knows how it works".

Time moves ahead and maturity comes with debugging. The adolescent teen is now ready to transform into an adult and is capable of taking responsibilities of execution and runtime exceptions. In the urge to reach his destiny, the adult try-catch every obstacle during its execution.

With shoulders full of responsibilities and no scope of error generation adult eventually grows older and older. With last "return 0" statement the elder takes its last breath life and terminates programming completely its task for which he was created by his master (programmer) leaving the world of 1's and 0's, collecting every memory allocated and end up saying, "Life is always a "perfect" code of happiness, love, responsibilities, and joy, which should not be executed in an abrupt manner due to some temporary exceptions because errors are actually the real extoller of adorable things are going to occur in your life".



JENCE JOHN
I MCA



# STUDENT CORNER

#### LET ME LIVE MY LIFE



was born as a girl. It was big celebration for my family. My parents" relatives and friends came to see me with gifts.

Everyone was very happy. I grew up. I was fascinated by racing cars when other girls were interested in barbie dolls.

I started going to school. I had a lot of friends. I did not like my school uniform. It was a skirt and shirt. I came home and told my mother that "I think the boy's uniform at my school is enough for me". Dad and mom smiled. They told me that I am a girl and this is how I should dress.

My friends circle got smaller when I got to my higher classes. I wanted to get along with the boys gang. But my dad and mom said, "It would be a shame if others knew it". My parents were disappointed but they never told me anything. In school, the children were reluctant to cooperate with me. Why is that, even children are so discriminating? Although I was a girl by birth, my mind and thoughts were like that of a boy. I tried a lot to be like a girl because my dad and mom was facing a lot of humiliation from the society and other family members. I have to be like a girl, so that my father can raise his head in front of others and I won't see my mother crying. I tried so hard to be like a girl but those around me did not consider me either as a boy or a girl. It hurt me a lot. When I got to my high school, I only had one friend but later she told me that I am incomplete and left me. Everyone made fun of me and laughed at me. I was very lonely. It is not my fault that I'm like this. It is not your ability that you are like all others and not like me.

The nealection and ridicule experienced is indescribable. I have cried so much at night, I cried to God and asked why I'm like this. I did not get an answer, I don't remember a single night that I didn't cry. Do you know how much your insults hurt me and my parents. I wonder why people are so interested in other's life. I wonder why not everyone address each other as human beings regardless of gender? Do only males and females have the right to live this earth? Then why don't you accept me as a boy or a girl. I wanted to be a boy, but I could not live like a boy, when I tried to be a girl, no one accepted me. Then what should I do? Is it not the right of a human to life their life as they wish? Why does the society interfere in the lives of others? Can you lead your life and let me live my life!!!

# MANJU KRISHNA M

#### **Echoes of the Forest**



eep within the heart of a dense forest, there lived a solitary old man named Elijah.

He had spent his entire life amidst the towering trees, finding solace in their silent company. One crisp autumn morning, as he wandered through the woods, Elijah stumbled upon a small, wounded bird lying helplessly on the forest floor. With gentle hands, he scooped up the fragile creature and nursed it back to health in the warmth of his cabin.

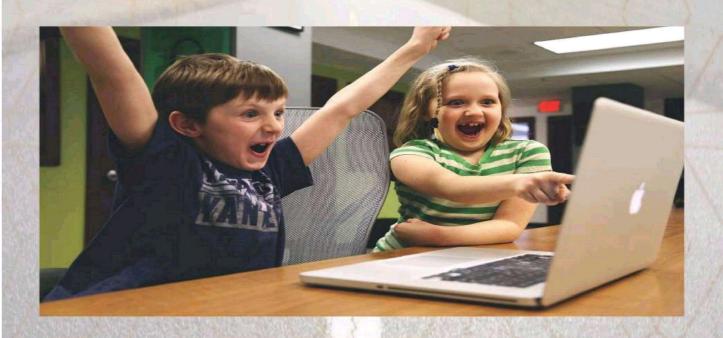
Weeks passed, and the bird, now strong and vibrant, perched on Elijah's shoulder as he went about his daily tasks. Together, they explored the forest, the bird's joyful chirps echoing through the trees. One day, as winter approached, Elijah noticed a change in the forest —a sense of unease that hung heavy in the air. He felt a deep sorrow within the trees, as if they were mourning the loss of something precious.

Determined to uncover the source of their sadness, Elijah set out on a journey deep into the heart of the forest, guided by the mysterious melodies of the wind. Through undergrowth and hidden tangled clearings, he followed the haunting echoes until he reached a secluded glade. There, beneath the sheltering boughs of an ancient oak. discovered a forgotten grove delicate flowers, their petals wilting and faded. With a heavy heart, Elijah realized that these flowers were the source of the forest's sorrow—a symbol of life struggling to endure amidst the encroaching darkness. With tenderness and care, Elijah nurtured the flowers back to life, their vibrant colors once again painting the forest floor. And as the last echoes of winter faded away, the forest rejoiced, alive with the vibrant energy of renewal.

From that day forward, Elijah and his feathered companion continued to wander the forest, their bond stronger than ever before. And though the seasons changed and the years passed, the echoes of their journey lingered on, a testament to the enduring power of compassion and connection.

ARUN K S I MCA

# The Price of Success HARD WORK



A truly successful man will keep trying and keep struggling until he perfects his art.

Thomas Edison failed approximately 1000 times. While he was working on light bulb and yet he never dreamed of giving up. This is the hard work and the determination that makes a true success. Indeed success is not measured by the position that you are in today but the amount of hard work you put in and the number of obstacles that you overcome to reach your goal.

When you begin to work hard towards achieving success, make sure to work smartly too, you need to remember that there is no shortcut to success. The good thing about hard work that for people who are driven towards their goal can enjoy their hard work. Consequently, the work does not seem unduly grovelling to them. At last,nothing in this world comes easily, least of all, success. Success doesn't come from luck,it is busy hard work.

#### **ESAI VENI E**

I MCA

# YOUR LIFE CHANGES THE MOMENT YOU WISH IT TO CHANGE



You be cause you stumbled upon this article unknowingly

If you expect me to change your life by this artide, you are in for a disapporidinent, because I don't have a magical wand to transform you to Jeff Bezos (He is the vichest mou you can nor I have any mantra which chand to turn you into shaktiman or to Mayavi. If you wish to change the lite in truest sove, read on.

You are a medical miracle. There are trillions of reasons why you shouldn't be born. (earth would have been saved, but there you are reading this, implying you are not dead & have a great life ahead. You too have felt a great need to change your life the moment you decide it. If you while like don't change your shirt or socks once in a sorry you can't change your life.Just a rocket taking off, it just requires tremendous energy (and also you require fire in heart, not like Locket)

Like earth's gravity, you will be pulled down by your peers. But doút. That i your first challenges is a well known fact that your growth lies outside Your comfort zone.

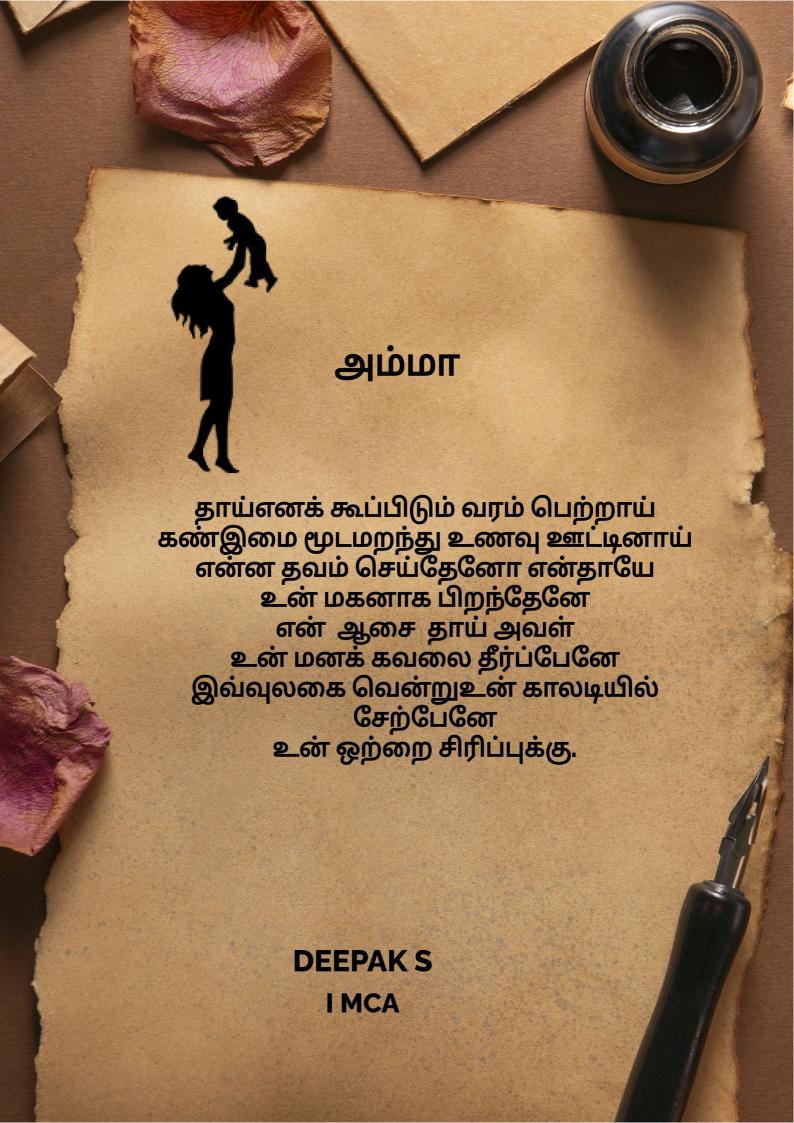
Many of us live life inside our comfort Love and at the age of to you regret and say, "Oh God! I should have done more, lived More I loved more." Now what? You've got no time in your hands.

There in a tendency for human mind to live in past memories and look forward to future expectation and forget the presact. Dort do this mistake [Live in present, expect the unexpected ]. Don't play the game, be the game. You are unique (unless human cloning starts). 99%. of your DNA is similar to chimpanzee. You live your life can decide whether to in that 99% or that 1%. The circumstances you are now going through right is solely because of you. You wont be Teading this if you don't open the book or you don't know English. It's your decision

Boys, there is no damsel in distress for you heroically save Save yourself. Girls, thore no knight in shining armour coming to save you jump out of your fortress and save some other damsels. to

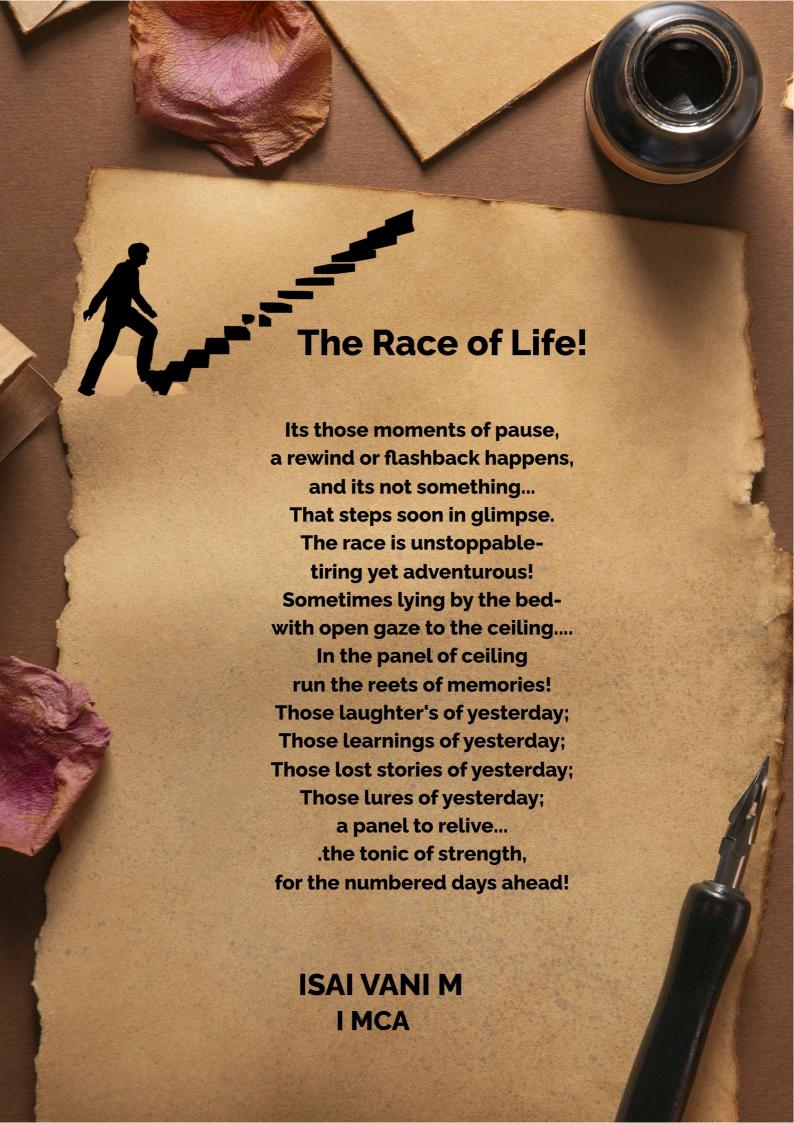
So if you are motivated out of your brains to do something to change your life, close the book right who now (sorry for those wrote after me) and do what you want to do right now. If you are not motivated, Say, "Om hrim kuttichatha" if you are lucky and if Mayavi is free, he may pay you a visit and fulfil your dreams.

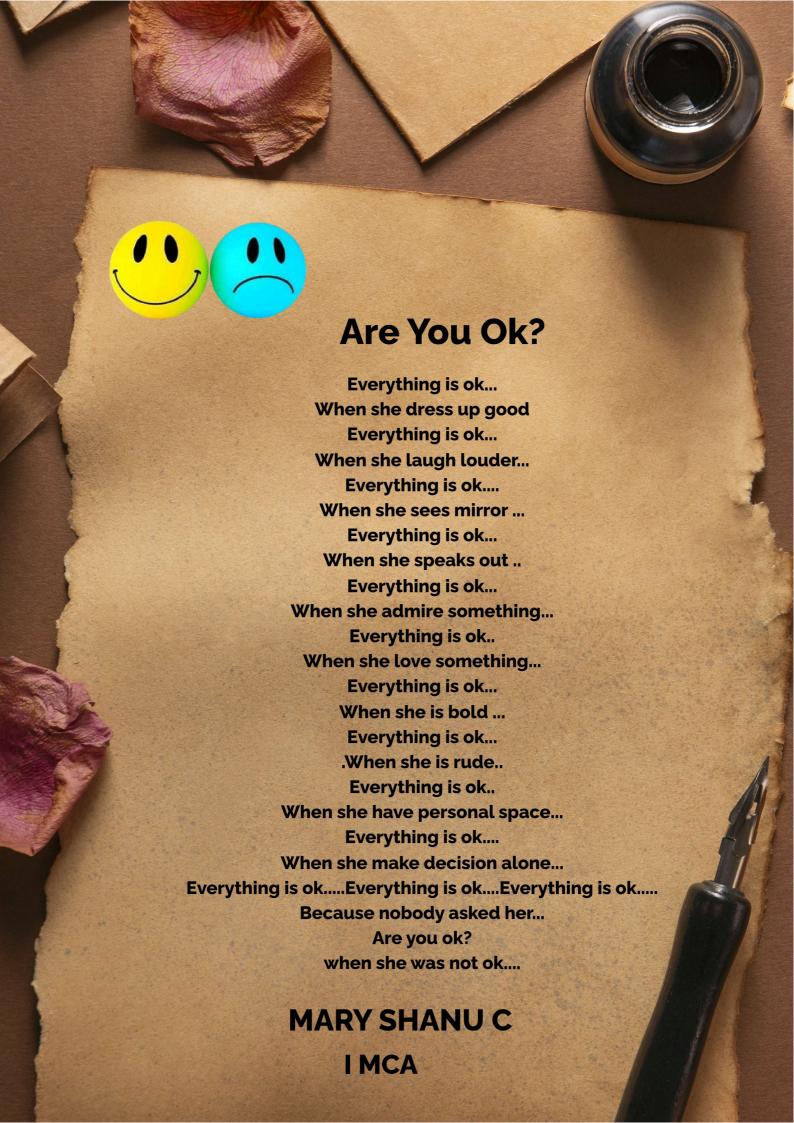
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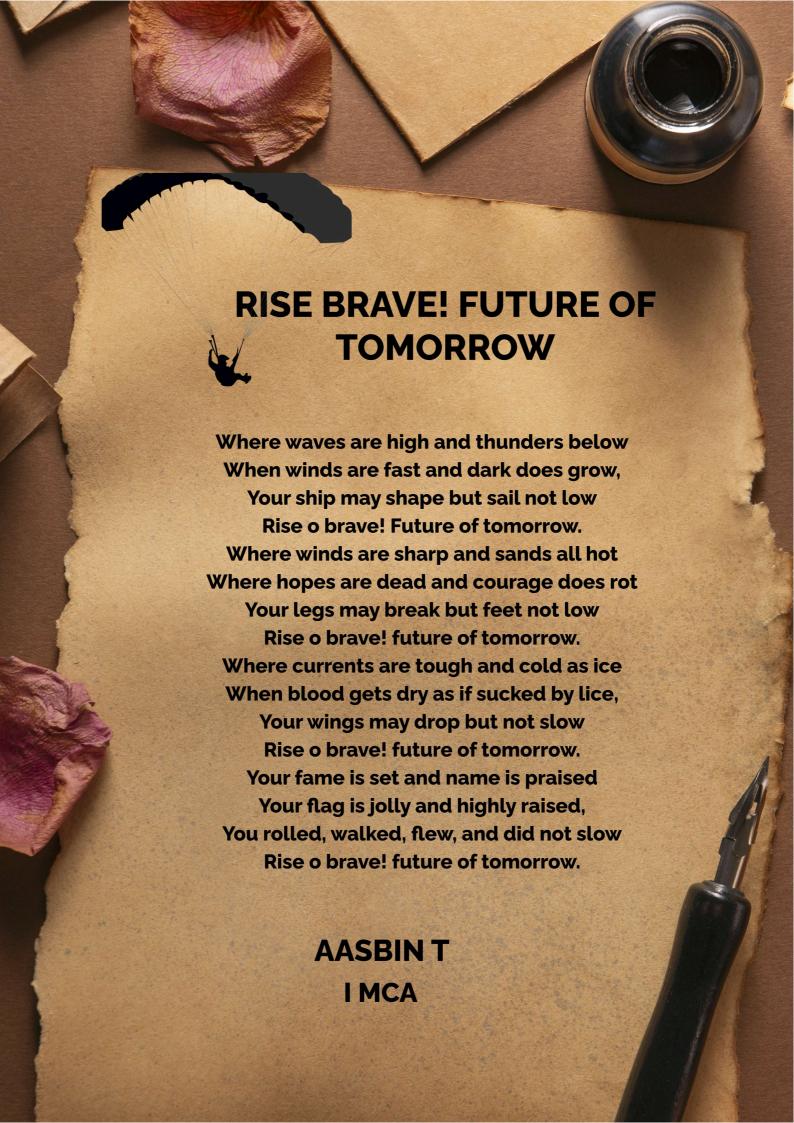


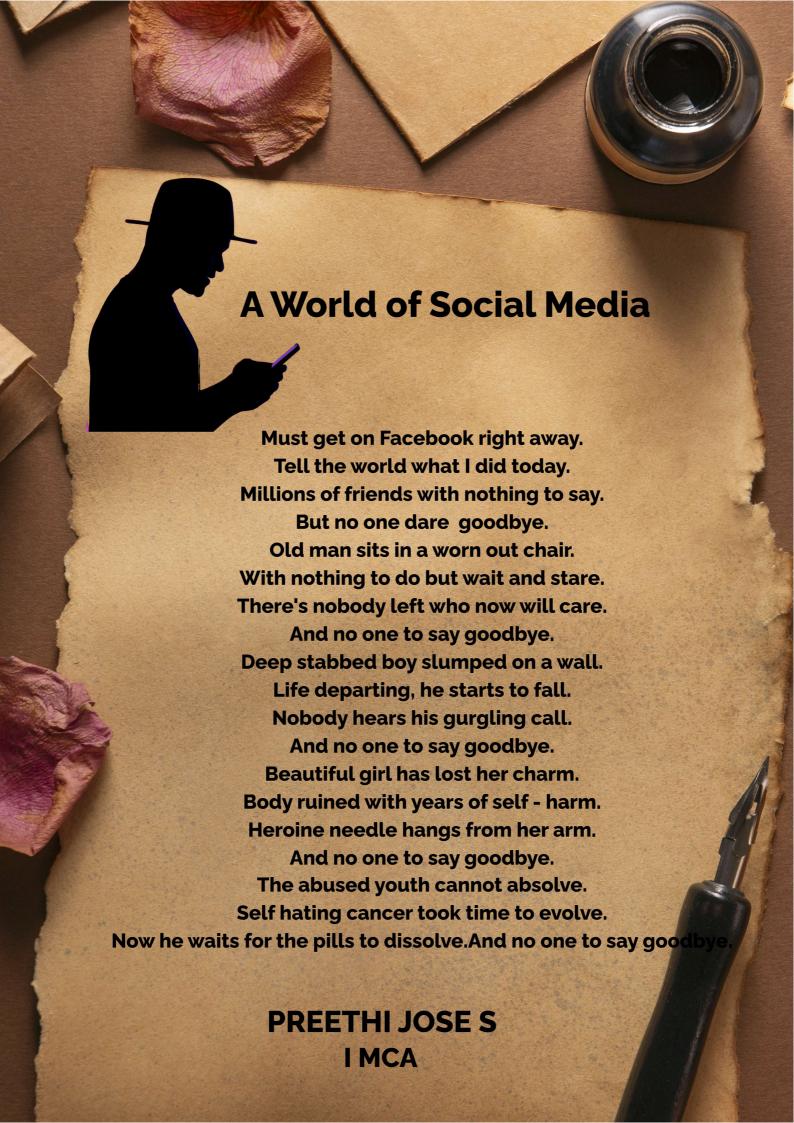


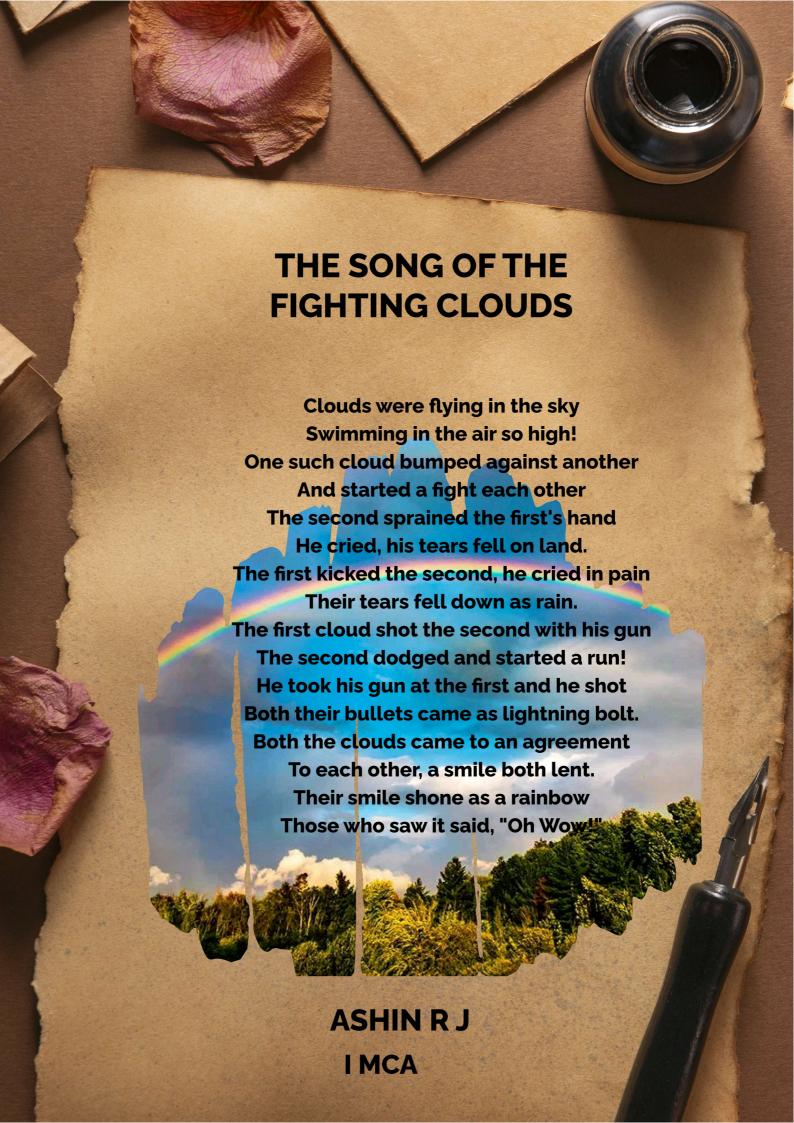


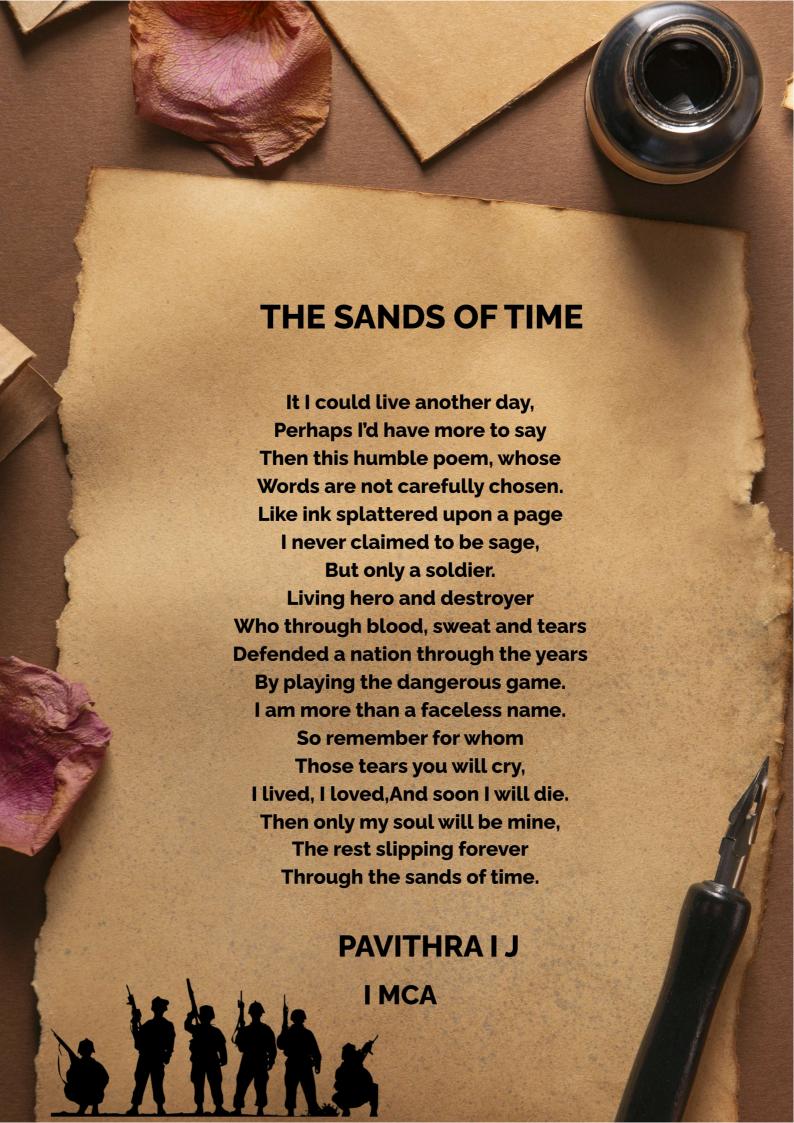








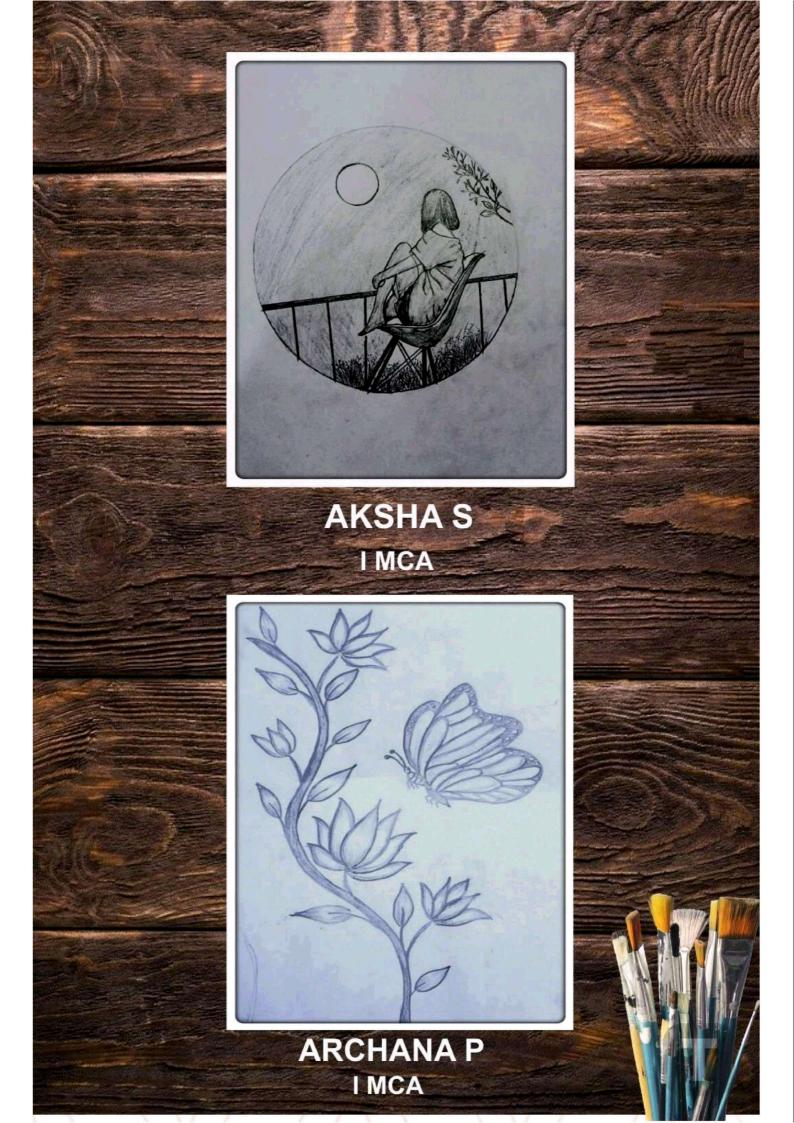




# AN WORKER CHESTER COMMUNICATION

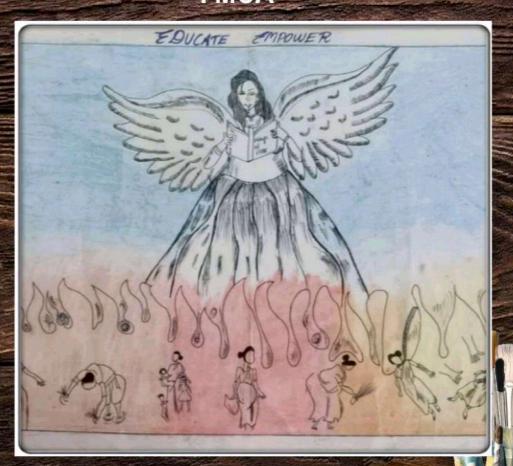
## RHSHIC DENERGING



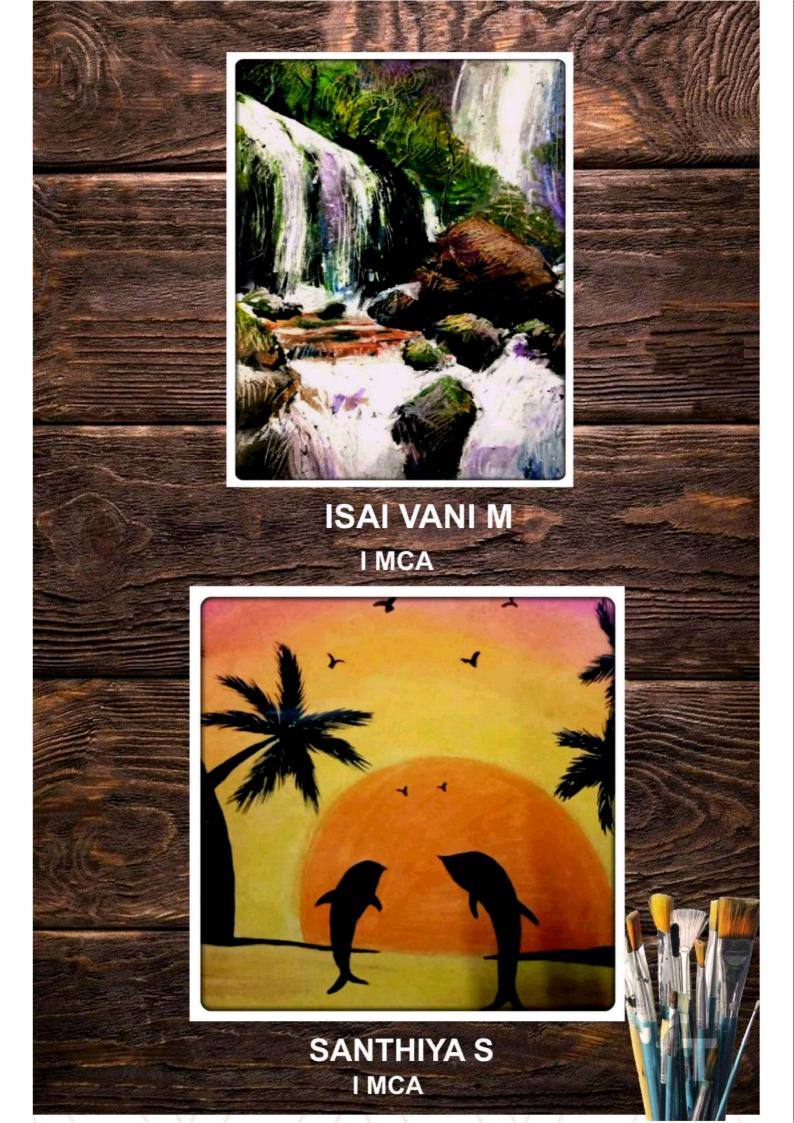




### LORREN BRITNEY A I MCA



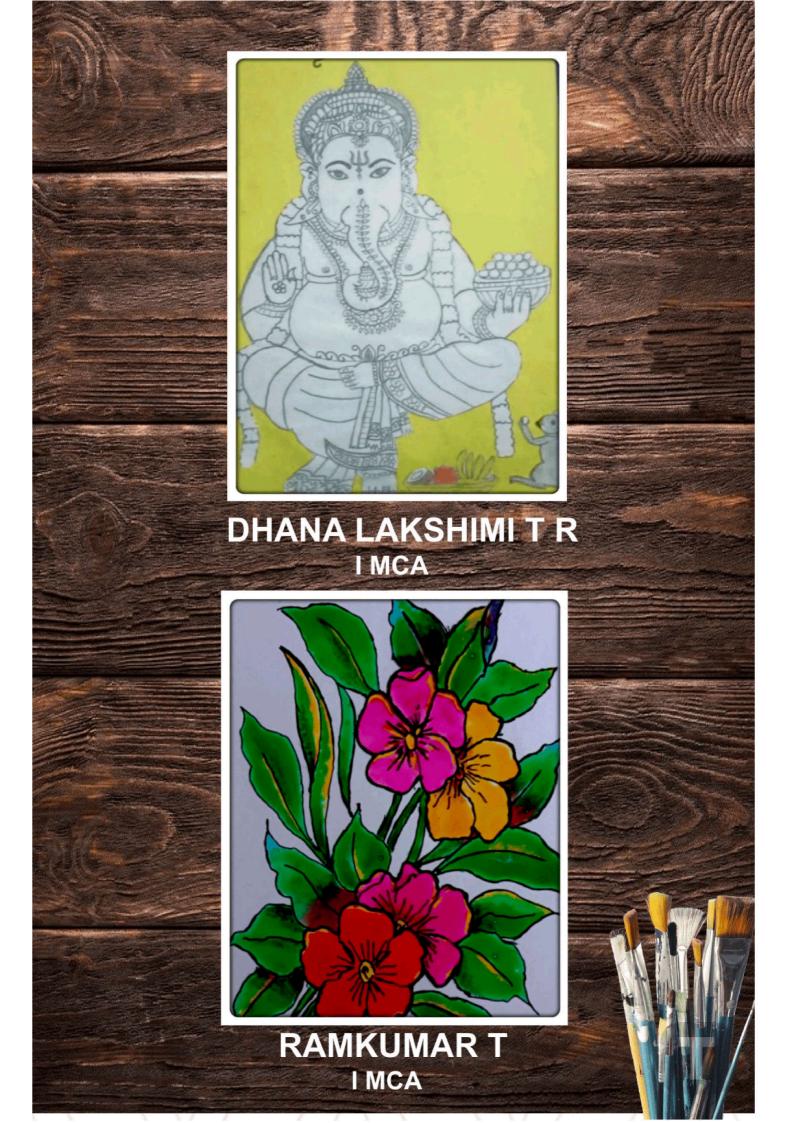
ANJU VAISHNAVI C K I MCA

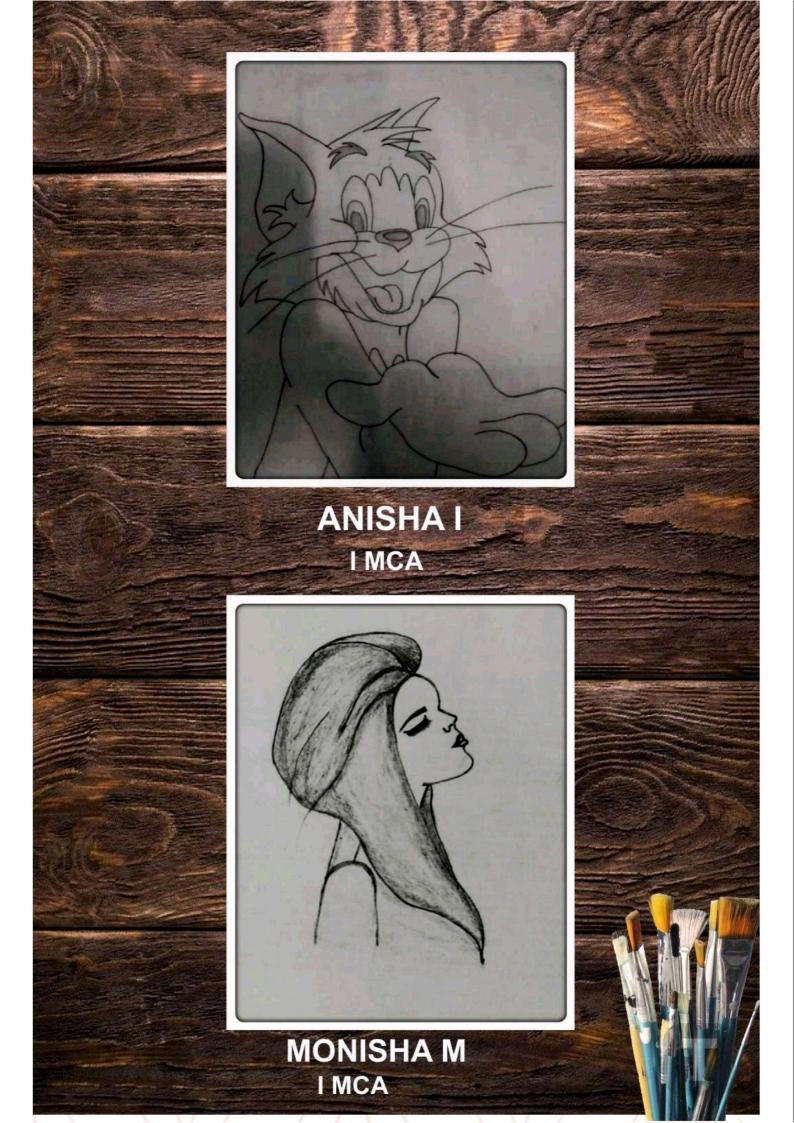


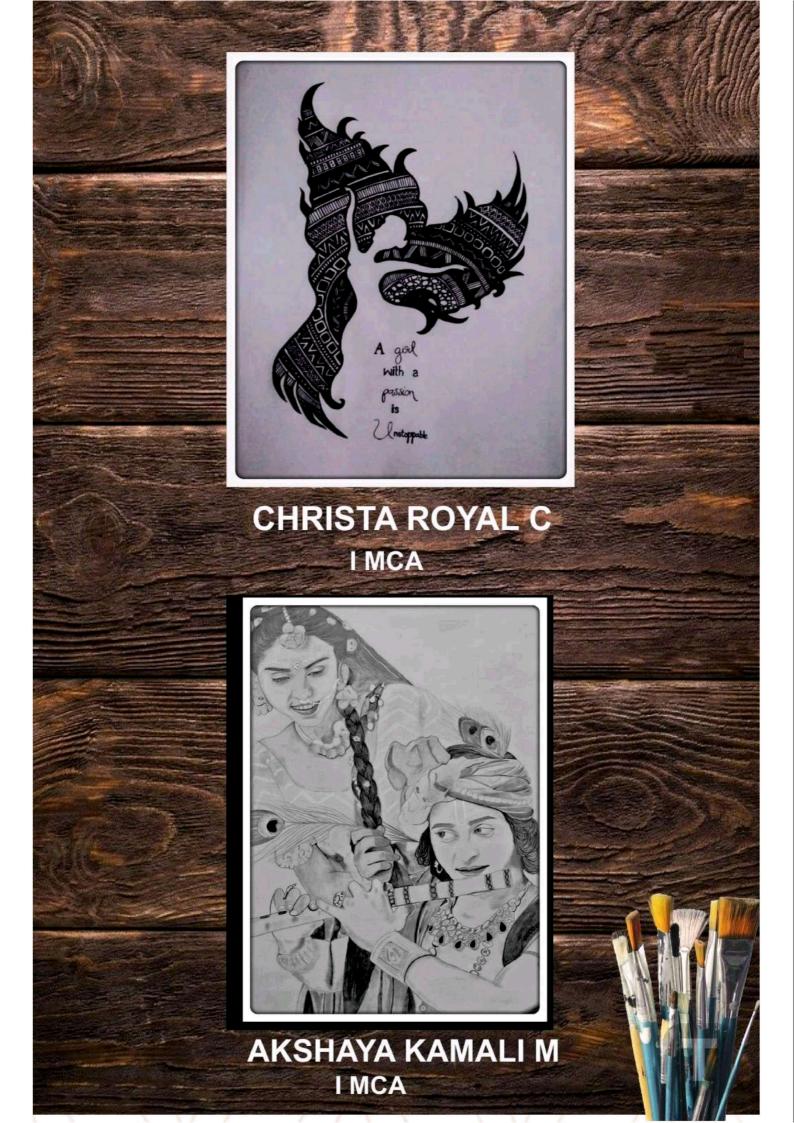


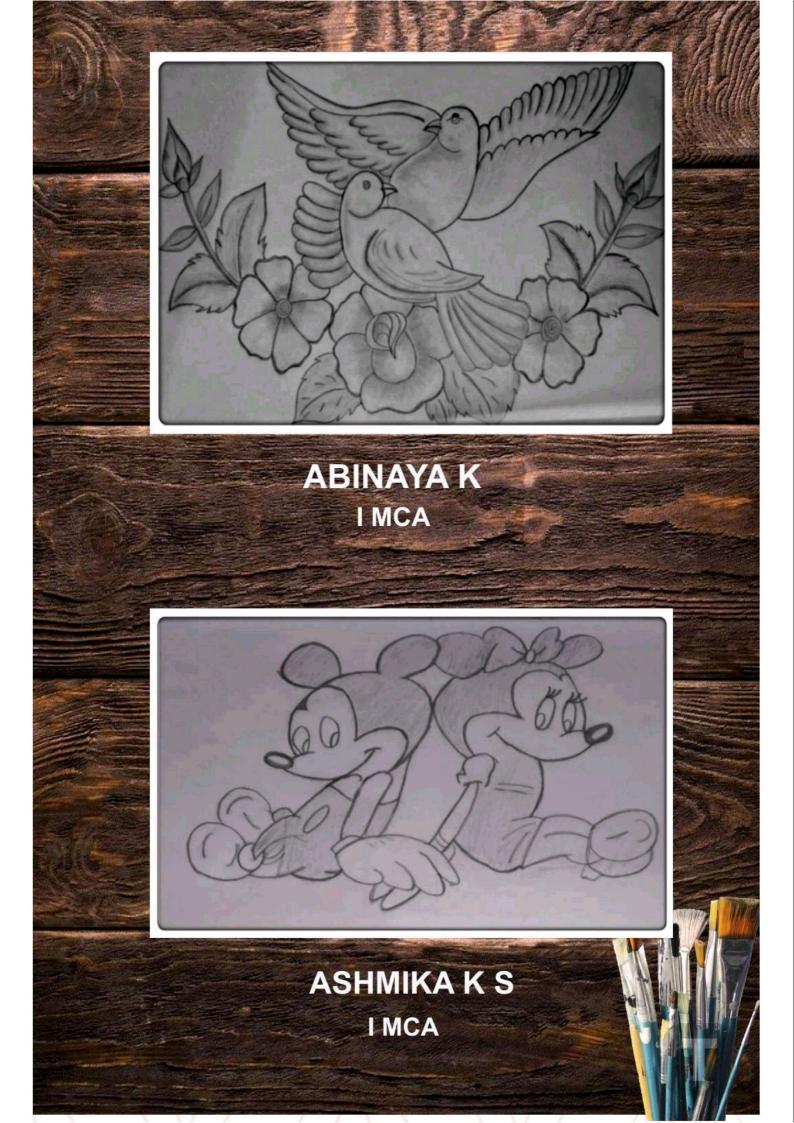


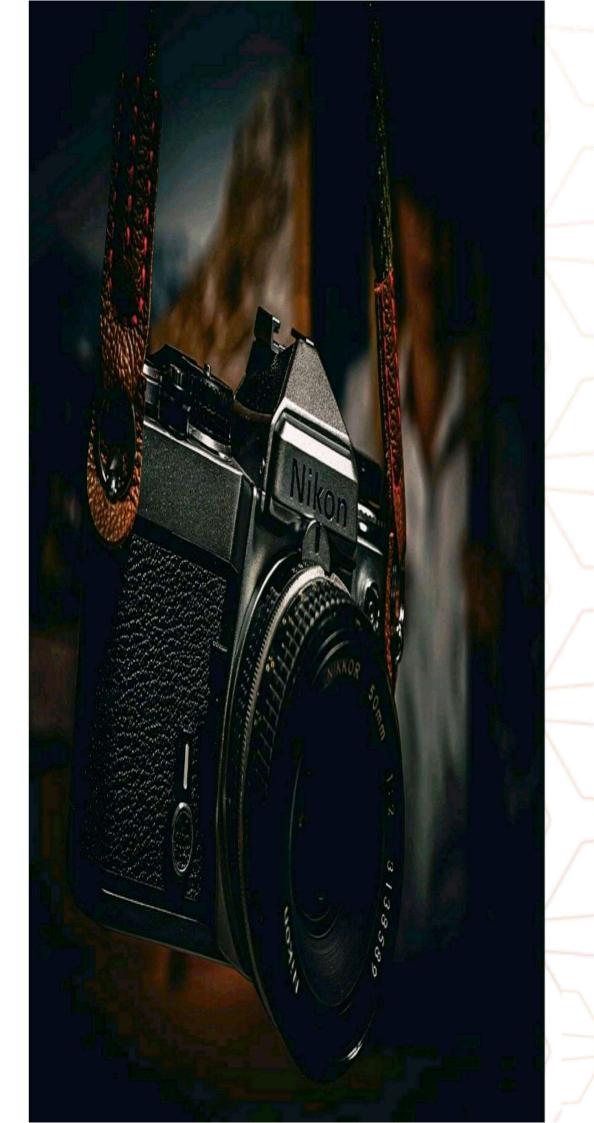
RATHINI R



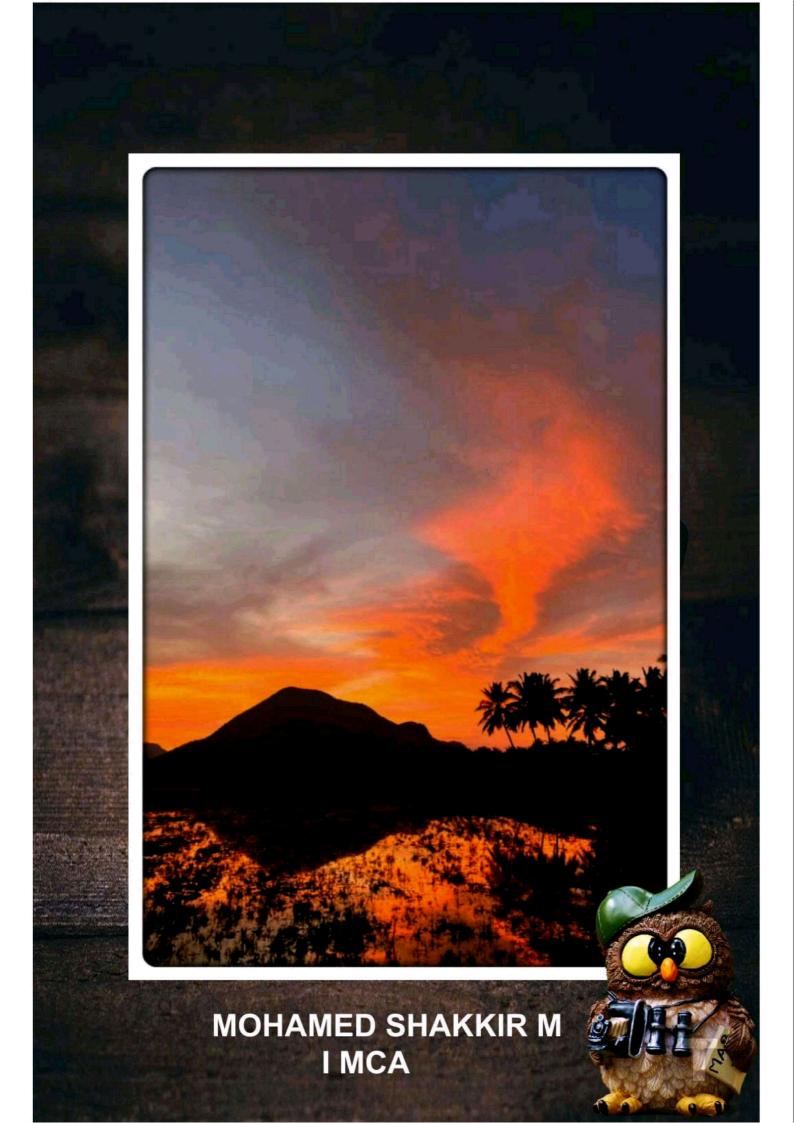








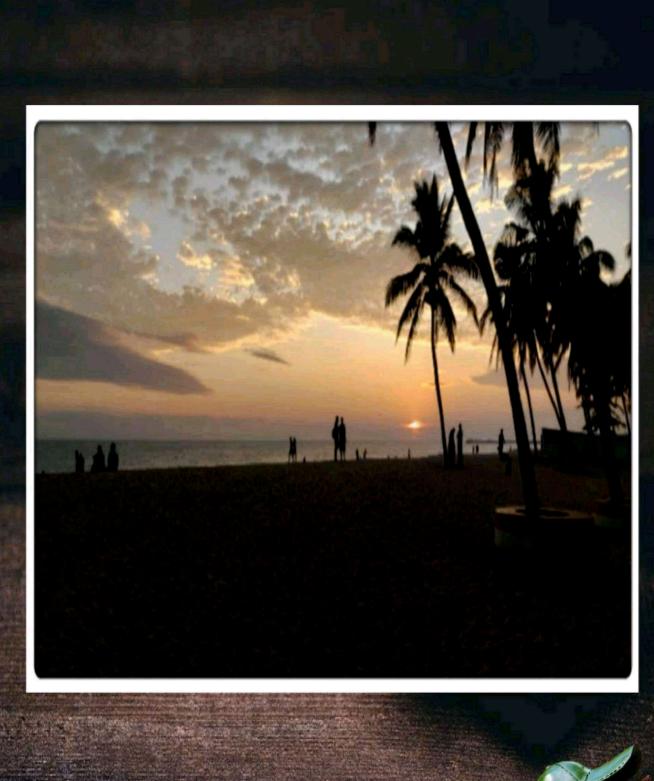
# PHOTOGRAPHY





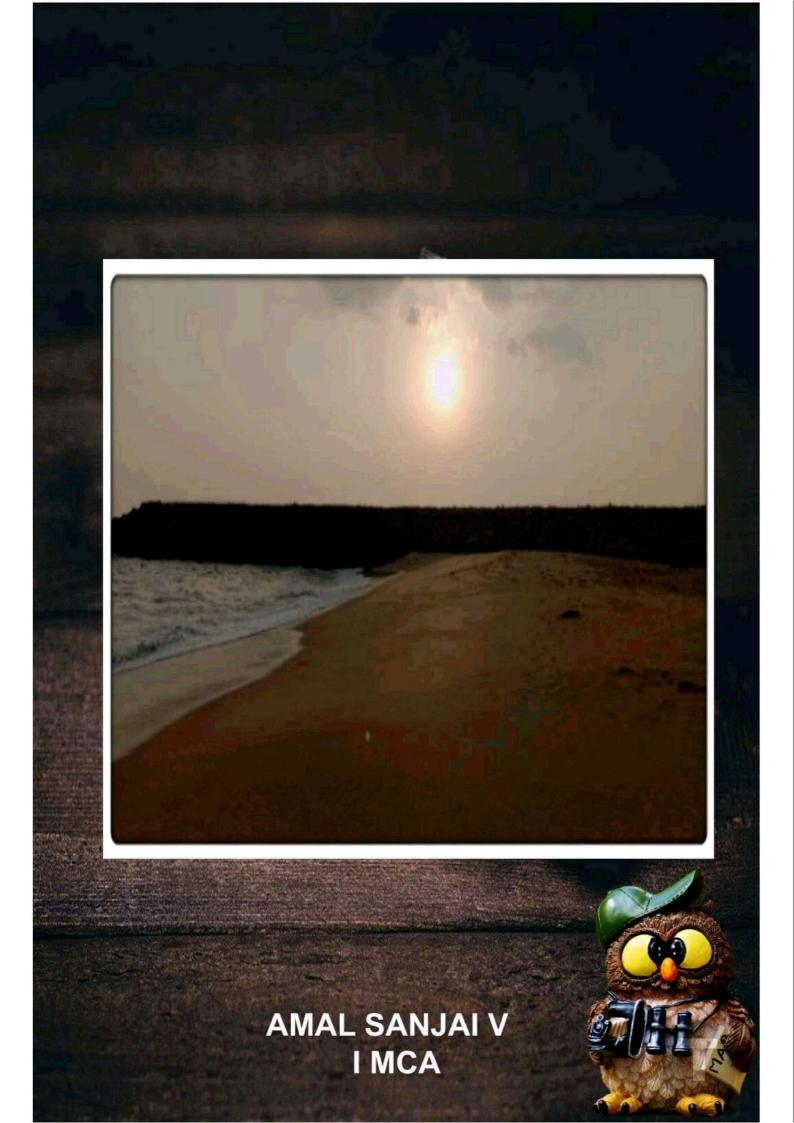
SIVAKRISHNAN A I MCA

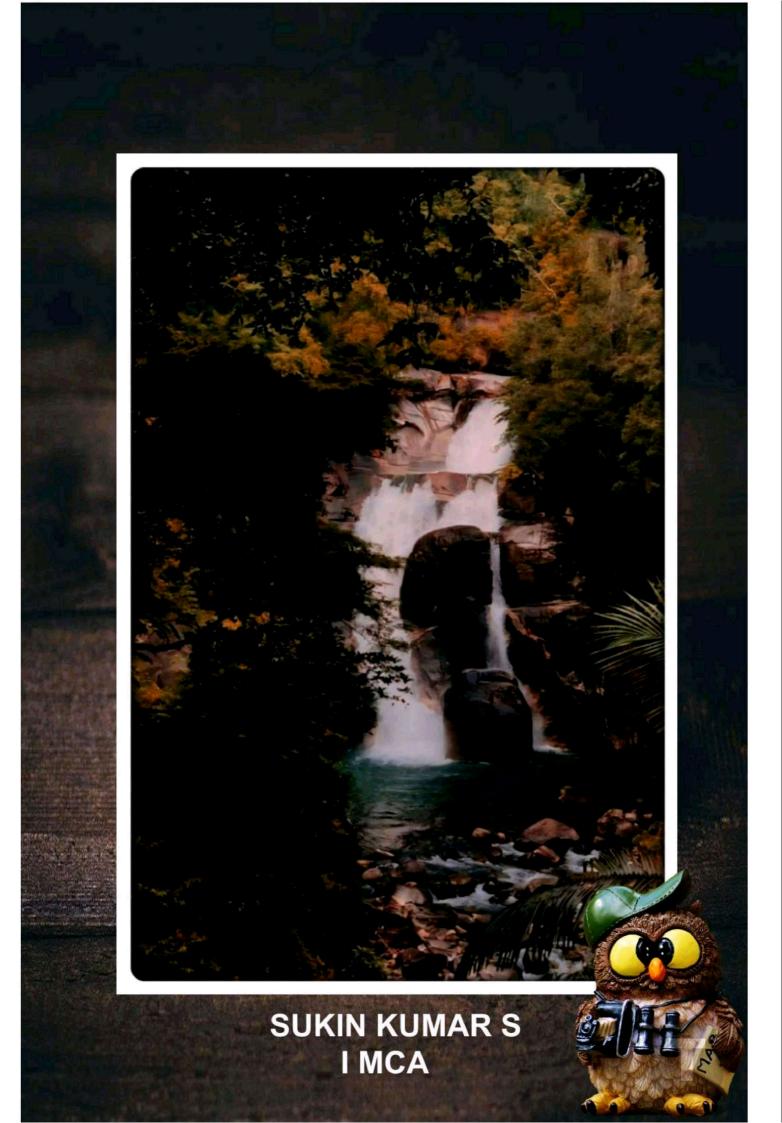




SAHAYA RESHMA S I MCA

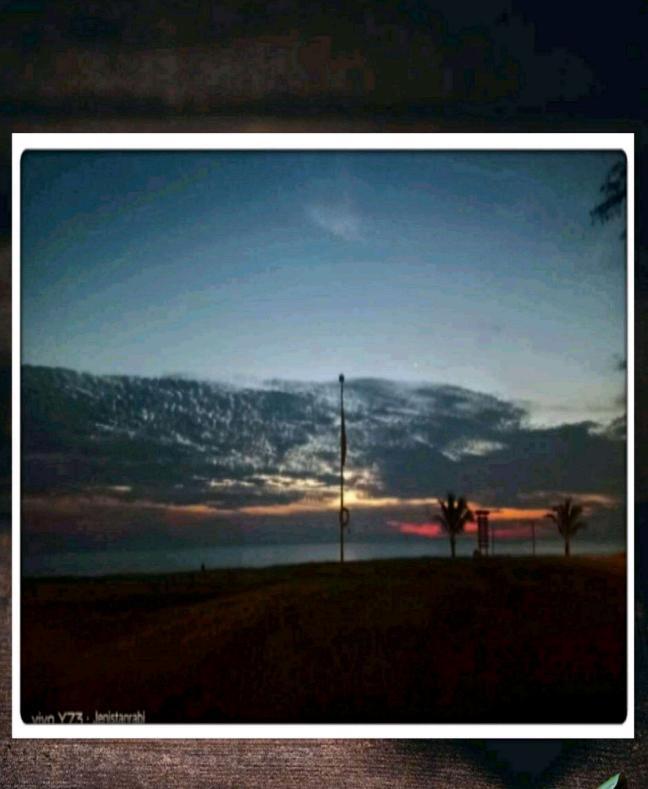






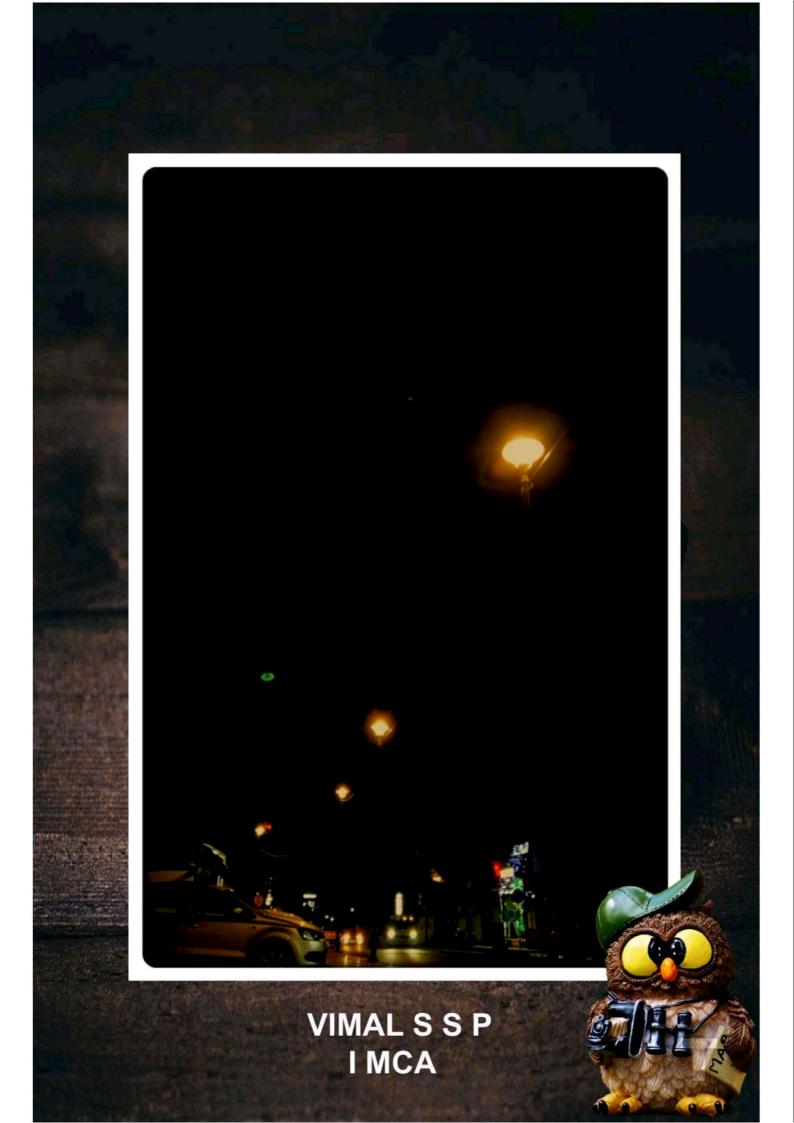


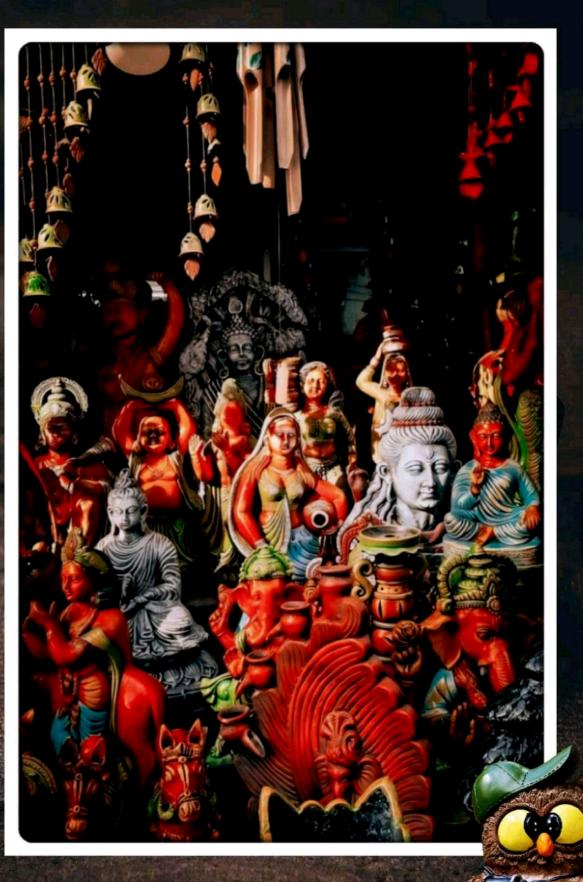
VIGNESH B NAIR I MCA



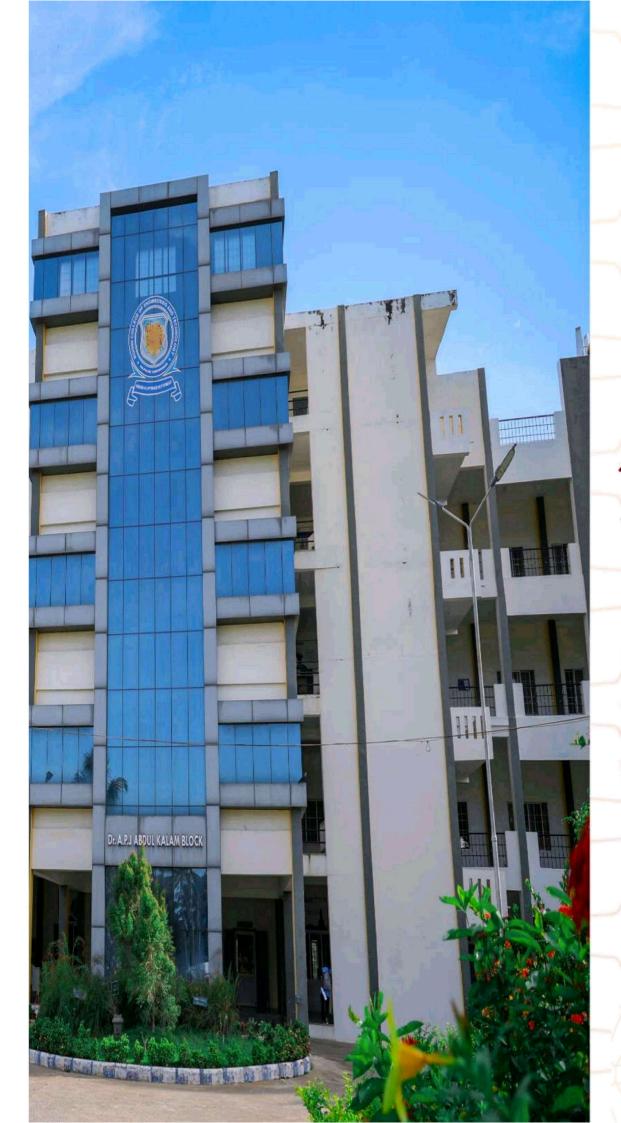
MARY RAFEENA T I MCA







MOHAMED SAJAN J I MCA



### CALLED V

### **GUEST LECTURE**

### Guest Lecture on career planning and development CONCLUSION

The guest lecture on career planning and development, held on October 20, 2023, was a remarkable event that left a lasting impression on attendees. Teena Gracy, a seasoned Qualitative IT Analyst at CTS, spearheaded the session with wealth of experience and knowledge in the field. Throughout the workshop, Teena shared invaluable insights and strategies for effective career planning. Teena emphasized the importance of setting clear career goals, identifying individual strengths and weaknesses, and devising an action plan tailored to one's aspirations.

A significant aspect of Teena's discourse was her emphasis on the necessity of continuous learning in today's competitive job market and highlighted the need for professionals to stay abreast of industry trends and technologies to remain relevant in their careers. Teena's practical tips and advice resonated deeply with the audience, who expressed eagerness to implement her teachings in their career journeys. Overall, the lecture was a resounding success, leaving attendees inspired and motivated to take charge of their professional growth and development. Teena's expertise, coupled with engaging delivery, ensured that the session was not only informative but also transformative for attendees. Eventually, students to embark on a journey of self-discovery and pursue their career goals with renewed determination.





### **INDUSTRIAL VISIT**

The industrial visit to Spectrum Softtech Solutions Pvt Ltd on December 8, 2023. marked an eagerly anticipated opportunity for all participants. Spectrum Softtech Solutions, renowned as the pioneering IT company in Kerala, held a significant position within the industry, making the visit highly sought after. The company greeted by an atmosphere exuding professionalism and innovation, setting a tone of anticipation and excitement for the day ahead.

This tour provided with invaluable insights into the company's operations, infrastructure, and the impressive work being carried out by itstalented team of professionals. Witnessing the innovative projects and solutions being developed firsthand was both enlightening and inspiring, giving deeper appreciation for the advancements within the IT sector.

One of the most rewarding aspects of the visit was the opportunity to interact with

industry experts and professionals at Spectrum Softtech Solutions. These interactions facilitated meaningful exchanges of knowledge and expertise, allowing to learn from some of the best minds in the field. Through discussions an demonstrations, go through insights into various a pects of IT, from software\ development methodologies to cutting-edge technologies.

Moreover, the visit served as a source of inspiration for our own career paths in IT. Seeing the dedication, creativity, and excellence demonstrated by the team at Spectrum Softtech Solutions inspired to aspire for similar achievements in the future endeavors. The experience was not only motivational but also provided with a renewed sense of passion and determination to excel in the dynamic field of technology.



### WORKSHOP

### workshop on full-stack web development

The workshop on full stack web development, conducted on March 28th, 2024, was an outstanding learning opportunity that gave attendees a comprehensive understanding of website development. Gokulraj, experienced iOS and Android developer at ZOI fintech Pvt. Ltd., led the workshop, infusing it with expertise and practical insights. A notable aspect of the workshop was the focus on Node JS, a widely used JavaScript library for building user interfaces. Participants had the chance to delve deep into the intricacies of Node JS, gaining valuable insights into its functionalities and applications in web development. What set this workshop apart was its hands-on approach to learning. Attendees were not just passive recipients of information; they actively engaged in practical exercises, solidifying their understanding of the concepts discussed. Gokulraj's engaging teaching style made the session interactive and enjoyable, ensuring that participants remained fully immersed in the learning process. The workshop didn't just impart theoretical knowledge; it inspired attendees to apply what they learned in real-world scenarios. Participants left the workshop feeling motivated and empowered to explore further in the field of full stack web development. In conclusion, the workshop on full stack web development was a transformative experience for all involved. Under Gokulraj's mentorship practical learning, and through gained valuable skills and knowledge that will serve well in their future endeavors. It was a testament to the power of hands-on learning and expert guidance in fostering professional growth and development in the field of web development.





### INTERNSHIP

### WEBERS INK ARCHITECTS

During their internship at Webers Ink IT Architects, the educational learning experience was exceptional and tailored to provide comprehensive knowledge in IT architecture. Webers Ink organized structured learning sessions covering the fundamental principles of IT architecture, including system design, network architecture, and security protocols. These sessions laid a solid foundation and provided a clear understanding of the core concepts. The educational aspect of the internship was reinforced through hands-on projects that allowed them to apply theoretical knowledge to real-world scenarios. From designing mock architectures to troubleshooting complex systems, each project served as a practical learning opportunity. Webers Ink regularly organized workshops and seminars conducted by industry experts in various domains of IT architecture. These sessions delved into advanced topics, emerging technologies, and best practices, offering invaluable insights and broadening our understanding of the field. As an intern at Webers Ink, they had access to many learning resources, including online courses, textbooks, and industry publications. Additionally, the company provided access to cuttingedge tools and software used in IT architecture, enabling hands-on exploration and experimentation. One of the most significant educational benefits of the internship was the mentorship and guidance provided by senior professionals at Webers Ink. They not only shared their expertise but also offered personalised advice, career guidance, and constructive feedback, fostering continuous learning and growth. Overall, the educational learning experience during my internship at Webers Ink IT Architects was comprehensive, immersive, and highly beneficial. It equipped them with the knowledge, skills, and confidence to excel in IT architecture and laid a solid foundation for my future career endeavours.

- Hari K
- Aasbin T
- Aksha S
- Mathan S
- Rathini R
- Abinaya K
- Santhiya S
- Vimal S S P
- Sree Devi K
- Preethi Jose S



- Siva Krishnan A
- Mary Rafeena T
- Jenova Rebolin J
- Mohamed Sajan J
- Rafiq Ahamed S M
- Akshaya Kamali M
- Mohamed Shakkir M
- Arockia Salet Misma F



### **Wibits Web Solutions**

At Wibits Web Solutions, the internship program is designed to provide interns with a rich educational learning experience in various aspects of web development and design. Wibit Web Solutions offers a structured curriculum covering key concepts and technologies relevant to web development. Interns receive training in programming languages such as HTML, CSS, JavaScript, and frameworks like React.is, Angular, or Vue.js. Interns have the opportunity to work on real-world projects under the guidance of experienced developers and designers. These projects allow interns to apply theoretical knowledge to practical situations, gaining valuable handson experience in building websites, web applications, or other digital solutions. Wibit organizes technical workshops and seminars to supplement the interns' learning. These sessions may cover topics such as responsive design, user experience (UX) design principles, version control systems like Git, or backend development with technologies like Node is or Python. Interns are encouraged to collaborate with their peers on projects and share knowledge and best practices. This peer learning environment fosters collaboration, communication, and teamwork skills, enhancing the overall learning experience.

- Ashin R J
- Deepak S
- Subitha S
- Jence John
- Esai Veni E
- Monisha M

- Ashmika K S
- Ramkumar T
- Amal sanjay V
- Nandhakumar P
- Lorren Britney A
- Bibitha Josemin C



### Priya Think and develope

The internship program at Priya Think and Develop is centred around providing a cc comprehensive educational experience tailored to the field learning software development and innovation. Priya Think and a structured curriculum / comprising Develop offers fundamental concepts advanced and topics development. Interns are introduced software to programming languages, algorithms, data structures, software engineering principles, and industry best practices. Interns engage in hands-on projects that allow them to apply theoretical knowledge to real-world scenarios. These projects cover a wide range of areas such as web development, mobile app development, data analysis, machine learning, and software testing.

- Aswini R
- Pavithra I J
- Baby Shalom S

- Terren Berley A
- Dhana lakshimi T R
- Mary Minisha Babi M



### **Marcello Tech**

The internship program at Priya Think and Develop is centred around providing a cc comprehensive educational learning experience tailored to the field of software development and innovation. Priya Think and Develop offers a structured curriculum comprising concepts and advanced fundamental topics software development. Interns are introduced programming languages, algorithms, data structures, software engineering principles, and industry best practices. Interns engage in hands-on projects that allow them to apply theoretical knowledge to real-world scenarios. These projects cover a wide range of development, such as web mobile app data analysis, machine learning, development, software testing.

- Anisha I
- Prem Sathya E
- Christa Royal C
- Manju Krishna M
- Anjuvaishnavi C K

### **AVC Communication**

At AVC Communication, the internship program is meticulously crafted to provide interns with a robust educational learning experience in the realm of communication and media technology. AVC Communication offers interns a structured curriculum covering fundamental concepts and advanced topics in communication and media technology. This curriculum includes areas such as communication theories, media production techniques, digital marketing strategies, content creation, and multimedia storytelling. Interns are activelyinvolved in hands-on projects that allow them to apply theoretical knowledge to practical scenarios. These projects encompass various domains, including video production, graphic design, social media management, content writing, and digital advertising.

Communications

### **AK INFO PARK PVT LTD**

At AK Info Park Pvt Ltd, the internship program is crafted to provide interns with a rich educational learning experience in the realm of information technology and digital innovation. AK Info Park Pvt Ltd offers a structured curriculum encompassing fundamental concepts and advanced topics in IT. Interns are introduced to programming languages, database management systems, web development frameworks, and other relevant subjects essential for a career in technology.

- Archana P
- Mary Shanu C
- Sahaya Reshma S



### **PanTech Solutions**

At Pantech Solutions, the internship program is meticulously designed to provide interns with a comprehensive educational learning experience in the field of technology and engineering. Pantech Solutions offers interns a structured curriculum covering fundamental concepts and advanced topics in technology and engineering. This curriculum includes areas such as embedded systems, electronics, robotics, programming languages, and software development methodologies. Interns are actively engaged in hands-on projects that allow them to apply theoretical knowledge to practical scenarios. These projects span including hardware design, domains. various development, sensor integration, IoT (Internet of Things), and automation. Through project-based learning, interns gain practical experience and hone their skills in technology and engineering.

Anupkrishnan R



### Vugha Technological Solutions Pvt Ltd

At Vuga Technological Solutions Pvt Ltd, the internship program is meticulously designed to comprehensive educational interns a learning experience in technology and innovation. Vuga Technological Solutions provides interns with structured curriculum covering fundamental concepts and advanced topics in technology. This curriculum includes areas such as programming languages, software methodologies, development database development systems, management web frameworks, and emerging technologies. Interns are immersed in hands-on projects that allow them to apply theoretical knowledge to realworld scenarios.

Isai Vani M

### **Aruvi technology**

At Aruvi Technology, the internship program is meticulously designed to provide interns with a holistic educational learning experience in the technology and innovation. Technology offers interns a structured curriculum fundamental ncompassing concepts advanced technology. topics in This curriculum covers a wide range of areas such as programming languages, software development methodologies, database management systems, web development frameworks, and emerging technologies.



Ajitha Shanmugapriya N



# ACHEIUMENTS

### AJITHA SHANMUGAPRIYA N

Got 1st prize for hackathon at women's day celebration and St. Xavier college symposium

**ASWINI R** 

**Completed Python** 

**PAVITHRA I J** 

Completed C++

**ESAI VENI E** 

**Completed HDCA Course** 

PREM SATHYA E

Learner Psychology

Completed Python for data science in NPTEL

AKSHAYA KAMALI M

Got 1st prize for PulliKolam at women's day celebration

MANJU KRISHNA M

Completed Python

MARY SHANU C

**Completed Java** 

CHRISTA ROYAL C

Got 1st prize for Art from Waste at the Women's Day celebration

RATHINI R

Got 2nd prize for Face Painting at Ayyappa College of Arts and Science

ANJU VAISHNAVI C K

Got 1st prize for Art from Waste at the Women's Daycelebration

PREETHI JOSE S

Got 2nd prize for Face Painting at Ayyappa College of Arts and Science and Fireless cooking at a women's day celebration

SANTHIYA S

Got 2nd prize for

Fireless cooking at a women's day celebration

MARY RAFEENA T

Got 2nd prize for Poster design at St. Xavier College symposium

ARCHANA P

Got 2nd prize for Poster design at St. Xavier College symposium

MANUNEETHI CHOZHAN M

Completed Applied data science with Python & MongoDBdeveloper and administrator

VIGNESH B NAIR

Completed Applied data science with Python & MongoDBdeveloper and administrator

ARUN K S

Completed Applied data science with Python & MongoDBdeveloper and administrator

**ARUN C KURIAN** 

Completed Applied data science with Python & MongoDBdeveloper and administrator

**Maximum Students Completed Azure Fundamentals** 

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