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JANUARY-2024

INTERNATIONAL SCHOOL

OF TECHNOLOGY AND SCIENCES FOR WOMEN

(AUTONOMOUS)



MAGAZINE



NH-16, East Gona Gudem, Rajanagaram, East Godavari-533294



Within the vibrant tapestry of ISTS college life, cultural activities weave threads of diversity, fostering understanding, enriching experiences, and shaping a community that celebrates the kaleidoscope of human expression.

Preface

A college magazine is a mirror of the college life. It reflects the literary, educational, and sports activities going on in the college. It collects the important events celebrated in the college during a certain month or year. It also contains news about the college. ISTS Women's Engineering College publishes its magazine 'PULSE' once in a year.

A layman can judge the standard of the education of a college just by going through the college magazine. It shows the activities of students in the field of their extracurricular enthusiasm as well as in their academic ventures. That is why every student looks forward to its publication and contributes to it. The magazine is received by the students very enthusiastically.

The magazine prepares students for their future. It gives them training in concentration of thoughts and ideas and in discipline. It can educate and prepare students for their different roles in society which they will certainly play in the near future. Students can benefit a lot by the friendly guidance of a college magazine.

The college magazine has editorial board which consists of senior professors of the college. Students and faculty obtain an excellent opportunity for displaying their talent. Essays, short stories, poems, informative articles are written by students and faculty in the magazine. This cultivates a fine literary taste among the students as well as faculty. In this way, the college magazine helps boost new talent. The young budding authors and poets are encouraged a lot as their works are published in the magazine. Obviously, it is a rare pleasure to see one's work in print in the college magazine.

The college magazine is a comprehensive magazine as it contains valuable articles from the college professors and young students, who want to convey about their successful career and about their interesting experiences. Thus, a college magazine plays an important role by the students and faculty.

INTERNATIONAL SCHOOL OF TECHNOLOGY AND SCIENCES FOR WOMEN

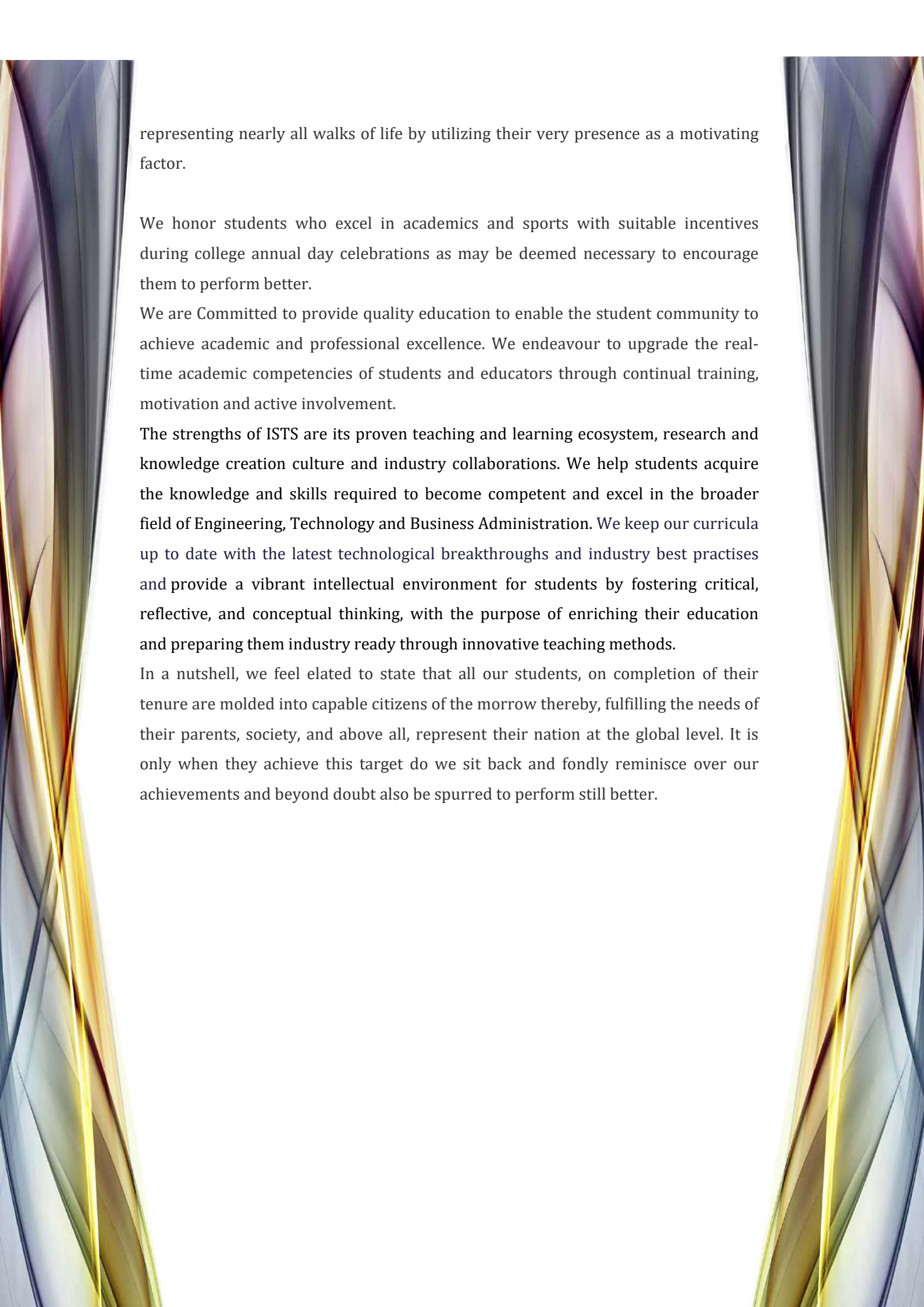
International School of Technology and Sciences for Women (ISTS) is a premier institution pioneering the cause of providing technologically oriented education in Andhra Pradesh, with an inspiration to contribute its mite, in its small way to the concept called - Brand India. The idea basically is an attempt to transform the young rural women into highly competent and technically sound talented professionals - arm her with latest skills and knowledge, improve her efficiency, increase her productivity, fine tune her personality, unleash the true potential in her, and turn her into Global technological woman.

A decade's long journey of academic excellence of ISTS, has been awarded with the prestigious A+ grade by the National Assessment and Accreditation Council (NAAC). With a Cumulative Grade Point Average (CGPA) of 3.37 on a 4-point scale, ISTS has joined the elite list of colleges to be accredited with an A+ grade by NAAC in its very first cycle. The Institution has been conferred with autonomous status by UGC for ten years.

UG courses B.Tech in Computer Science and Engineering , CSE(Artificial Intelligence), Artificial Intelligence and Machine Learning, Data Science , Electronics and Communication Engineering, VLSI Design and Advanced Communication Technology are offered. Also PG courses MBA, MCA, M.Tech in Computer Science and Engineering, Software Engineering ,Artificial Intelligence, Embedded Systes , Advanced Communication Technology and VLSI are also offered and the total annual intake is 1560.

The strength of the Institution is the highly qualified and dedicated faculty who have been meticulously picked from prestigious Institutions across the country.

Every year, ISTS maintain the set trend by achieving excellent pass results, students performance in academics is indeed praiseworthy, yet we do not tend to overlook co-curricular activities as well. Most of us are aware of the vital fact that of late, students are expected to fully equip themselves such that they are able to face the rigors of life at the global level. No doubt, we do not spare no efforts, whatsoever, in this particular direction, our students are well acquainted with personalities



representing nearly all walks of life by utilizing their very presence as a motivating factor.

We honor students who excel in academics and sports with suitable incentives during college annual day celebrations as may be deemed necessary to encourage them to perform better.

We are Committed to provide quality education to enable the student community to achieve academic and professional excellence. We endeavour to upgrade the real-time academic competencies of students and educators through continual training, motivation and active involvement.

The strengths of ISTS are its proven teaching and learning ecosystem, research and knowledge creation culture and industry collaborations. We help students acquire the knowledge and skills required to become competent and excel in the broader field of Engineering, Technology and Business Administration. We keep our curricula up to date with the latest technological breakthroughs and industry best practises and provide a vibrant intellectual environment for students by fostering critical, reflective, and conceptual thinking, with the purpose of enriching their education and preparing them industry ready through innovative teaching methods.

In a nutshell, we feel elated to state that all our students, on completion of their tenure are molded into capable citizens of the morrow thereby, fulfilling the needs of their parents, society, and above all, represent their nation at the global level. It is only when they achieve this target do we sit back and fondly reminisce over our achievements and beyond doubt also be spurred to perform still better.

Vision

To continuously evolve as a pre-eminent center of excellence in emerging technologies, dedicated to empowering women and nurturing their talents, with a focus on cultivating them as visionary global leaders.

Mission

- Our mission is to provide a supportive and inclusive environment where women can thrive in the field of emerging technologies.
- Through our comprehensive programs, we aim to nurture their talents, enhance their technical skills, and foster their leadership abilities.
- By cultivating a community of visionary global leaders, we strive to create a lasting impact on the technological landscape, where women play a pivotal role in shaping the future.

Objectives

The Institution has the broad objective of being an active agent of change by responding to the needs and challenges of the times. This achieved basically through the process of education, training and research.

Editorial Note

Midway through editing and designing a pile of articles which I was nose deep in and with the thoughts of zillion things that "JUST HAD TO BE DONE"; I pulled at my hair for the very first time. This was the first of many such moments (hours)! Putting a magazine together was no cake walk. I along with my editorial team members have spent sleepless nights to make this "THE PULSE" magazine stand out.

So here you have "THE PULSE" the long-awaited magazine of ISTS for the year 2014-15. The name of the magazine "THE PULSE" may seem difficult, but it just means "DEEP INSIGHT" a clear vision. This magazine gives an insight into the ISTSians way of life, their creativity and activities. This magazine is a platform that exhibits the literary skills and innovative ideas of faculty and students. "THE PULSE" presents the hard work and dedication of students and contribution of teachers.

I would like to thank all my editorial team members for helping me pull this through. I express my considerable appreciation to all the authors of the articles in the magazine. These contributions have required a generous amount of time and effort. It is this willingness to share knowledge, concerns and special insights with fellow beings that has made this magazine possible.

Thank You all!!

Dr. Jayakumar Andru.
Editor, The Pulse Magazine.



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Chairman's Message

Academic excellence along with active participation in Co-Curricular activities complete the process of education, and it gives me immense pleasure that the college is progressing in all its endeavors towards the overall development of the students and faculty.

It gives me immense pleasure to know that our International School of Technology and Sciences for Women is bringing out the 'The PULSE' magazine for the academic year 2023- 2024. Education aims to the holistic development of the student. Learning involves the use of creative writing as an integral part. The college magazine plays a vital role in providing an opportunity of to the creative minds and represents the aspirations of the students. It is a significant factor in the development and growth of the student's the creative talents.

I am extremely proud to express that our Institute has been exemplary in providing quality education to the students by creating the congenial atmosphere to imbibe good ideas and cultivating a spirit of learning to achieve outstanding results.

The platform offered by the Pulse magazine will undoubtedly help their personalities and achieve their dreams.

I congratulate the Principal Madam, editorial team, faculty, and students who have immensely contributed to this magazine and wish them the very best for all their future endeavors.

K. Upender Reddy



nan

Chairperson's Message

Congratulations. It is great to see our college International School of Technology and Sciences for Women publishing the first magazine named 'THE PULSE'.

I have read prior issues with tremendous interest articles to be bold, unbiased and thought provoking. For me this magazine is beginning of a new era in which educators and thinkers of college will go beyond the classrooms, directly take their message to the society. This magazine is truly one of a kind and provides a perfect platform to foster dialogue on social issues. This is a challenging time for our college and there needs to be an open discussion on important issues such as social justice, equality, and the role of women in our society. Putting together such as high quality magazine requires hard work, dedication and higher purpose.

The principal, editorial team, faculty, and students who have made a significant contribution to this magazine are congratulated and I wish them the best for their future endeavors

*Mrs.Vangala Anusha
Chairperson*



Principal's Message

It a pleasure for me to bring out the Annual Magazine ISTS PULSE -2023, being my first release of the Annual Magazine of the College, indeed. It is a mirror as to how everyone – student and staff have stayed together and spent their productive time in sharing and acquiring knowledge and wisdom in the institution.

International School of Technology and Sciences for Women is emerging as an important star in the galaxy of reputed technical institutions by committing to impart quality education. The unsung but conspicuous reputation itself is a mirror for it. The 14 years young Institution is well equipped with the state-of-the-art infrastructure espoused with quality human resource committed to provide professional education focusing on creativity and innovation

The environment in International School of Technology and Sciences for Women for knowledge assimilation, generation and dissemination with a sense of social responsibility, human values and concern for environment has carved a special place for itself among the best technical institutions.

I am quite pleased to learn about the forthcoming issue of the magazine. No doubt this creative endeavour will bring out an artistic array and scientific expressions. I do appreciate and applaud the editorial team for their successful completion of this tedious task to put together the myriad thoughts and dreams of our students and staff.

I wish you all good luck and hope that the magazine will reflect the skills of all our students and staff.

Dr.Y. Rajasree Rao, Principal



Administrative Officer's Message

Dear ISTS Community,

It is with great pleasure that I extend my warmest greetings to all the students, faculty, and staff of International School of Technology and Sciences for Women. As we embark on another academic year, it is inspiring to witness the collective enthusiasm and dedication that defines our vibrant community.

Our college has always been a beacon of knowledge, innovation, and empowerment. As we strive for academic excellence, let us also celebrate the diverse talents and achievements that make each member of our community unique.

This year's magazine THE PULSE serves as a testament to the remarkable journey of International School of Technology and Sciences for Women. Within these pages, you will find stories of triumph, academic prowess, and the unwavering spirit of our students and faculty. It is a reflection of our commitment to fostering an environment that nurtures both intellectual and personal growth.

As we flip through the magazine, may it remind us of the shared aspirations that bind us together. Let this publication be a source of inspiration, a record of our collective achievements and a platform for the voices that make our community thrive.

I extend my gratitude to the editorial team for their dedication in bringing this magazine to life. Their hard work and creativity have undoubtedly captured the essence of International School of Technology and Sciences for Women

Wishing everyone a fulfilling and successful academic year ahead.

Best Regards.

Mohammed Ahsan Iqbal, *Administrative Officer*



Education is a shared commitment between dedicated teachers, motivated students and enthusiastic parents with high expectations.”

It is a matter of great pleasure to note that the International School of Technology and Science for Women is going to release a prestigious Institutional magazine (THE PULSE). "Learning is a continuous process from the minute we are born, until we die." International School of Technology and Science for Women provide a platform for every student to develop her learning skills through this magazine. The college magazine THE PULSE has provided an opportunity for students to portray their topics of interest and share their ideas. As you scan through the pages, it will enlighten you with the important milestones that our College has achieved in this year. Besides, our budding talents have expressed their thoughts, ideas, hopes, feelings, aspirations and convictions in a creative way. The Faculty members are sent to seminars, workshops and Summer schools to improve the skills required. This THE PULSE should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in future for building their wonderful career.

I congratulate all the Teaching and Non teaching staff, editorial board and students of the International School of Technology and Science for Women for bringing this edition of Magazine THE PULSE 2023-24.

Wish you all the best.

D D D SURIBABU
Vice Principal & HOD CSE



Message of Dean of Student's Affairs

As the Dean of Student Affairs, I am particularly excited about this initiative because Pulse embodies the spirit of our vibrant and diverse student body. It is a platform that amplifies the voices, stories, and achievements of our students, creating a space where creativity and intellect converge.

Pulse is not merely a publication; it is a living archive of our collective journey—a journey marked by academic triumphs, personal growth, and the forging of lifelong connections.

I encourage everyone to actively engage with Pulse—read its pages, contribute your stories, and embrace the opportunity to be part of a dynamic and evolving narrative. Let this magazine be a source of inspiration, a catalyst for dialogue, and a symbol of the unity that defines us as a community

I want to congratulate the entire Pulse team for the commitment to excellence. I look forward to witnessing the continued growth and success of Pulse.

Best wishes

Ms. S.Bala Kumari
Dean Student Affairs



*‘If you are not willing to learn, no one can help you.
If you are determined to learn, no one can stop you’.*

It gives me immense pleasure to express my views on the release of the first college magazine named ‘The Pulse’. Our talented students and faculty have created this magazine as culmination of their hard work and creativity. One of the key features of this magazine is the inclusion of student and faculty voices. It is belief that the most effective way to comprehend is to hear directly from those who have experienced it. Our students and faculty have shared their personal stories and reflections on how their background and cultural identity shapes their worldview. Our collection of articles, essays, poetry, that highlights different aspects of technology, such as culture, language, traditions and moreover healthcare. I want to express my heartfelt gratitude to all the students, faculty, and editorial team for their unwavering enthusiasm and relentless pursuit of excellence. Wish you all the best.

*Dr.Prasad Rayi,
HOD Dept. of ECE*



It fills me with immense pride to hear about our college magazine, a vibrant reflection of the remarkable activities and achievements of our dynamic community. Within its pages, you'll find captivating stories, awe-inspiring projects, and unforgettable moments that capture the true spirit of our college. From academic achievements to co-curricular triumphs, our magazine celebrates the incredible talents and dedication of each and every one of you. I want to express my heartfelt gratitude to all the students, faculty, and staff for their unwavering enthusiasm and relentless pursuit of excellence.

Mr.A.Venkata Raju
HOD Artificial Intelligence



It gives me a great joy to hear that our International School of Technology and Sciences for Women, is releasing 'THE PULSE' magazine for the academic year 2023- 2024. The goal of education is to help students develop in all aspects. Creative writing is an important element in learning. The college magazine plays an essential role in giving creative minds an opportunity and promoting the aspirations of the students. It plays a vital role in the development and growth of the creative talents of students and staff. I want to express my sincere gratitude to all the students, faculty, and editorial team for their tireless enthusiasm and relentless quest for excellence. Good Luck

Mr.K. Ravi Kumar
HOD Dept. Of Agricultural Engg.

We produce Post Graduates to become future leaders for industry, academia, government and society whose vision is founded upon fundamental knowledge, creative and analytical skills. Through a nice blend of course work and projects, the department endows students with the ability to apply knowledge of Management to work effectively in multidisciplinary teams.

The faculty of the department covers a wide range of management areas such as Marketing, Finance, Human Resource Management, systems etc.

The growth of expertise in the department is commendable. In keeping with the department's vision, the holistic development of the students is focused upon that instills a habit of continued learning and a sense of responsibility in them to contribute towards the betterment of the society.

Best wishes from the department of management studies for launching the college magazine 'THE PULSE'.

Mr AVVS Prasad
HOD Dept. of Management Studies



The Department of Artificial Intelligence and Machine Learning (AI & ML) welcomes you all. It is with great pleasure and pride that I welcome you to the latest edition of our college magazine. This year a number of activities have been conducted and it is a great matter of satisfaction to see the performance from the students and as well as from the few faculty members. Within these pages, you will find a tapestry of accomplishments, insights and articles. This magazine serves as a testament to our collective pursuit of excellence. I extend my gratitude to the contributors, editors, and everyone for this great success. Wishing you all a memorable read!

Ms.B.Sushmitha
HOD Dept. of AIML



Knowing that our ISTS Women's Engineering College is launching the 'THE PULSE' magazine for the academic year 2023-24 makes me feel very happy. Students and faculty have made a valuable contribution through their creative mind and several activities have been carried out this year. It brings me great joy to witness the accomplishments of the students and the faculty members. I express my gratitude to the contributors, editors, and everyone for this remarkable achievement. I am thankful to all those who helped create this magazine.

Mr.N.S.S.N. Murthy
HOD Dept. of H & BS



It gives me immense pleasure to express my views on the release of the college magazine. As you scan through the pages, it will enlighten you with the important milestones that college has achieved this year. Besides, our budding talents have expressed their thoughts, ideas, hopes, feelings, aspirations and convictions in a creative way. The Faculty members are sent to seminars and workshops to improve the skills required. The students and staff are encouraged to present papers in Conferences and they are bringing laurels to the college. This magazine should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their career. The Academic activity is continuously geared up and monitored to cope-up with emerging trends of technological development and innovations. With this spirit and tempo being maintained, I am sure the College is going to occupy a noticeable place among the technical intuitions of India. I am confident that due to decentralization of the college activities into the departmental level the students of ISTS family will get exposure to academic and professional fields which will leave a mark of their services, wherever they go, by exhibiting their sound professional knowledge, unimpeachable character, sense of discipline and commitment.

Mr. M. Narsimha Rao
HOD MCA



Student Essay Writing Competition

We are thrilled to announce the successful culmination of Essay writing competition on "Cleaner and Greener Future". Around 450 students participated showcasing their passion for environment sustainability.

Their enthusiastic thoughts and dedication to shaping a better world is commendable.

As a note of encouragement, we have published all the best essays in this magazine.



"PROMOTING CLEANERY AND GREENERY IN FUTURE"

"KEEP ENVIRONMENT CLEAN AND GREEN"

Nowadays a lot of pollution, because of pollution there is a global warming. It's acts on climate change like in summer also there is rains and in rainy season there is summer. we should keep environment sustainable. Now we have to Ban the plastic in the world. The plastic is dumping in the dranges. Due to plastic the environment is spoiling. we should have healthy oceans because the oceans only covering 70% of the earth.

"Better Environment, Better Greenery"

We should not cut trees, we should plant trees for our sustainability, because trees give us oxygen to survive on earth. So, every people should plant trees for future development.

"Don't Deforest, Do Afforest"

Conservation of energy due to this energy are solar, batteries, etc.... After that we should develop cleanliness for that Narendra Modi has kept
"Every drop of water, makes a Sea"

one scheme is "Swatch Bharat". Soil conservation, In this people are doing the worst soil with plastic which we can't reuse. When the people are throwing waste to soil, it won't dispose.

"Go Green, Breathe Clean"

If we won't reuse, refuse tells us Reduce, Reuse, Recycle. For Reducing the petrol vehicle, we can get less pollution and traffic. From cloth bags we can recycle, so the soil is good and it can't affect green house gases, then we can get good food from cultivating land.

We should our surrounding clean and green in the houses, offices, schools and purification of water and filtration. From this we can get cooler environment. Pollution are different types Sound Pollution, water pollution, Air pollution. We should Ban factories for air pollution. we should pollute the ocean by plastic

Conclusion:- Save plants and animals. Don't pollute the soil. Don't cut trees, plant the trees.

"Stop polluting the Environment"

"CLEAN INDIA, GREEN INDIA"

Pollution
Day → Dec - 2

Promoting cleaner and Greener future

A170

Nature is a teacher. A teacher will teach us ^{how} to study as like as nature will. teaches us how to live in society. nature will teach us that how to feel the air, beauty of nature, trees & etc.. In nature we can recognise the several types of resources,

Those are many, like sky, trees, plants, greenary fields, clouds, mountains, insects, butterflies, dragon flies, birds etc...

We should know about our nature. If we save our nature, nature will save us.

In know a day's people are not saving the nature. They are forgetting the beauty of the nature. The nature can learn every one's life. These people's are polluting the nature too badly. We are throughing a waste material in drainages (d) in roads, but we should through it in the trash boxes. The people's are behaving as a ravann on nature, coz of nature gives us a good breath (Oxygen (O_2)) & it takes Carbondioxide (CO_2) it's pure thing but we are creating a more NO_2 gases in air & Sulphuric acid & mostly we are realising more moisturised acids so the nature getting damage and its spoiling. Due to more acidic chemicals the nature is completely damaging, The Our protective Ozone layer also damaging due to our carelex. In our generation not thinking about nature they think's only about their happiness. All behaves like eating junkfoods, fatfood items, fatty items & throughing on the roads & drainages. All are use toilets but not washing

clearly & clearly by this process damage our lives. Mosquitoes will play with us like a cricket, badminton etc...

→ By using vehicals, factories more smoke pollution is occuring so the ozone layer is damaging.

→ From vehicals very more noise pollution.

In this type of pollutions birds, trees, human's are damaging too badly, all are dying.

So, If we be like this our earth, our society, our nature will collapse as soon as. So, please change that what you all are doing now a day's. Don't damage the nature, please protect the nature. it will give a huge type of benifiti

By nature we can live many year's in the earth.

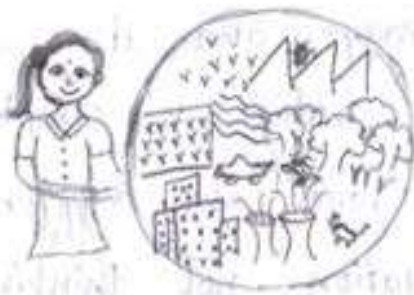
If we not support the earth, earth will damages your life.

And you will ~~also~~ die.

"Don't Damage the Earth"

"Please stop the pollution"

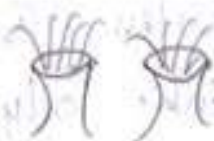
♥ Save the earth
Save the Nature



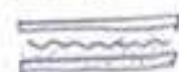
Pollutions:-



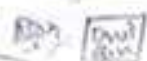
→ vehicals



→ Factories



→ Drainages



→ Waste materials

the deforestation and endangered species, and some of the wild animals. If we observe in our present scenario we can't able to see some animals and birds in live because those are endangered due to deforestation and some of the pollution.

Policy Advocacy and International Cooperation:

By using different policies and advocations we can able to save our earth. As we can observe the climate changes, pollution all if we do some policies like if we reduce the reliance on cars then we can able to get out from from the greenhouse gas emissions.

→ By using small house and business also we can energy source efficient

for ex:-

- * By turning off lights when we are not used.
- * By remove the electronic appliance means unplugged when we are not using.

Promoting a green and clean future is not easy, it requires to have a change in our lifestyles and in our ecosystem also. By achieving this not only the government, state, nation are have to take the responsibility but each individual in the planet have to be responsible to make our

growing in a better way, by eco-friendly.

"Cleanliness is a treasure, keep it with treasure".

We have to reduce the pollution, keep growing the trees by making all the above contributions we can our planet as healthier as possible.



"Respect the Earth, keep it clean from Birth".

If we people being a human being each individual have to be responsible for a clean and green future.

"A Cleanliness of today is a great Greenery of tomorrow".

"Happy National Pollution Control Day"
Dec-2nd.

* Promoting a Cleaner and Greener Future *

=> A greener cleaner future reflects overall development in our environment with sufficient resources, sustainability and low investments. In the greener earth employment will be created in private and public sector investment with improve economic activities and innovatable infrastructure where carbon, ecological balance to maintain the environment.

* Plant more and more Trees *

The government should invest more in sustainability use resources wisely. Facilities to support logical expenditure of public services. It should take investives for reforming policies taxation and regulations where people will be more aware and change their activities.

* Maintain Healthy and Ecosystem *

The United Nations Environment Program create a development path where people will be benefited in their livelihood by depending on natural resources. The greener future aims at creating new form of investment and infrastructure employment skills and technology, and positive effect on environment.

* Save water and Save Energy *

It is our chief responsibility to keep environment cleaner and greener for our own benefits. To bring a sustainability and positive change in the environment we should be more aware and to be alert to use the natural resources.

* Reduce the chemicals and pesticides *

The government should take strict actions for implementing policies about nature conservation so that people become concerned about it.

* use plastic bags and steel water bottles *

When people will notice improvement like re-use, recycling using the objects or things repeatedly and lifestyle and environment they will eventually follow the changed pattern of livelihood.

* Think positive and go with green *

use cotton bags and re-use the products and the environment should be cleaner and greener with trees and plants go with a green the life is also beautiful things with a green future and the environment should be a clean, aware the pollution use the vehicles less for sound pollution and horns.

.... # we are not above the nature

we are part of the nature #....

"Go with a green"

* use natural resources * The greener future aims to creating new form of investment *...*

Promoting Cleaner & Greener Future

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The world is filled with greenery, the plants, trees and bushes and grass, just looking at them brings us peace and positivity. The beauty of the nature is undescrivable, along with it's breath taking view it also gives us oxygen which is very very important for a human being on earth. People like spending time with mother nature to calm down their soul and mind. There is some connection between us human beings and the nature which can't be divided, as the trees and plants are also considered as living beings and which gives us the responsibility of looking after them by planting more trees, reducing of deforestation, polluting etc. We human beings should be acknowledged about the plants & trees, and also educate our next generation and others not to misuse them. People cut trees to build apartments, and woods works, papers, etc and ruining the environment. It is not to cut them for our needs but everything has it's own limits and they shouldn't be crossed. Atleast planting trees or migrating them to another place can be helpful. Small changes in the nature can backfire us by disasters and lead to human lose. Anything can be done until the mother nature reacts on it's own. So, protecting them will be our responsibility and a part of our lives.

Now, let us discuss about the topic "cleanliness". It is a problem everywhere in the world especially in India. Keeping clean refers to keeping our roads clean by not littering the waste, or by also spitting on the roads and stuff. And by polluting the water by throwing our things into it, plastic can be always seen everywhere and don't dissolve into the ground and get ~~to~~ ruined. There is a way to stop them by replacing

them with paper cups, plates, etc... We can also reuse the plastic by reusing them in a nice and neat way or buying the reusable plastic bottles and stuff.

Reuse, Recycle, are a good way to protect the nature as well, Sustaining them can help. Teaching people about organizing ~~and~~ things and place can develop the society and the mindset of the people. That they should keep clean and throw the waste into two different dustbins which are dry waste and wet waste which are in blue and green colour. This can help the nature. Putting dustbins on the road side can actually help in maintaining them. And children can make a habit and schools should teach them about it, so that next generation can enjoy the nature too.

Sustainable economy: Sustainable economy refers to the development resource efficiency and production. When production and consumption will be planned the production process will focus on waste management, recycle process, etc.

Using renewable energies: We should opt for renewable energies like solar energy, wind energy, Biomass, geo thermal energy, hydro electric power etc. We should transfer from energy sources for vehicles, house hold purposes etc to renewable energies.

Conserved water resource: Water should not be polluted and used wisely. plastic should not be used and purification system should maintained. Before wastage of water. Rainwater harvesting should be used where rainwater stored and used for house hold purposes; irrigation etc.

Reduce carbon footprint: forests are main sources for carbon reduction as they are taking carbon as food making process and maintaining balance. The government should take initiatives in promoting the activities for planting trees.

Using sustainable products: Products like plastic should not be used instead we need to promote. using products which will not impact our environment. By green house emission gases. fibre bags, paper made bags should be opted.

"Save water save future".

236W1A4348

Promoting a cleaner and greener future.

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We are aware of cleaner and greener in the environment. Developing the area or city doesn't mean the cleaner and greener Promoteness. Doing something Better among us mean the Development. Now a days we are aware of pollution in today's World. The main Cause of pollution are humans and human made machines.

Due to the cause of lot of pollution in the world, cleaner and greener future as became difficult. But protecting it from harmful pollutions like air pollution, water pollution, and the least soil pollution may protect our environment. The main issue present we are facing is that lack of knowledge to the humans, About clean and green. Promoting clean and green refers to planting the trees in the surrounding area. Maintaining well-intended fresh surrounding.

cleaning the area around us. Fresh locality, good nature and greenery plants may be the good idea to be implemented. The Basic knowledge every human should have is to maintaining good locality of them and good pleasant environment. Not only maintaining our own house clean. Every one should have a thought of clean surrounding around them. The pollution, yet became the cause of everything. This may leads to lot of diseases like lung diseases due to air pollution. Breathing is one of most important resource for human rather than anything. A lot of people facing the same issue, this should be treated as a "brilliant" way to get rid of it.

Using the public transport somehow may reduce air pollution. They were 3 types of pollutions.

• Air pollution • Water pollution • Soil pollution.

By reducing the above 3 pollutions may we can promote a well-played clean and green everywhere. Aware children should have knowledge of consuming the environment. planting the trees is the good idea but protecting them against every crucial issue is the man will. Growing the plants with good resources and natural products will be power to soil as well. How we are consuming the environment as the same way we have to clean the natural resources. By cleaning them day by day it can make good resource to the surrounding.

Every year the pollution rate is increasing rapidly. Because of a word called Development. Development means not only the industrial increase by the same way it means the natural resources. Somehow Government take main role towards it. Because it is the main issue everyone should face from child to old. Everyone can take role among this. Using less chemical fertilisers in the soil may leads to good food to the future generations. Mixing the toxic raw materials in water bodies like seas, oceans, lakes and rivers will be good drinking water. The ideology of every human being should change not only mine. It belongs to ours. Spoiling our own locality, our own nature and environment is our issue. So, we have to clear it in ourselves. Burning plastic, and other trash materials should be avoided.

"Stay Stop to pollution"
"Let's Be clean and Green" Jai Hind

* PROMOTING A CLEANER AND GREENER ENVIRONMENT *

(33)

Introduction : To promote a cleaner and greener environment in future, first we have to reduce the pollution. In present days, there is a lot of pollution is increasing by construction of industries. We have to plant the trees everywhere. The following are the types of pollutions which are going to stop promoting a cleaner and greener environment.

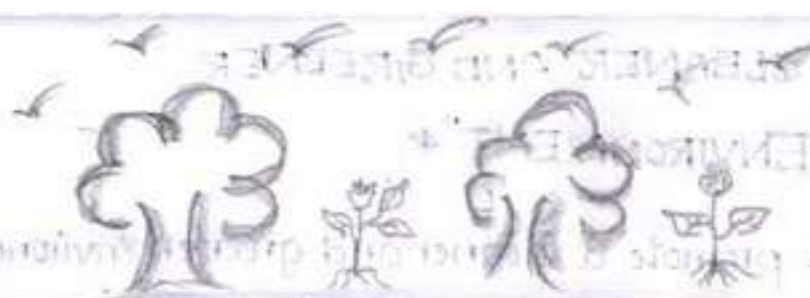
- * Air pollution

- * sound pollution

- * Water pollution

- * soil pollution

By increasing the pollution, the lot of birds, animals are going to be died. Air is polluting through the increase of vehicles and soil is polluting by the human beings where the plastic is getting thrown into soil. Deforestation makes the environment not get cleaned and greener. so, we have to reduce the construction of industries, planting the trees, decreasing the usage of vehicles which are made electrically. through the electrical vehicles and pollution, the animals which are rare were disappeared. so, do Afforestation. We have to save the trees followed by decreasing pollution. Water is getting polluted through the wastage which is going to be thrown in water (i.e, ponds, rivers etc...) so everyone should take as their own responsibility to get a clean and green environment in our future.



* Save the trees, save the Environment.

* Do Afforestation

* Avoid deforestation

All the Wastage should not be thrown on the footpath, (or) sideways. It should be thrown in dustbins. Already we implemented a program "Swachh Bharat" which tells to make our environment clean and green which is introduced by our prime minister Narendra Modi. So that we have to implement and to follow all these kind of programs which makes our environment very clean. Moreover, the thing which we want to implement these things, we must be unity to make our environment. Because, it is not possible by only one person. Now a days, in everywhere, getting a lot of companies which polluting the air. We have to avoid plastic covers everywhere which is getting spoiled more in our environment. In every where we should use the cotton covers and don't use poly-ethene covers. and getting avoid plastic bottles. The plastic covers which we were thrown in footpaths, the animals eat it and getting died. So must use cotton covers. Control pollution. It is only done by us and should planting the trees at everywhere is the main thing is to promote a clean and Greener Environment

*** "SAVE TREES, SAVE ENVIRONMENT
PLANT MORE TREES" ***

* promoting a greener and a cleaner future.

By

Being the citizen of INDIAN Society it's Our responsibility to keep the future greener and cleaner. Now-a-days pollution is everywhere. Day by day it was increasing. people are irresponsible and not thinking about future ecosystem. pollution are four types:—

- Soil pollution
- Air pollution
- Water pollution
- Noise pollution

Soil pollution is because throwing of plastics everywhere as they are doesn't decompose and make the soil polluted. And some industries are also evolving into the soil. Some chemicals are directly damages the soil. Soil is the main source for plantations. when the chemicals are accumulated it doesn't support the plants with sufficient vitamins and minerals. Up coming future generations will be weaker than the present generations.

Air pollution; industries are the main reasons for the Air pollution. Not all industries, some are directly contaminating the Air by releasing hazardous gases into the atmosphere. The Areas nearer to the industries are effected more than the far areas to industries. That gases are more injury to health. children are more effected by that gases.

Water pollution; when it comes to the matter of water pollution. There are many causes. All the wastes from household, factories, industries are illegally committed into the rivers and

Oceans. These are not filtered completely and purified. All water contaminations causes diseases like malaria, Dengue and other diseases.

Noise pollution is mainly at functions and marriages. Youth are actively participating and showing interest towards to it. Those sounds are damages the ear and damages the layer of year. Those sounds are major problems for hearing disorders.

To Overcome all these, Society should be responsible and Create healthy and eco-friendly atmosphere. Everyone as a citizen they should show interest and participate in the events like pollution days and all those. As pollution day is celebrated on December 2nd from 1984, Recently there is a Bhopal Tragedy was done by industry. There is a release of harmful gas. Thousands of human cost was died of that.

Eco-system and environment should be very clean and now-a-days people are using charger bikes and Cars. As these are some of the reasons for the pollution free atmosphere. Cracker causes both air and noise pollution. Government should pass some instruction to control all these sounds and pollution by the vehicles.

By using charger bikes, Cars and Cotton bags and using of natural resources like solar and some chemicals are the some reasons to make the society free from pollution. Government should be more responsible about all these pollutions.

"It's Our Responsibility To keep Our Society pollution free."

PROMOTING A CLEANER AND GREENER FUTURE

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Creating a cleaner, greener and bluer future necessitates a great approach in our next generation. The more perfect environment in our surrounding not only makes the world clean and also increases human's life span and the lifeline of every creature in our world. The awareness must come within the youth, those are the ones whom can be a great change and best future enthusiasts to create it.

Transitioning into the god's gift natural resources like solar, wind, hydraulic resources can deduce the carbon emissions and over consumption of fossil fuels. Reforestation and minimal land aid practices can improve the fresh and uncontaminated reversion can be avoided.

Industrialization of harmful components from industries can be minimal when there is some economical awareness among every human who were only thinking about present needs and trauma

to a greedy thoughts which stops to think about next generation.

The blue future comes when the pollutants and harmful resources vanishing makes the marine life better and establish a pure health to the creatures insides. The vehicles development as the creation electric vehicles and a insisted public transit systems can reduce our diminishing of our own lives.

This comes within the public awareness and media efforts commodity forts to the alignment of different schemes and regulations leads to perfect, better and healthy future life.

"Environmental Green comes with a Clean mind & better thoughts".

The responsibility is within our hands to give a clean and greener planet to our future brave generation to handle more effectively and generatively.

JAI HIND..!

"PROMOTING A CLEANER AND GREENER FUTURE."

C40

Introduction:

In this predecided biodiversity there is pollution everywhere, in place of hard fresh air and this generation is not getting chance to the feel "Echo in the forest" and the consicous efforts and the Freshnes from the diversity.

And the next few years they start to read the about the beauty of nature through the diversity. And there is a beautiful name to feel the nature listening by that single word "PRAKRUTHI".

So, We get together and be 'Us' and make the Real meaning for the work "PRAKRUTHI". let's make our thoughts together and take the beautiful little steps to "Feel the Rhythm".

There are few main things are there that are going to help us to make changes on diversity:

Body:

Renewable Energy:

For the cleaner and greener future first we are encouraging the fuels vehicles and we are welcoming the pollution to effect the diversity.

Reducing fuels or banning vehicles won't make any changes but start using the wind.

Energy, hydro energy become more effect and reduce the pollution.

Reducing or Recycling:

The main part From the other side is that plastic every where and the recycling non-related environmental things. we are encouraging plastic more and more in place of thinking about reducing and recycling

Conventional Biodiversity:

Try to make connections with the diversity and try to take responsibilities but ^{not} letting things go badly and encouraging deforestation.

Sustainable Agriculture:

Now a days what we know is that agriculture is to be pesticides and all these things but the most interesting and effective thing was making pesticides with cow dung and vegetable wastes, we are just missing all these things.

conclusion:
There are so many fighters put all these efforts to protect the nature and biodiversity to protect the greenery "we don't have any rights to spoil the greenery". And as a part of nature it is our responsibility to take charge and protect the environment and try to show the beautiful nature to the next generation.

And we are proud to say this and ^{Respectful} thanks to "Vangari Mathai" to give the chance to feel the diversity.

It is the time to act and take responsibilities to each other to promote a clean and green future. let us give the "taste of PRAKRUTHI" to next gen.

Promoting a Cleaner and Greener future :-

Introduction :-

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In the last 50 years everyone are commonly facing issue is pollution. Everything we use and eat are getting polluted. Due to more deforestation pollution is not getting controlled. The term 'pollution' is a manifestation of any unsolicited foreign substance.

We have different types of pollutions.

- Air pollution
- Water pollution
- Soil pollution
- Noise pollution

Effects of pollution :-

Mostly humans are getting affected with different types of diseases occurred due to pollution. Pollution is more in urban areas. Because most of the factories and industries are very close to cities. Due to the smoke released by factories and dust or smoke emitted by vehicles are too dangerous. Because of Air

Pollution diseases like Asthama, lungs infections are affected. And water pollution is also a major aspect the factories which releases contaminated water and toxic substances are polluting lakes, rivers and oceans.

Keep Green & Maintain Clean:-

One should keep our premises clean. Living hygiene and clean leads to a better life. All the waste we use should be decomposed in a eco-friendly way. Government has to put up some cleaning programs to spread awareness among people like Swachh Bharath. Everyone should get some knowledge on the harmful diseases which are caused by uncleanness. And another major objective is to make the earth more green. By planting more trees, decreasing the use of fertilizers and pesticides will really helps to prevent deforestation.

Conclusion:-

So, I can conclude that to build a better future we should keep clean and reduce cutting trees. And avoid pollution to lead a good beautiful life. //

"Encouraging a Clean and Green Future" D3

In the fact of growing environmental strategies, the call for a clean and green future has been more essential. As the world facing a climate crises. The effects of global warming are already being felt around the world, in the form of more extensive weather events, raising sea levels and mass extinctions. we have to take action to reduce the greenhouse gas emissions, for all consequence from being the catastrophic.

One side the pollution of the global gets raises continuous and this gets impact on our planet increasingly intensive. Climate change, pollution, Resource Depletion are being the stark reminders so we have to take immediate and concentrate on the planet and future generation.

By using some contributions we can easily promote a clean and green future.

Sustainable practices:

Embracing the sustainable practices is a way to promote a green future. To sustainable

that we need to transmit the renewable energy resources such as wind and solar energy to reduce dependence on fossil fuels. They are becoming increasingly accessible. By using this we can generate the power without greenhouse gases. In the forestry and agriculture also we use it to reduce by using the natural pesticides to make our planet safe and for our future generations.

Environmental Education:

Here the governments, businesses, people and NGOs have to take care about this. By using different schemes if we educate the people then they will know to save our ecosystem by using eco-friendly materials and not to use the non-biodegradable materials for making our ecosystem in a bright way.

Reducing wastage and Recycling:

In the source of that if we can able to use the waste less then somehow we can able to save our planet or we can use single-usage materials instead of this. Emphasising the waste material and control the usage of it. By the wastage, we use recycle process and generate the new things then it is also a way to being good to our biodiversity.

National of Habitation:

By habitation also we can encourage a clean and green future the ways are that the

leads to air pollution.

* So to avoid air pollution we have to reduce harmful industries.

Water pollution:

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Lack of chemical wastage from industries will come to water this is called water pollution.

* To avoid water pollution it is better to reduce plastic and the chemicals which are releasing into the water.

Soil pollution:

Harmful chemicals are injecting to the soil will lead to soil pollution.

To avoid soil pollution we should not use harmful chemicals.

Noise pollution:

Increasing noise in factories, industries leads to noise pollution.

To avoid noise pollution reduce the noisy factories.

Finally our "ecosystem" need to change to get a "clean and green future".

* Increase "Afforestation" Decrease Deforestation.

* Wipe-out the pollution Before it Wipes you*

* Use Reduce, Reuse, Recycle principle.

* Grow more trees

* Decrease the usage of plastic.

Finally Reduce the pollution before it makes harm to you.

"Plant More Trees And Save Our Future Generation"

By releasing so many industrial gases

P.Hema Pavani
206W1A0514



HAPPY DAYS

In student's vibrant embrace, dreams take flight,
A canvas blank, bathed in dawn's soft light.
Eager hearts, with passions fire aglow,
Forge paths anew, where aspirations grow.

Oh, fleeting time, swift as the river's course,
Student's dances free, with unbounded force.
In laughter's echo and adventurous spree,
Lays the tale of theirs, wild and free.

Through trials faced and lessons learned,
Their spirits unbroken, curiosity yearned.
With boundless hope and unwavering truth,
They paint life canvas, vibrant and uncouth.

Oh, youthful days a treasure rare,
Embrace the now, for time will fare.
May dreams unfurl, like petals in bloom,
In the boundless heart of student's bright room.

**Dr.Y.Rajasree Rao,
Principal**



Engineers Are Unsung Heroes of Global Health

By
Mohammed Ahsan Iqbal, AO



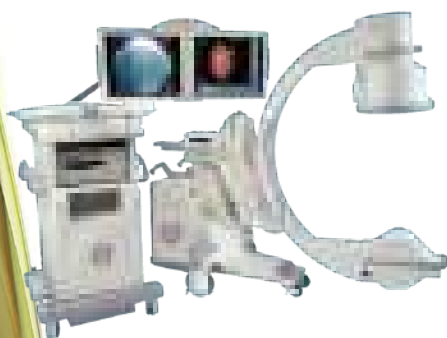
When you think of global health, who comes to your mind? I bet you thought of doctors, nurses, public health specialists, disease detectives and academic researchers. You probably did not think of engineers. That is because they generally stay out of the limelight, but silently keep things powered and running in the background - from water and sanitation systems in the community, to ventilators and biomedical devices in hospitals.

Global health engineering may not always capture the spotlight, but it saves lives. Take the Covid-19 pandemic as an example. During this crisis, engineers have made huge contributions by delivering oxygen, oxygen concentrators, pulse oximeters, ventilators, rapid tests, high-filtration masks, air purifiers, vaccine cold chains, logistics, supply chain management, mobile apps, data dashboards, among others. In some places, engineers have built Covid-19 field hospitals within days. But we rarely see them on national television.

Anoop Jain, an environmental Engineer, emphasized the problem-solving ability that is inherent in engineering. "Engineers are trained to solve complex problems, and global health is a series of complex problems," he said.

Engineers Role in the Health Care Industry

Engineers play a crucial role in the healthcare industry in the Artificial Intelligence (AI) era. Their involvement spans a wide range of areas, and they contribute to improving patient care, enhancing efficiency, and advancing medical research. Here are some key ways engineers are involved in healthcare in the AI era:



Engineers develop AI algorithms for image analysis, including CT scans, MRIs, and X-rays. These algorithms can assist in early disease detection, tumor identification, and organ

segmentation, leading to faster and more accurate diagnoses.

Telemedicine

Engineers design and maintain the technology Infrastructure that enables telemedicine platforms. They also develop remote monitoring devices and wearable technologies that transmit vital patient data to healthcare providers in real-time.



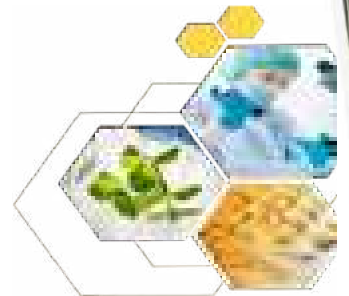
Electronic Health Records (EHRs)

Engineers work on EHR systems to ensure they are secure, interoperable, and user-friendly. They also develop AI-powered tools for data analytics and predictive modeling, which can help in better patient management and outcomes.



Drug Discovery

AI and machine learning are used in drug discovery to analyze large datasets and predict potential drug candidates. Engineers develop computational models and algorithms to accelerate the drug development process.



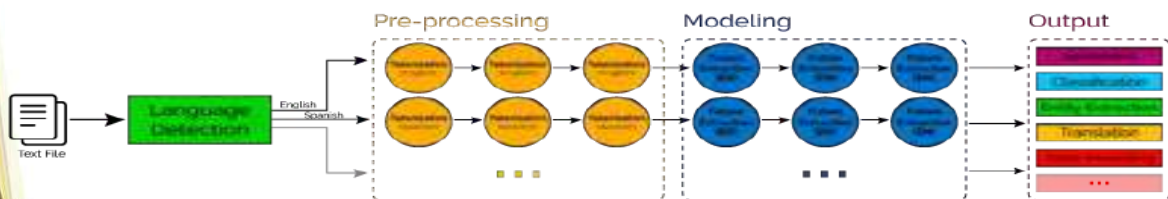
Healthcare Robotics

Engineers design and build robots that assist with surgery, patient care, and logistics within healthcare facilities. These robots can perform tasks with precision and reduce the risk of human error.

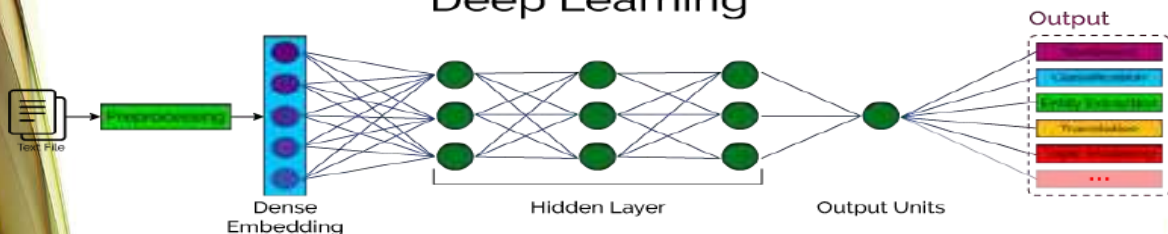


Natural Language Processing (NLP)

Classical NLP



Deep Learning



NLP engineers develop AI systems capable of extracting valuable information from unstructured healthcare data, such as clinical notes and research papers. This aids in medical research, decision support, and improving patient care.

Healthcare IoT



Engineers create and maintain IoT devices for healthcare applications, such as smart medical devices, wearable health trackers, and remote patient monitoring systems. These devices collect and transmit data for analysis and treatment.

Quality Control and Assurance

Engineers develop AI-driven quality control systems to ensure the safety and effectiveness of medical devices and pharmaceuticals, helping healthcare providers deliver high-quality care.



Ethical AI



Engineers work on ensuring that AI systems used in healthcare adhere to ethical guidelines and regulatory standards. They address issues related to bias, fairness, and transparency in AI algorithms.

Regulatory Compliance

Engineers collaborate with healthcare professionals to ensure that AI applications meet regulatory requirements, including those set by agencies like the FDA (Food and Drug Administration).



Engineers in healthcare need to have a deep understanding of both technology and healthcare practices to bridge the gap between these two domains successfully. Their contributions are instrumental in improving patient outcomes, reducing costs, and advancing medical research in the AI era.



TRY, TRY TILL YOU SUCCEED

By
Dr.Y.Rajasree Rao, Principal



Sunday morning, the house was bustling with fervent cleaning activity. I had armed myself with a vacuum cleaner and the maid was attacking the cobwebs with a long broom. Curious to know the reason behind the Swachata Abhiyan, she asked me, "Amma, why are we doing all this dusting, scouring, and scrubbing? Diwali is still a few months away. Are we welcome Ganpati Baba this year?" Sai, my son babbled excitedly, "Priya Didi is in India. She will be coming here during Ganpati's vacation". Priya Didi is a clean freak. She could spot dirt from the most unusual places during her last visit. My maid recalled several instances when she had to mop the entire room when her son accidentally dumped something on the floor. "Nevaan must have grown up now. He will love the pompous Ganpati celebrations in Hyderabad."

After Priya arrived with her family, we did the darshan of Lord Ganesh at our society and nearby localities. All of us actively participated in the cultural events. The next day, we visited the iconic pandals in the city. A perplexed Nevaan would keep asking, "Why is Lord Ganesh being referred to as Raja." We showed him the Himayath Sagar lake where the arrangements were being carried out in full swing for Ganesh Visarjan when devotees bid farewell to their beloved Lord by immersing in the sea.

After partaking of the prasada, we all had a desperate craving for something hot and spicy. We went to a small shop selling fresh homemade snacks. We all devoured delicious dhoklas and samosas. While Priya was buying pickles and khakhra, I took a quick look at the shop. On one of the walls, a framed photograph of an old lady with our Honorable President caught my eye. There was something dazzling about the toothless smile of the old lady. Just then, the lady emerged from inside and found me gazing at her photograph. After we exchanged greetings, she told me about her story. Her life journey from tragedy to triumph is worth sharing. Urmila got married at the age of fifteen and became the mother of four children by twenty five and grandmother by forty five. When her husband lost his job in 1980, she rose to the occasion and started cooking for Gujarati families. Her excellent cooking skills won

her adulation from the NRI community, and she travelled with them to several countries.

But her life had been full of tragedies. She had lost her husband and all four children by the age of sixty-seven. Her grandson Harsh and daughter-in-law remained her only family. She held the small family together and kept them motivated. Tragedy struck the family once again. Harsh met with an accident in which he lost his upper lip. Conscious of his appearance, he started staying indoors. This personal crisis was followed by a worldwide lockdown due to COVID-19. 75-year-old Urmila became the pillar of strength for Harsh and helped him rebuild his life.

Seeing his grandma make pickles, Harsh conceived the idea of putting his grandmother culinary skills to use. He drafted a text message and circulated it among friends, family members, and social media. Within 25 days, they had sold 450 kg of pickle. This successful venture encouraged them to start a snack business – selling fresh homemade classic Gujarati snacks. As the demand increased, they faced a shortage of manpower and space. Local women who were rendered unemployed due to the pandemic rendered their services. The shortage of space was solved when one of Harsh's friends agreed to sublet his apartment. Urmila's hard work paid off, and in just one year, their revenue crossed 45 lakhs.

A diabetic patient who has survived two heart attacks, 78-year-old Urmila continues to inspire others by working for 12-14 hours every day in the kitchen. Nowadays, Harsh uploads Urmila's videos on YouTube where she enjoys sharing her healthy recipes with the youngsters. Their channel had more than 3 million subscribers in one year. Enthusiastic grandma also participated in the popular TV show, "MasterChef India" and made it to the top 16. Her cheerful, upbeat personality was an incredible source of inspiration, and she was honoured by the President of India.

In her talk at AIIMS, Delhi, she addressed the doctors, "[Age is just a number when it comes to your willingness to do things. I consider myself fortunate enough to have had healthy food during my young age and that is the secret of my energy.](#)"

Her mantra, “**Gir, Uth Par Ruk Mat** ” meaning *tumble, get up but do not stop* is truly an inspiration for today’s youth. At 78, grandma is a true example that age is just a number. She travels to different places and motivates people to never give up in life.

A BIG SALUTE to her undying spirit.



TIME MANAGEMENT SKILLS AND TECHNIQUES FOR STUDENTS

Mr.D D D SURIBABU

Vice Principal

Effective time management is all about achieving the right balance between your homework, university/college life, and your free time. As a student, organizing your days will eliminate stress and ensure that you are productive. The general time management tips for students, such as sleeping well, scheduling, and prioritizing, are some important tips that can help students in the long run. A more strategic approach is required to optimize the time a student has in a day.

Why is Time Management Important for Students?

Time management for students (and everyone else) is about making your day purposeful. It is about taking control of the time you have and optimizing it for focus, productivity and above all, balance. Before we list out the time management tips for students, it is crucial for students to understand why time management is important.

All of us should make the most of the limited amount of time we have in a day. It is very easy to get wrapped up in a flurry of various activities and accomplish less. Managing time effectively enables students to become more confident, and organized, and learn more efficiently. Effective time management skills are particularly essential for Engineering College students, as they have to deal with more subjects, tests, assignments, and extra curricular activities. Time management techniques can help the students be on track and cope with the stress of added responsibilities.

Following are a few more reasons why time management is important for students:

Enables You to Accomplish Your Goals Faster

Appropriate time management makes one more effective and encourages you to give your best to what you are doing and what you can, thus [helping you achieve your goals](#) much faster.

Enables You to Prioritize Your Work

When creating a timetable, you prioritize and arrange essential tasks that need immediate attention. For example, students have to complete assignments before attending a session. A student can fit in time to work on the assignments before attending a study group with correct time management.

Enables You to Get More Done in Less Time

Dedicating a specified amount of time to a particular task helps you focus on it. Instead of working on a given task with no predefined time assigned, you can

complete the same task by sticking to a time plan. Without a time plan, you might completely forget to finish a task.

Reduces Stress Levels

Time management Skills can help you prioritize the time required for essential tasks; prioritizing tasks and having enough time to accomplish those tasks means reduced stress levels.

Helps You Become More Efficient

Effective time management helps you to be more focused at college/university, thus increasing your efficiency and enabling you to accomplish more within less time.

So, how can students learn to manage time more effectively? We have collated a list of the best time management tips for students to beat procrastination, stay focused, and be more productive.

10 Time Management Skills and Techniques for Students

Efficient time management is one of the primary keys to success, and thus, it is worth learning. Following are [time management strategies](#) for students to help them manage their time in the best possible manner.

1. Make Use of a Daily Schedule Template to Plan Your Day

Seminars, classes, and workshops may take up a chunk of your day, but how one schedules their own time makes all the difference. It is essential to master your schedule.

A daily schedule template helps you manage and control your time each day. It will enable you to stay organized and focus on what matters most and even help you overcome procrastination. The method that most successful people from Elon Musk to Bill Gates use is “time blocking”. Time blocking is creating a template for how you intend to spend every minute of your day. Students should therefore follow this method to manage their time more fruitfully.

2. Understand How You are Currently Spending Your Time (And Where You Are Losing It)

Your schedule will offer you an ideal version of your day, but you need to analyze how you spend your time to develop better time management habits. Without understanding how you are spending your time each day, it is impossible to build better time management strategies for students to stay focused.

3. Set Proper Goals to Measure Your Progress

Goals are an excellent way to get you motivated to do school work. However, the problem is that goals are just the result, with you not knowing how to achieve them. So, focus on what needs to be done to achieve that goal by focusing on constant progress and developing better habits. For example, if you need to write a 5,000-word essay in a month, set a daily goal of writing 500 words. If you continue this, you can complete your essay in a week.

4. Break Large Projects Into Smaller, Actionable Tasks

A part of proper [goal-setting](#) is to segregate large goals from smaller daily tasks. Doing this will help you stay focused and stop you from procrastinating. It is easy to procrastinate when a project feels like a huge task. However, taking that first step is all you need to build momentum.

5. Be Realistic About the Time You Need to Complete a Task

Once you begin to schedule your tasks for the day, you may get overly optimistic about how much you can achieve. Psychologists also have a name for this – The Planning Fallacy. One of the most effective time management tips for students is to counter the planning fallacy. Students should add a buffer to their schedule depending on how familiar they are with the task. If it is something that has been done before, then 1-1.5X time must be allocated to the time they think it may take to complete the project.

6. Pay Attention to Your Body's Natural Energy Highs and Lows

We all have moments in the day when we are more energetic and alert. And if you want to exploit the time you have each day to its maximum, you cannot fight against your body's natural state. What does this mean in terms of [time management tips for students](#)? Simply put, students should do their most essential work when they feel most energetic. This means scheduling intense projects during energy highs and scheduling passive activities when the body is at its natural low.

7. Take Breaks at the Right Time

Take more breaks to manage your productivity over time. But when exactly is the right time to take a break? Sleep researcher Nathaniel Kleitman states, "our minds naturally crave breaks after every 90 minutes of intense work. Even if you do not have a timer going, your body will let you know that you need a break by turning sleepy, fidgeting, hungry, or losing focus". When you begin to feel this way, you know it is time to take a break.

8. Remove Distractions

Between social media, cell phones, and friends, there are so many activities that can distract students from their school work. When it is time to get down to doing school work, students need to turn off their cell phones and sign out of social media accounts. Any amount of time that is devoted to school work must be television and cell phone free!

9. Avoid Multitasking

It may be tempting for students to feel that they can multitask when their schedule is jam-packed. But the more one tries to do it at once, the longer each thing takes. Instead, studies have found that deeply focusing on one task at a time can be around 500% more productive.

10. Build Better Routines and Habits for Long-Term Success

We are what we repetitively do. One of the best time management strategies for students and everyone else is to develop routines and habits that endorse the kind of actions you would like to do more of, for example, following a morning routine that concentrates on getting an early win and prepping yourself for a productive day. Or, ensure your evening routine preps you for an effective next day by setting your goals and schedules the night before.

General Time-Management Tools

Time management is critical to your success. You may achieve any goal you set your mind to by using an excellent time planner and master list. These are common [time management tools](#) and practices that you should employ to maximize productivity and personal organization. Each of these takes some effort to learn and perfect, but they will pay you back in increased efficiency and effectiveness for the rest of your life.

Prioritization

The 80/20 rule was developed by the Italian economist Vilfredo Pareto. It's believed that 20% of activities are accountable for 80% of results. The purpose of Pareto analysis is to assist you in prioritizing tasks that are most successful at issue resolution. List some of the difficulties you are experiencing. Determine the fundamental source of each issue. Assign a score to each problem and arrange them by cause. Add the scores from each group: The topic should be addressed first in the group with the highest score. Take some action.

Scheduling

Scheduling is the art of preparing your activities so that you may accomplish your goals and prioritize your priorities in the time you have available. When done correctly, it can assist you in realizing what you can do with your time. Ensure you leave adequate time for import duties and only take on what you can do.

Goal Setting

[Smart goals](#) enable people to plan and attain their objectives in a reasonable amount of time. It can also aid in improving time management in professional contexts such as school and the workplace. Smart goal planning may give direction for your aims and help you build practical measures to attain those goals if you want to manage your time wisely.

Concentration and Focus

Distractions are a major impediment to personal time management. Close the door to avoid as many distractions as possible. Only pay attention to what you're doing right now. In terms of significance, describe your top two distractions over the next two weeks. Remember that staying focused during the day necessitates proper sleep habits and enough fluids.

Conclusion

Time management for students is highly intimidating, especially when you have multiple things on your to-do list. It is one of the most challenging tasks for students as they are expected to fare well and produce good results while handling the pressures of school assignments, homework, projects, and maintaining a social life. However, with our list of time management tips for students, we are confident that students will be able to come up with an arrangement to ensure that every day is as productive as possible. As you know, there is never an end to learning. To make your day more effective, you can always follow these techniques as a student to boost your career.



SELF CARE

By
Dr.Y.Rajasree Rao, Principal



“Self-care is often a very unbeautiful thing. It is not luxury but a necessity”

It is making a spreadsheet of your debt and enforcing a morning routine and cooking yourself healthy meals and no longer just running from your problems and calling the distraction a solution.

A world in which self-care has to be such a trendy topic is a world that is sick. Self-care should not be something we resort to because we are so absolutely exhausted that we need some reprieve from our own relentless internal pressure.

True self-care is not salt baths and chocolate cake, it is making the choice to build a life you don't need to regularly escape from and that often takes doing the thing you least want to do.

It often means looking your failures and disappointments square in the eye and re-strategizing. It is not satiating your immediate desires. It is letting go. It is choosing new. It is disappointing some people. It is making sacrifices for others. It is living a way that other people won't, so maybe you can live in a way that other people can't.

It is letting yourself be normal and unexceptional. It is deciding how much of your anxiety comes from not actualizing your latent potential, and how much comes from the way you were being trained to think before you even knew what was happening. If you find yourself having to regularly indulge in consumer self-care, it's because you are disconnected from actual self-care, which has very little to do with “treating yourself” and a whole lot do with parenting yourself and making choices for your long-term wellness.

It is no longer using your hectic and unreasonable life as justification for self-sabotage in the form of liquor and procrastination. It is learning how to stop trying to “fix yourself” and start trying to take care of yourself... and maybe finding that taking

care lovingly attends to a lot of the problems you were trying to fix in the first place.

It means being the hero of your life, not the victim. It means rewiring what you have until your everyday life isn't something you need therapy to recover from. It is no longer choosing a life that looks good over a life that feels good. It is giving the hell up on some goals so you can care about others. It is being honest even if that means you aren't universally liked. It is meeting your own needs so you aren't anxious and dependent on other people.

It is becoming the person you know you want and are meant to be. Someone who knows that salt baths and chocolate cake are ways to enjoy life – not escape from it.

Self-care is more than just a trend; it's a vital practice for maintaining overall well-being. It involves prioritizing your mental, emotional, and physical health by dedicating time to activities that recharge and rejuvenate you. Whether it's through meditation, exercise, hobbies, or simply taking time for yourself, self-care is about nurturing yourself to be your best in all aspects of life.

Certainly! Self-care is a holistic practice that encompasses various activities, routines, and habits designed to promote physical, mental, and emotional well-being. In today's fast-paced world, the concept of self-care has gained significant attention as people recognize its importance in maintaining a balanced and fulfilling life.

At its core, self-care is about acknowledging and meeting your own needs, which often get neglected amidst the demands of daily life. It involves nurturing yourself on multiple levels—physically, emotionally, socially, and spiritually. This can include establishing healthy habits such as regular exercise, nutritious eating, proper sleep, and mindfulness practices like meditation or yoga.

Moreover, self-care extends beyond these fundamental practices. It's also about setting boundaries, saying no when needed, and prioritizing your mental health by engaging in activities that bring joy and relaxation. Whether it's indulging in a favourite hobby, spending time in nature, or simply taking a break from technology, these moments of self-indulgence are crucial for recharging one's batteries.

Embracing self-care isn't selfish; it's a necessity. It allows individuals to better cope with stress, reduces the risk of burnout, and enhances overall productivity and happiness. When people prioritize self-care, they're better equipped to handle life's challenges and maintain healthier relationships with themselves and others.

However, practicing self-care isn't always easy. In a culture that often glorifies busyness and constant productivity, taking time for oneself might feel indulgent or even selfish. But in reality, it's an investment in one's long-term well-being.

In conclusion, self-care isn't a luxury; it's a fundamental aspect of leading a fulfilling life. It involves deliberate actions and choices that prioritize personal health and happiness. By incorporating self-care practices into daily life, individuals can nurture themselves and create a solid foundation for a healthier and more balanced existence.



ISTS SONG

By

Mohammed Ahsan Iqbal

Administrative Officer



ISTS song

In the halls of wisdom, where knowledge takes flight,
International School of Tech and Sciences, shining bright.
A haven for women, breaking barriers with might,
Empowered minds, reaching for the highest height.

Oh, ISTS, where dreams take flight,
In the realm of knowledge, we're the guiding light.
Tech and sciences, our passion and our might,
For women who aspire, reaching for the infinite.

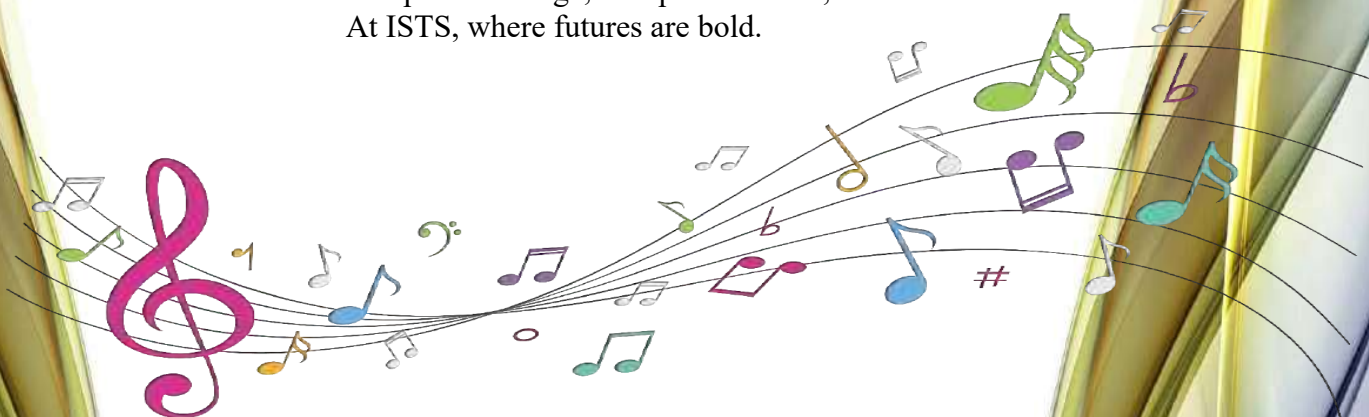
In the classrooms buzzing with intellect,
Coding languages and circuits connect.
Science experiments, a journey dissect,
At ISTS, where brilliance reflects.

We stand united, diverse and strong,
In the world of tech, where we belong.
Igniting innovation, a harmonious song,
For every woman, the journey is lifelong.

Oh, ISTS, where dreams take flight,
In the realm of knowledge, we're the guiding light.
Tech and sciences, our passion and our might,
For women who aspire, reaching for the infinite.

From algorithms to stars that align,
ISTS, a beacon, a sign.
Breaking through boundaries, we redefine,
A sisterhood of brilliance, where stars entwine.

In the library of wisdom, stories unfold,
Research and discovery, a legacy to be told.
Leadership and courage, the spirit we hold,
At ISTS, where futures are bold.



We stand united, diverse and strong,
In the world of tech, where we belong.
Igniting innovation, a harmonious song,
For every woman, the journey is lifelong.

Oh, ISTS, where dreams take flight,
In the realm of knowledge, we're the guiding light.
Tech and sciences, our passion and our might,
For women who aspire, reaching for the infinite.

So, here's to ISTS, four years gone by,
A celebration of learning, reaching the sky.
With each passing day, we continue to fly,
For the women of tech, forever high

BY
Mohammed Ahsan Iqbal
Administrative Officer





DIGITAL LANDSCAPE

"The world of influencers"

*By
ANVS Prasad*



"Digital Landscape"

"The world of influencers"

YouTube was officially launched in India on December 15, 2006. However, it only became popular in the country in the late 2000s. YouTube launched its localized version in India in 2008. YouTube is YouTube's biggest and fastest-growing audience. The platform has become an important source of news for Indians. YouTube was established on February 14, 2005, by three former PayPal employees: Chad Hurley, Steve Chen, and Jawed Karim. The first video, "Me at the zoo", was uploaded on April 23, 2005 by Jawed Karim. As of October 1, 2023, the video has been viewed over 287 million times. Being a YouTuber can be a lucrative and gratifying career. YouTube has a large audience and user-friendly. Features, making it a popular platform for content creators

A YouTuber is a type of social media influencer who uploads or creates videos on the online video-sharing website YouTube, typically posting to their personal YouTube channel. The term was first used in the English language in 2006, and subsequently appeared in the 2006 Time Person of the Year issue. Asoka007 was the first Indian YouTuber or oldest Indian YouTube Channel. He was created this channel Oct 16 2005. This channel he uploaded only 7 videos. This channel has now 6k+ subscribers.

Growth rate of Youtuber in India from last 10 years In 2014, YouTube in India had only 16 content creators with 10 lakh subscribers. In less than a decade, that number has grown exponentially to reveal an average of 2 content creators who cross 10 lakh subscribers and more than 2,500 content creators who cross the 1,000 subscriber milestone every day.

In India, the average salary for a social media influencer is ₹24, 691 per month. The average income for an Indian YouTube content creator is ₹4, 17,759 per year.

Here's how much Instagram influencers earn based on the number of followers they have:

- .Micro-influencers: 1,000–10,000 followers, average monthly income of ₹1.17 lakhs
- .Macro-influencers: 50,000–500,000 followers, can charge ₹14,843–₹49,725 per post
- .Mega-influencers: More than one million followers, average monthly income of ₹12 lakhs



Growth rate of followers of YouTube in India from last 10 years

YouTube user growth has been tremendously in the last decade, with 1.9 billion new users added to the platform. At 2023, YouTube users in India are estimated to reach 826.44 million.

Top YouTube's In India 2023

Here is the list of the top You Tubers, in India for 2023. These content creators have amassed a large subscriber base and achieved immense success on the platform. They cover various genres such as gaming, comedy, tech, and motivation, captivating audiences with their engaging videos and unique perspectives.

Rank	Top You Tubers	Subscribers	Content Type	Monthly Income
1	Carry Minati	38.3 million	Roasting, Comedy	25 Lakhs
2	Total Gaming	34.7 million	Gaming	7 to 8 Lakhs
3	Techno Gamerz	32.6 million	Gaming	15+ Lakhs
4	Mr. Indian Hacker	30.5 million	Life Hacks, Experiments	15 to 20 Lakhs
5	Round2hell	29.6 million	Comedy Skits	10 to 20 Lakhs
6	Ashish Chanchlani	29.5 million	Comedy Skits, Vlogs	25+ Lakhs
7	Sandeep Maheshwari	27.4 million	Motivational Speaking	30+ Lakhs
8	BB Ki Vines	26.1 million	Comedy, Entertainment	20 to 25 Lakhs
9	Amit Bhadana	24.4 million	Comedy, Entertainment	25 to 30 Lakhs
10	Technical Guruji	22.9 million	Technology Reviews	45 to 50 Lakhs

THE RISING MOTHER

By

Mrs.Ch.Anusha, Asst. Professor,Dept of CSE



A Multifaceted Journey in Student Life, Motherhood, Employment, and Social Responsibility.

Women empowerment is a multifaceted concept that extends beyond individual achievements, encompassing diverse roles such as that of a student, mother, employee, and a socially responsible citizen. As women navigate through various stages of life, they encounter unique challenges and opportunities that shape their understanding of empowerment and their contributions to society. Examining these roles illuminates the complex tapestry of women's empowerment and underscores the significance of fostering an inclusive and supportive environment.

Empowerment as a Student:

In the realm of education, women empowerment begins with the cultivation of a supportive learning environment that encourages academic pursuits and personal development. It entails fostering an inclusive space where young women can challenge societal norms, pursue their passions, and cultivate their talents without constraints. Empowerment as a student involves advocating for equal opportunities, dismantling gender stereotypes, and promoting access to education for all, regardless of gender.

Empowerment as a Mother:

The journey of motherhood represents a significant aspect of women's empowerment, encapsulating resilience, nurturing, and the imparting of values to future generations. Empowering mothers involves acknowledging their multifaceted roles, providing them with comprehensive support systems, and enabling them to strike a balance between family responsibilities and personal aspirations. By recognizing and respecting the diverse choices made by mothers, societies can foster an environment that facilitates their holistic development and well-being.

Empowerment as an Employee:

In the professional sphere, women's empowerment encompasses equitable employment opportunities, the elimination of workplace biases, and the promotion of inclusive leadership. Creating a conducive work environment that values diversity, provides equal pay, and offers avenues for career advancement is crucial for fostering women's empowerment. By advocating for inclusive policies and promoting a culture of respect and support, organizations can harness the full potential of their female workforce, fostering innovation and driving sustainable growth.

Empowerment as a Social Responsibility:

The concept of women's empowerment extends beyond individual experiences, emphasizing the collective responsibility to advocate for gender equality and inclusivity in broader societal contexts. Socially responsible empowerment involves championing women's rights, addressing systemic barriers, and amplifying the voices of marginalized communities. It necessitates fostering collaborations, implementing policy changes, and driving societal transformations that prioritize gender equity and social justice, thereby creating a more inclusive and progressive world for all.

Conclusion:

Women's empowerment, spanning the realms of education, motherhood, employment, and social responsibility, is a dynamic process that requires collaborative efforts and a comprehensive understanding of the multifaceted challenges faced by women. By nurturing an environment that fosters inclusivity, equity, and respect, societies can empower women to realize their full potential, contribute meaningfully to various spheres of life, and shape a more equitable and progressive future for generations to come.



UNSPOKEN SOCIAL EVIL

By

Mrs.Ch.Prasanthi, Asst. Professor,Dept of MCA



The most undisguised, the most known, the most concerned topic of our lives for both men and women. "Beauty" the word itself carries a lot of emotional breakdowns. Don't read it again you have heard me right emotional breakdowns how?

From the day you are born not even a single minute is wasted in judging your skin tone fair or dark. We all swing, crush ourselves between these 2 words.

Your beauty journey doesn't stop at your so called skin tone it runs around your shape, size and features, which pulls you towards depression, kills your confidence.

Even though we are well educated, we never shut our mouths or our hands in judging or poking the others. From our family to someone who you doesn't know his root at all they go on judging you as if they are the world's perfect sculptures created by God.

You worship Lord Krishna who is actually black, you worship Durga and praise about Nari Shakti who is actually black, you will wait for Ganesh utsav to celebrate the festival of happiness who is actually dusting your stupid minds that physical appearance doesn't matter, what matters is your soul.

You call a foodie Motti, a black skinned tone Kali , a thin one Skelton...the list never stops you dig on new names , new tags crushing their confidence pushing them in the darkness , forcing them to be the one who actually is not them.

Instead of sowing the seeds of confidence and strength you are filling them with insecurity, you are making them feel guilty of their own existence, you are pushing them to be the one who they don't want to be.

We may share the reels, click like on posts on beauty is all about your qualities not your physical appearance but the moment you step into reality you will reject the person for marriage who is dark skin , you will crack jokes on person who is little thin or too fat.

You will never stop giving suggestions to them on their physical appearance as if we are perfect in everything

Do we even realize how much effect of our words are shown on their minds. If you conduct a research the most depression cases and panic attacks are suffered by the people who are bullied for their physical appearance.

The God who has created us doesn't have any problem then who the hell are we to judge them, who the hell are we to ruin their life's. We keep on target them from their different phases of life creating at least a big bad memory which haunts them like a ghost.

If they are dark praise them you are like the strongest Kali maatha who never bent her head in front of the hurdles instead of filling their ears about how to become fair in 30 days, which creams, which parlour.

Push them to find their strengths, to find their identity instead of pushing them in the hell of so called perfect figure, perfect skin tone.

If they are fat or thin, stop forcing them starve or eat more. Advise them to be healthy that's it nothing more than that. Stop making their life hell with your stupid so-called diets which make them run around hospitals.

If a baby is born, feel happier rather than looking at them with your judgmental eyes.
If you are searching for love, see their heart not their beauty standards
If you are searching for your friend, see their loyalty not their appearance
If you are searching for a colleague or employee, use their standards in education not in their beauty.

If you are ready to poke someone, see their future which you are ruining it with your nonsense words. Nobody is perfect stop creating perfect examples because everything has its own beauty.

Even the God or culture we follow every day is not perfect it has its own pros and cons. You may reach many heights, may achieve what you have dreamed but don't forget your one satires or stupid jokes have crushed some one's dreams, have wiped some one's confidence.

If you have seen any elders or your friends judging or poking someone speak for them stand for them if you didn't, then you are also a partner in crime.

Last but not the least Beauty is not about your skin tone, physical appearance, it's about your pure soul which stand for your family in need, which stands for your friends when they need you, which supports your partner when they need you.

Be confident with your eyes which shine with caring, confidence not with mascara or kajal

Be confident with your smile which is pure and filled with love don't cover it with the color of jealousy or arrogance.

Be confident with your skin which always shine in purity not to cover with the color which stands for a few seconds

Your qualities don't wash off with some water the way it wipes our makeups
Get ready not with the fear of hurting your so called features which are not liked by others.

Get ready for yourself which makes you happy, not others

Try to love yourself and others too... respect yourself and others. Accept the way you are and believe you are the most beautiful person in this world and you have a beautiful soul.



Contract Company

By

Mrs.G.Sreelakshmi, Asst. Professor,Dept of CSE

As used in this Agreement, the term "Company" shall include any of its or their present and future divisions, operating companies, subsidiaries and affiliates.

List of Top 10 Job Consultants in India 2023

- Randstad. ...
- Manpower Job Placement Consultants. ...
- Team Lease. ...
- United HR Solutions. ...
- Brain Behind Brand. ...
- Green Thumbs. ...
- Lavya Associates. ...

Permanent Company

A permanent job is one that is expected to last as long as the employee wants it, given that business conditions permit. There is no pre-determined termination date.

List of Top 10 Indian Companies by Highest Revenue

Here is a list of the top Indian companies by revenue:

1. Reliance Industries Limited
2. Indian Oil Corporation Limited
3. Tata Motors Limited
4. State Bank of India
5. Bharat Petroleum Corporation Limited
6. Hindustan Petroleum Corporation Limited
7. Oil and Natural Gas Corporation Limited
8. Tata Consultancy Services Limited
9. Infosys Limited
10. Larsen & Toubro Limited

Difference between Contract and Permanent

Permanent employees are typically eligible for benefits, such as health insurance and paid time off. Since contractual employees aren't company employees, they aren't eligible to receive benefits. These self-employed individuals are responsible for obtaining their insurance and coordinating retirement savings

Software Technologies

Software technology is about building and using systems for productive and leisure activities, and understanding the principles that underlie such systems. It focuses on algorithms, data structures and the principles of engineering-quality software. List of Software Technologies

App Development

Android

Java

Kotlin

iOS

Objective C

Swift

Cross Platform

React Native

Flutter

Ionic

Cordova

Cloud Service Technologies

- Programming Languages (Frameworks in parenthesis)
 - JavaScript (Express)
 - Ruby (Rails, Sinatra)
 - Java (Play Framework)
 - PHP (Larvel)
 - Python (Django, Flask)
 - Scala <- Most java developers seem to be moving to this
 - Elixir (Phoenix) <- Most Ruby devs seem to be moving to this

Database Tech

- Relational Databases
 - MySQL
 - Postgres
 - SQLite
- NoSQL
 - Mongo
 - Cassandra
- Key-value stores
 - Redis
- Graph Databases (Emerging)
 - Neo4J

Front End Frameworks

- ReactJS
- VueJS
- Web Components
- AngularJS

Cloud Service Providers

- Amazon (AWS)
- Google (Google Cloud Platform, Firebase)
 - Microsoft (Azure)



Mathematics is Everywhere!

By

Dr.B.Srinivas, Professor,Dept of H & BS

Mathematics has been around us from the beginning of the time and it enters into our lives as soon as we enter in this world, for instance, we get our date of birth first and also get a mandatory Aadhaar Card with a number having a dozen digits. Since our birth, we have lived surrounded by numbers and wherever there are numbers, there is Mathematics and numbers are everywhere, Mathematics is also everywhere. To support it, let's recall Galileo Galilei's quote that "Mathematics is the language in which God has written the universe."

The planets go around the sun in a precise orbit and sun goes around the universe in a precise orbit. Days become nights and nights becomes days in a precise order of time. Is Mathematics being used only by people who have eyesight? No, of course not.

Let me share with you my own experience, during my college days my chess captain who was visually impaired used to identify chess pieces by touching and distinguishing them geometrically within seconds. In fact, chess game involves Mathematics at every move of its pieces and chessboard is an 8×8 matrix with 64 squares. Chess originated in India in the 6th century by none other than Mathematician Sessa who gave the very famous series problem to Mathematically unaware king "The wheat and chessboard problem" which states that If a chessboard is to have wheat placed upon each square such that one grain is placed on the first A1 square, double on the second square A2, four on the third square A3 and all the way to 2^{63} on last square H8 .How many grains of wheat would there be on the chessboard at the end? In fact, no sports can be imagined or played without the help of Mathematics. Coming back to especially abled, did you ever think about how we communicate with our deaf friends, yes with the orientation of fingers which is not possible without the help of Mathematics.

Therefore Mathematics plays a vital role in communication for deaf people as their language. Also, if you notice, an ordinary person walks keeping the Cartesian coordinate into the mind as he can see and knows the exact location but on the other

side a specially-abled who cannot see walks keeping Polar Coordinate in the mind where he always keeps direction and distance in his mind at every step with his hand stick. It is Mathematics only which gives a sense of comparing or sense to distinguish and it is not only in human being, but it can be noticed even among animals, for example suppose in a forest an animal has five children and suddenly one of them is missing, then do not you think the mother will start searching for the child? Does it mean the mother knows counting? No, of course not but certainly she has the sense to distinguish. Animals also have the sense of distance and numbers, suppose in a forest there is a lion and a bunch of deer, then lion may not hunt deer but if there is only a deer, then lion must run towards deer so understanding Mathematics is the difference between life and death! Similarly, if you ever closely look at a sequence of ants, they walk in perfect harmony with equidistant. So if animals were to have any language then it would be Mathematics only! Mathematicians do amazing things. They discover hidden beauty in the natural world. Mathematics can also be seen in nature, we like flowers so much and Mathematics can be seen around them as we know through polar transformation the number of petals. In Mathematics Fibonacci sequence is one of the most famous and useful sequences of integers. Fibonacci Spiral is the spiral when in polar coordinate both angle and radial distance vary simultaneously. Now question worth asking is do we find Fibonacci Spiral in nature, yes in the sunflower, the display of its florets is always in a perfect spiral of 55, 34 and 21. The fruit lips of the pineapple make the same.



Micro-structural, Electrical and Electrochemical Properties of $\text{Li}_4\text{T}_5\text{O}_{12}$ Anode Material for Lithium-ion Batteries

By
Mr. NSSN Murthy, HOD., Dept of H & BS



Lithium titanate ($\text{Li}_4\text{T}_5\text{O}_{12}$, LTO) has been suggested as a new anode material for lithium ion batteries because of its stable operating voltage 1.55V. The structural, electrical and electrochemical measurements of the anode material prepared by conventional solid state reaction method are determined from TG/DSC, XRD, FTIR, FESEM with EDX, CIS and charge/discharge studies. The structure of the material belonging to a cubic spinel group with a $\text{Fd-}3\text{m}$ space group with no traces of impurities as revealed from the pattern of X-ray diffraction. The morphological features of the phase and distribution of the size of the particles are in the range of 0.9 to 1 μm as reflected from scanning electron microscopy (SEM). The FTIR spectra built of TiO_6 octahedra and LiO_6 tetrahedra are confirmed, the spinel structure. The impedance, dielectric and dielectric loss ($\tan\delta$) studies are carried out to analyse the variations of different parameters with frequency for different temperatures to have the adequate information about the conduction mechanisms. The impedance study reveals the good conductivity is found to be 1.27×10^{-5} S/cm at room temperature at a frequency ranging from 50 Hz to 1 MHz. The cyclic voltammetry curves indicate that the electrochemical reaction is completely reversible. The first cycle charge and discharge capacity values are 140.7467 and 134.5067 mAh. G^{-1} with capacity retention of 90% after the 3 cycles.



MATHEMATICS

A need for Every Engineer

By

Dr. V.V.S. Ramachandram, Professor, Dept of H & BS

Mathematics is not about numbers, equations, computations, or algorithms, it is about understanding: **William Paul Thurston, American mathematician.**

Mathematics is considered as the 'Queen of Science' since every phenomenon that occurs in the cosmos involves mathematics directly or indirectly. Mathematics is widely used in every field of engineering. It is considered to be a tough subject to study and almost all the students of engineering colleges are always struggling with a fear factor associated with mathematics. Although practice makes a man perfect is true in many typical tasks, it also holds true for the subject Mathematics. It plays a crucial role in engineering, serving as the foundation upon which engineers build and apply their knowledge to solve real-world problems. Some of them are given here.

1. In Electrical Engineering: The differential equations in mathematics find importance in electrical engineering for solving circuit equations. Electromagnetic theory requires calculus and a good knowledge of triple integrals and integration over closed surfaces. Linear algebra is interconnected with the electrical engineering concepts of circuit theory and signal processing.
2. In Electronics Engineering: Single and multivariable calculus has most important applications in this branch. Major topics from complex analysis, differential equations (both ordinary and partial), linear algebra and probability also play crucial role in the branch.
3. In Civil Engineering: Civil engineering deals with real-world problems using the application of mathematical principles like trigonometry, geometry, linear algebra, differential equations, calculus, probability, statistics, etc.
4. In Mechanical Engineering: Simultaneous linear equations and differential equations are used to find out the exact equation for the displacement of nodes in vibrations. In engineering mechanics, algebra concepts and

solutions to multi-degree equations with knowledge of graphs to compare various parameters.

5. In Computer Engineering: Mathematical topics like discrete mathematics which include Set theory, graph theory, probability, number theory and algebra are the basic foundations for programming in computer science. Cryptography is based on logical thinking and Number theory and it has multiple applications in computer science in present scenario.
6. In Agriculture Engineering: The agriculture industry is one of the key areas where mathematics is applied. Using mathematics, it is possible to determine how much water may be utilized in proportion to the area available for cultivation, the amount of investment in a certain crop, measuring fertility of soil and other fields all use mathematics. The different mathematical models used in agriculture include empirical, deterministic and stochastic approaches. These models are dynamic in nature and involve the different branches of mathematics like, algebra, dynamics, mensuration, differential equations, linear programming including assignment and transportation problems, probability, mechanics etc.



GREEN ARCHITECTURE

By
Neelapu Sandeep, Asst. Profesor, Dept of Agriculture

This article is all about focused on the abatement of the tainting in atmospheres during constructions in urban areas. The study has been relieved that the poor planning of our cities and the spaces we inhabit are the main cause. To overcome this stumbling block a new technique came to extant that is "Green Architecture".

Both construction and projects are the main reasons for high carbon gas emissions. It is difficult to make it zero, but we can minimise by using some techniques like water spraying, plantation, reductions of chemicals and using organic materials, etc. A small change in architecture can minimise this pollution for the future. Which means vegetation must be included in the architecture which we call it green architecture. Two decades ago, these names already pointed out the urgency of looking at issues such as the environmental impact of buildings, the need to adopt renewable energy, the way we think about materials in buildings, the adversities of urban sprawl, and interconnectivity with natural systems.

Architecture integrated with the metabolic process of our planet design for co-existence with all species where humans can benefit mutually. Lastly, Marko Brajovic concludes that "future is about synchronicity of architecture with the natural processes, as intelligent, resilient and meaningful sense of Life". Green architecture, philosophy of architecture that advocates sustainable energy sources, the conservation of energy, the reuse and safety of building materials, and the siting of a



building with consideration of its impact on the environment.

The green buildings incorporate measures that are environmentally friendly and resource-efficient across the building lifecycle. The green buildings concept aims to comprehensively minimize the negative impact and maximize the positive impact a building has on its natural environment and human occupants.

The seven green building components include environmentally friendly building materials, energy efficiency, and renewable energy, indoor air quality, water efficiency, waste reduction, smart growth, sustainable development, and toxics reduction. While green buildings can provide significant long-term financial benefits, their initial costs are higher than conventional buildings. The materials and technologies they utilize tend to cost more, the materials may be less readily available, and construction may take longer.



The Essential Contribution of Birds to Agriculture Amidst the Challenges of Global Warming

By
K.V.V.Ramaraju, Asst. Profesor, Dept of Agriculture



Introduction: In the face of the escalating challenges posed by global warming, one aspect that often escapes widespread attention is the indispensable role played by birds in agriculture. As climate change continues to reshape ecosystems, alter migratory patterns, and threaten biodiversity, understanding and appreciating the crucial contribution of birds becomes paramount. This article explores how birds serve as unsung heroes in agriculture and how their roles are increasingly at risk due to the challenges imposed by global warming.

1. Natural Pest Control:

Birds, especially insectivores, are nature's pest controllers. They feed on a variety of insects and pests that can wreak havoc on crops. From the industrious beaks of sparrows to the acrobatic maneuvers of swallows, these avian allies help maintain the delicate balance within agricultural ecosystems by keeping pest populations in check. As global warming brings about shifts in insect populations and introduces new pests, the role of birds in natural pest control becomes more critical than ever.

2. Pollination Services:

Beyond their insect-eating prowess, certain bird species contribute significantly to pollination, a process vital for the reproduction of flowering plants, including numerous crops. Hummingbirds, sunbirds, and honeyeaters, with their unique feeding habits, ensure the transfer of pollen between flowers, facilitating the production of fruits and seeds. The warming climate, however, disrupts the timing of flowering and bird migration, potentially impacting the efficiency of this essential ecosystem service.

3. Seed Dispersal:

Birds, often unknowingly, aid in the dispersal of seeds across landscapes. Their foraging behaviors, coupled with their ability to cover large distances, contribute to the natural regeneration of vegetation. As global warming leads to changes in vegetation patterns and alters the distribution of plant species, the role of birds in seed dispersal becomes crucial for the resilience and adaptability of plant communities.

Challenges Posed by Global Warming:

Despite their inherent contributions, birds face numerous challenges in the wake of global warming. Altered migratory routes, habitat loss, and disruptions in food availability pose existential threats to various bird species. Extreme weather events, intensified by climate change, further jeopardize their survival. The consequences of these challenges extend directly to agriculture, impacting crop yields and the overall health of agro ecosystems.

Adapting for a Sustainable Future: In addressing the challenges posed by global warming, it is imperative to implement measures that safeguard the avian contributors to agriculture. This includes the creation of bird-friendly habitats, sustainable farming practices, and active conservation efforts. The integration of agro ecological principles that recognize and enhance the roles of birds in farming systems is essential for building resilience and ensuring food security in a changing climate.

Conclusion: As the world grapples with the multifaceted impacts of global warming, acknowledging and preserving the vital roles of birds in agriculture is not merely an ecological concern but a necessity for global food security. Embracing sustainable practices, fostering conservation initiatives, and recognizing the interconnectedness of all living organisms will be pivotal in securing a future where the wings of birds continue to weave an essential tapestry within the fabric of agriculture.



Ellora's architecture is a feast for the eyes and the soul

By
P.Vijayadurga Devi, Asst. Profesor, Dept of MBA

The Ellora caves, a World Heritage Site (WHS) in Western India, are famous for their colossal sculptures and beautiful painted plasters dating back to the period 6th–10th Century A.D. These ancient caves are a breathtaking example of rock cut architecture. Excavated from Deccan basalt, and representing three religions of India, namely, Buddhism, Hinduism and Jainism, they stand testimony

to the imagination and artistry of its creators. The 34 caves run approximately in the north-south direction for almost 2 km. At the southern end are twelve Buddhist caves, in the north are six Jain caves, and in between lie seventeen Hindu caves. These caves



were carved from the basalt rock face of the Sahyadri mountain range in the present-day village of Velura in the district of Aurangabad in Maharashtra.

The famous Buddhist caves of Ajanta and Aurangabad are not too far off. Ellora caves, however, are distinct because there are Buddhist, Brahmanical and Jain caves

at the same site, running on the north-south axis, flanked by two waterfalls in either direction. Such multi-religious coexistence of cave structure is unique, though one can read contesting sectarian ideologies and patronage in the nomenclature and sculptures of these caves at different times in the past.

History of Ellora caves: One of the distinctive features of Puranas and even the regional or sthalapuranas is that they concern themselves with the myth of origins. This has resulted in the exploration of geography and early ethnography of the earth and its division, the Bharatavarsa or the Indian subcontinent. Politically, the rule over these territories is devised through multiple myths of descent and lateral relationship broadly classified in a dependent but opposing binary as the Sūrya and Candra vamsas—the solar and lunar descents. These quasi-historical genealogies were often used to legitimate the claims of historical dynasties, like as the Chalukyas recounted earlier. In this geographical and political exploration, there is a historical conjunction, some kind of synchronicity at some point in time



between the two, wherein the region and its rulers are created. The myth of Ailas (the male Ila and female Ilā) is significant in order to understand the creation of the Deccan and its subsequent polities. The political significance of the period around the fifth and sixth centuries CE is important to keep in mind. The Kalacuris and later the Chalukyas were at the height of their power from the mid-sixth to the mid-eighth century. They ruled over vast stretches of South India, Maharashtra, Gujarat, central India and as far as Bengal, before they ceded it to the Rastrakutas. As far as Ellora is concerned, the later Buddhist caves and the early Brahmanical caves came up in this period. This was a period when Buddhism virtually merged into Brahmanism, owing primarily to the dominance of the Vajrayana elements coming into the Buddhist cave art and such elements permeating into and being adopted by the Brahmanical cults as well. Thus, the predominant figuration of Devi or Sakti in both these religions facilitated the correspondence of one into the other, blurring the visual and the religious ritual boundaries between the two. This was also the phase when fewer Buddhist monks arrived from Southeast Asia, and by the ninth century, there would only be a trickle until it stopped after the twelfth century.

Architecture of Ellora Caves:

In many of the caves, the lighting of fire within the caves in the past has left the paintings charred. Yet, there still remain beautiful decorated artworks both on lime and mud mortar. But the mud mortar now shows distress and losses due to the impact of environmental factors, and needs restoration with new earthen plaster that can optimize



quality while being maximally compatible with the existing material. In earthen plaster with high aggregates (sand + silt) to binder (clay) volume ratio (4:1), it has been observed that adding a significant amount of straw helps to reduce undesirable shrinkage. Clay, upon drying, has a natural tendency to form a relatively hard, compact and resistant mass. This is not the case for non-clay minerals, because of their larger grain size. The larger the grains present in the mud mortar, the more rigid will be the behavior of the plaster and the stronger the tendency to deform through grain breakage. It has been observed that similar materials coming from the same area used in earthen plaster may have different grain size distributions. Because of smaller surface area in relation to volume, non-clays attract relatively smaller quantities of water; and the material is also non-plastic. Furthermore, non-clays (silt and sand with larger grains) are more irregular; hence with grain-to-grain contact area is reduced and contact cohesion by electrostatic forces much lower.

For the earthen support to function well, it is desirable to have an equitable

distribution of silt, sand, and clay. Too much silt is neither a good binder nor an aggregate, and yields material that is prone to shrinkage and cracking. In order to overcome the inadaptability of local raw resources, other inorganic materials are often added to earth mortar, such as calcite, or perhaps even slaked lime [Ca(OH)₂] by just mixing while preparing mud plaster. It has been observed that adding calcite or lime to clay masses significantly influences their shrinkage; materials such as calcite, silica, ferric oxide, and lime act as cementing agents for the earthen mix; they form bridges between the clay micelles and thereby reduce swelling. Some mud mortars are also found to contain zeolites, and amore rare glauconite (an iron-bearing low-temperature micaceouspotassic mineral) as aggregates. Iron oxides are strong coloring agents, and indicate the chemical condition sunder which the materials containing them are found. The remarkable color of the mud mortarat Ellora comes from the presence fironoxide.

Destruction of Ellora Caves:

The king Dandaka Raja caused all the places from Indra sabha to Pataalloka to Dhoomalayaa, to be painted on both the sides and all the figures sculpted on the muntapham on the mountain...when Aurangzeb Padshah came here cunnatts [sic; tents] were put up in the muntapam [courtyards]. He is said to have resided here sometime at that time he caused the muntapam to be filled up with straw which was set on fire; this was done on the persuasion of some Mohamadans to make trial of the virtue of the place. In consequence all the paintings were destroyed and the carvings greatly damaged. (sic; Mms: folio 23–24) Yet the caves survived. The manuscript then launches into a counter-narrative of the power of place, wherein the power of the 'sacred' is greater than the 'temporal something which the mortal ruler had to eventually recognize. The counter-narrative humbles and civilizes the emperor: when Raja Aurangzeb was in the Kailasghurry (sic) he caused all the muntapam to be filled up with straw which was set on fire. In the following night Mahadev appeared to him in a dream and struck him, and the next morning the news arrived of the sudden death of the wife of the son of Aurangzeb and his favourite riding horse; then Aurangzeb was convinced that this was a holy place. There being no large gate to the mountain of KylasGhery (sic Kailasa Temple) at that time. Aurangzeb Padshah expended a considerable sum in building the Mahadwaar or great gate to KylasGhery; and without the gate he built three domes wherein his wife and son were buried and from that period he gave no more trouble to this place. (Mms: folio 30)

In these texts, the Muslim rulers, both the Mughals and the Nizamshahis who ruled from Hyderabad were depicted in a similar way. The Nizamshahis were contemporaneous to the production of the manuscript and were depicted slightly more discreetly as neglectful and callous to the religious affairs of the Hindus. West of the temple are two domes. It is written that the Maalojee Raja, who was a Patil then under Padshah, sat on the north east of Greesneswar calling on the name of Seevo and departed his life. Over him was built the dome and second tomb was built in Jhakum 1414 Saka (1492 CE) for ShahjeeBhosala. The ground was purchased from the Brahmins and two tombs were erected when they died.

Brave Steps: Tackling Fears to Reach Your Goals

By
Mrs. M.Pavani Devi, Asst. Profesor, Dept of CSE

Introduction:

Life's journey can feel like a maze, with fears acting as tricky obstacles along the way. But guess what? These fears, once faced, can be the secret ingredients for your personal growth recipe. This article is your friendly guide, encouraging you to see fears not as roadblocks, but as stepping stones to becoming the best version of yourself and achieving those dreams you hold dear.

1. **Fear - It's Natural:**

Everybody feels fear—it's like our internal alarm system. But sometimes, fear sets up camp where it doesn't need to. Understanding that fear is just a part of being human is the first cool step towards taking away its power.

2. **Fear as Your Personal GPS:**

Think of fear as your own adventure GPS. When you feel scared about something, it's like a little arrow pointing to where your biggest, coolest growth opportunities are. Embracing fear means taking the scenic route to your best self.

3. **Goals that Give You Butterflies:**

Picture your goals as butterflies—beautiful and a bit fluttery. Instead of sticking to easy-peasy goals, pick some that make your stomach do a happy dance. These are the ones that will turn you into a goal-catching superhero.

4. **Swap Fear for Friendship:**

Let's make fear your buddy, not your bully. When you face fears, you're basically saying, "Hey fear, I see you, but I'm not backing down." That's when courage becomes your sidekick, and the adventure begins.

5. **Bouncing Back Like a Superball:**

Imagine you're a superball—no matter how hard you're thrown down, you always bounce back up. That's resilience. Facing fears builds this superpower, turning setbacks into launch pads for your next big move.

6. Share Your Journey:

Life is a team sport. Share your fears and goals with your cheer squad—friends, family, mentors. They'll be there to high-five your victories and offer a hand when things get a bit wobbly.

Conclusion:

Ready for the adventure? Facing fears is like unlocking levels in a video game—each one brings you closer to mastering your journey. So, take a deep breath, put on your bravest smile, and let's turn those fears into the stepping stones that lead straight to your dreams. You've got this!

A Hidden Beautiful Girl

By
Mrs. B.Sushmitha, Asst. Profesor, Dept of CSE

A Hidden Beautiful Girl

Every girl is beautiful in her own unique way.

Behind every beautiful girl's Eyes- Many tears are hidden.

Behind every beautiful girl's Smile-Many difficulties are hidden

Behind every beautiful girl's Heart-Many emotions are hidden

Behind every beautiful girl's Mind- Many fears are hidden

Behind every beautiful girl's Silence- Many words are hidden

Behind every beautiful girl's Dream- Many unfulfilled desires are hidden

Behind every beautiful girl's Journey- Many struggles are hidden

Behind every beautiful girl's Face-Many pains are hidden



Behind every beautiful girl's Naughtiness - Many troubles are hidden

Behind every beautiful girl's Stubbornness - Many scars are hidden

Behind every beautiful girl's Angriiness - Many emotions are hidden

Behind every beautiful girl's Stand - Many sacrifices are hidden

Behind every beautiful girl's Success - Many hardships are hidden

So behind every beautiful girl's Life - there is another world hidden that no one cares to know about...

True beauty lies within you but not in how the world sees you..

Dedicated to all the beautiful girls....

-B.Susmitha, HOD AIML..



Needs Analysis to reframe Syllabus based on English for Occupational Purpose

By

Mrs. S.BalaKumari,, Asst. Professor, Dept of H & BS

The term syllabus is generally defined as “a description of content of a course of instruction and the order in which they are to be taught” (Richards & Schmidt, 2002:532). The syllabus of the Indian Universities is not frequently updated and so they remain outdated resulting in wide Industry Academic gap. The curriculum should be based upon English for Occupational Purpose (EOP), so that the student may equip necessary soft skills to meet the competition arising from the job market.

In the challenging world of blooming business Professionals, Managers and Executives indeed all the employees of the companies have to communicate effectively. No Organization can survive without communication The syllabus must focus on the avenues like communication and its types, the demands of the corporate sectors such as the essentials of telephone etiquette, Call center English, Case study methods, Socialization, Brand Management, Corporate Culture/ Cross cultural relations, Describing Company History, Problem solving, Creative thinking, Career planning, Letter writing E-mail etiquette, writing a resume, Appearing for Interviews, Group discussion , Debating, Public speaking, making presentations, Reporting, Soft skills, Job Interviews, Time- management skills, Team building skills, Persuasive communication skills, Respect for organizational hierarchy, Tele conferencing, Meetings, presentations, Business Correspondence.....

Needs Analysis generally refers to the activities that are involved in collecting information that will serve as the basis for developing a curriculum that will meet the needs of a particular group of students. The above said content must be incorporated in the syllabus as most of the students from the Engineering colleges, who are technically sound and work in any challenging portfolio lack in communication skills which is the vital segment of job market.

The present English syllabus in the Engineering colleges does not suffice the demands of the corporate world. Hence the Industries and Institutions should interact and share their requirements and have liaison between them. These solutions will imply suitable changes in the days to come.

NATURE- OUR GUIDE

Beneath the branches, in nature's embrace
A silent teacher, with infinite grace
Whispers of wisdom in the rustling leaves
Nature our guide, which each heart believes.

Mountains stand tall, resilient and strong
Teaching endurance when things go wrong
Rivers flow with a rhythmic song
Lessons of adaptability all along

Sunrise and sunset, a timeless art,
Nature imparts, from its very heart
In the dance of seasons, a vivid display,
Teaching us change is the only constant way

In the quiet of woods, where shadows play
Nature, our true teacher, shows the way.
Patience, resilience, and harmony
In the book of life written by a tree.



Ms S. Bala Kumari
Assistant Professor of English

CHANDRAYAAN-3

The first lunar exploration mission in the history of ISRO was Chandrayaan.

It was launched in the year 2008 and since then 2 more follow missions have been launched under this program.

The second follow-up mission was launched in 2019 and followed by third follow-up mission in 2023.

Chandrayaan-3 was launched on 14th July 2023 by the Indian Space Research Organisation (ISRO) from its Satish Dhawan space center (SDSC)-SHAR in Sriharikota, Andhra Pradesh.

On 23rd August, the spacecraft successfully landed on the south pole of the moon through the Vikram lander. India has become the first country to step on a lunar-south pole through Chandrayaan-3. India has marked history by making a soft landing on one of the most challenging regions to land on because of the presence of major craters and scrapers in the terrain. The main objective of this mission was to make a soft landing and then a rover "**Pragyan**" would move around the terrain to hunt the presence of water and conduct other scientific experiments. The mission will be carried down for 14 earth days i.e. the rover on the ladder will roam around the moon and study its surface for 14 days. The successful attempt has made India very sure of further development and planned missions to the moon.

The success of Chandrayaan-3 has marked the country in different records such as the first country to land on the moon's South Pole and the most cost-effective execution. This blog will provide deep insights on Indian Space and Technology.

WILL ENGLISH BE RELEVANT TO 21ST CENTURY?

“THE BEST WAY TO LEARN A LANGUAGE IS TO SPEAK IT”

Today English has become the dominant language. English has been adopted in India as a language of education and as a medium of communication.

It is used in all walks of life. It has become a window to the world . The advancement in science and technology made the language stronger and more popular. It has unique inner strength to adjust itself to different circumstances.

After globalisation, it has been performing the role if a link language at international level. The internet, the e-mail, the e-commerce, the e-health and e-seva have brought a revolution in the world of information technology and their language is English. We have a strong foundation due to the long British rule. Let us recollect the great masters of this language such as Swami Vivekananda, Sarojini Naidu, Tagore, Dr. Rajagopal Chary, R K Narayana and a host of others. Indian writers in English are very popular and famous in Western Countries. Indian words in English have enriched the vocabulary.

To speak well, one should think clearly and logically. To write well, one should learn grammar. Regular practice leads to improvement. Vocabulary is a keyword to success in writing and speaking

Success in speaking is 99% practice and 1% inspiration. Success in writing is 99% hard work and 1% Smart work. We must read newspapers regularly to enrich our communication skills in English. We must speak and write in simple, conversational style (tone)

Trained teachers with dedication, innovative teaching methodology, and materials can help students in acquiring L S R W skills easily.

The dire need of the hour all over the globe is communication skills in English.

“Let us swim with the current and not get drowned in the backwaters”.

Sharpening speaking skills and writing skills are necessary to succeed in all walks of life (in every field). Today communication skills in English play a vital role in the global village.

S. Narasimha Rao
Associate Professor of English

అమ్మ.... నాకు తెలియలేదు



అమ్మ

ఒక మధురమైన జ్ఞాపకం, రెండు అక్షరాల పదం, 25
సంవత్సరాల బంధం, వేల ఏళ్ల అనుబంధం.

అమ్మా,

నాకు జన్మనిచ్చినప్పుడు నువ్వు ఎంత బాధనిపర్చుకున్నావో నాకు తెలియలేదు
నేను జన్మనిచ్చేంత వరకు...

నా చిన్నతనంలో నువ్వు ఎన్ని నిద్రలేని రాత్రులు గడిపావో నాకు తెలియలేదు
నేను నా పిల్లల గురించి పడినంతవరకు...

నా పిల్లల కోసం గడిపేంతవరకు నువ్వు నాకోసం నీ ఇష్టాలను వదులుకున్నావు నీ కాలాన్ని
వదులుకున్నావు నీ మిత్రులను నీ బంధువులను వదులుకున్నావని నాకు తెలియలేదు
నీతో నా బంధం తెగిపోయేంతవరకు...

నువ్వు నాకు ఎంత ముఖ్యమో, నువ్వు లేకపోతే నేను
ఏమైపోతానో, నేను నీ మీద ఎంత ఆధారపడిపోయానో నాకు తెలియలేదు
నువ్వు నా జీవితంలో లేనంతవరకు...

నేను నిన్ను ఎంత బాధ పెట్టానో నాకు తెలియలేదు
నేను నీ గురించి ఆలోచించేంతవరకు...

అమ్మ అన్న పిలుపు ఎంత మధురమో నాకు తెలియలేదు

ఆ పిలుపు నేను ఎప్పటికీ పలకలేను అన్న నిజం నాకు నిర్ధారణ అయ్యేంతవరకు...

నువ్వంటే నాకు ఎంత ఇష్టమో నాకు తెలియలేదు

నీ గుండె ఆగిపోయే వరకు నా గుండె పగిలేలా నేను ఏడ్చే వరకు...

నువ్వు నాకోసం నీ జీవితాన్నే వదులుకున్నావని నాకు తెలియలేదు

నేను నువ్వు లేని జీవితాన్ని గడిపే వరకు.

అమ్మ

నాకు జన్మనిచ్చినందుకు ధన్యవాదాలు,

నన్ను లాలించినందుకు నోటి నమస్కారాలు,

నన్ను ప్రేమించినందుకు పాదాభివందనాలు,

కానీ నువ్వు నన్ను వదిలి వెళ్ళినప్పుడు బద్దలైనది నా హృదయం,

శూన్యమైనది నా జీవితం,

తిరిగి రాదు నేను నీతో గడిపిన సమయం.....

Dedicated to the greatest mom in the world “మా అమ్మ”

-Sirisha Balla, Asst. Prof, Dept. of AI



Imagination is the Key to Innovation

Imagination is an essential factor in everything we do, think about creating. It leads to elaborate theories, dreams, and inventions in any profession from the realms of academia to engineering and the arts. Our profession does not matter when it comes to how imagination influences everything we do.

Cognitive Scientists believe that our ability to imagine is the result of something called a mental work place, a neural network that manages activity across multiple regions of the brain.

A mind that can discover and create a new world is considered a spirit.

Albert Einstein's quote,

"Imagination is more important than knowledge," serves as a reminder that our ability to think creatively and see beyond the constraints of our current reality is an essential ingredient for human progress".

These simple activities can be used to train our imagination.

1. Take a walk, Stanford university researchers found that walking stimulates imagination.
2. Meditating for 15 to 20 minutes can help clear mind.
3. Read fiction books
4. Day dreaming and boredom
5. Do simple tasks.
6. Tell a story.
7. Doodling - to draw pictures or patterns while thinking about something else or when you are bored

8. Find blue

For instance, in order to encourage innovation the company must implement, maintain, and create an environment. The company's work force is valuable asset that facilitates its process, and its use is advantageous to the process in various ways. The statement is based on the belief that imagination allows us to imagine new possibilities and ideas while knowledge is limited to what we already know. The creation of new knowledge and discoveries can be achieved by imagination, but knowledge alone may not always lead to new progress. The invention process is highly dependent on imagination, which enables us to envision possibilities that are not yet possible. To invent something, one must first be able to envision it.

Dr. Jaya Kumar Andru
Asst. Professor

Study techniques

Students are way too stressed to study and present themselves in the examination. So, to sort the things out people came up with brand new techniques to gain interest in studies. It accurate the time and gain knowledge without lacking of interest. so, i came up with some techniques around the world which helps students to improve their studies and make themselves confident.

Feynman technique :

The Feynman technique is a 4-step learning method originally used by the noted American noble laureate ' Richard feynman' .so , it is named after him. The main idea of this technique is to take something that's hard to understand and try to clarify by explaining yourself as if you're talking to a child. The 4 steps are described in this way :

1. Pick a topic and study it.
2. Gather the information and understand them.
3. Explain the topic to someone like who is unfamiliar with the topic at their level of understanding.
4. Return to the literature to understand better.

Pomodoro technique:

The pomodoro technique is a time management method developed by ' Francesco cirillo' in late 1980 . In late 1980's it is used as kitchen timer to break work into intervals , typically 25 minutes in length followed by short break . In the same-way for every 25 minutes of study there should be a 5 minutes of short break .This helps to relax your mind get set for other topic .This helps to memorize and grasp the information in short period of time and last forever .It is also one of the effective way to study for the students.

Mind map :

A mind map is a diagram representation used visually organize information into relationship among species . It often create around a single concept drawn into the form of flow chart , tree diagram etc... . It enables students to link newly learned

topics with their prior knowledge .

Leither system :

The leither system is widely used method of efficiently to study .It was proposed by the German science journalist 'Sebastian leithner' in 1972. It is a simple and effective method that uses a flashcard based learning strategy to maximize memorization . Leither found this technique helps the students to memorize quickly. so, it is named after him .

Nature is not a place to visit our house

Once upon a time, there is a beautiful house in a village. The house is adorned with scenery and greenery. And there lived a cute and small family of a father, mother, brother and sister. Their life in that house was beautiful. In front of the house there is a pond. It is about 4PM in the evening, the sky is about to rain and everyone can feel the cool breeze coming from it. These are the signals that are given by the nature before the rain. Birds cheerfully make some sounds with joy. When it rains, the fragrance released from the soil refreshes our minds. Farmer's are filled with joy and celebrate as it rains. There peacocks start dancing as rain drops from the sky touch its beautiful feathers. The coco also starts singing a melodious tune with sweet voice. These are the few things which describe the fresh and warm welcoming nature of village.

D. Bhavya Sri
B.Tech. First Year AIML

FIRST WOMAN IPS OF INDIA

As we all know that the KIRAN BEDI is our first Indian woman IPS. She is also known as daughter of India.

Kiran Peshawaria known as Kiran Bedi for us was born on 9 June, 1949 at Amritsar, East Punjab, India. She was born to Prakash Lal Peshawaria and Prem Lata. She completed her primary education at Sacred Heart Convent & Cambridge College. She graduated BA Hons at S.R. Govt. College, MA at Panjab University, L.L.B. at Delhi University, Ph.D at IIT Delhi.



As a teenager, Bedi was crowned the national junior tennis champion in 1966. After joining the IPS, Bedi served in Delhi, Goa, Chandigarh and Mizoram. She started her career as an Assistant Superintendent of Police (ASP) in Chankyapuri area of Delhi.

1979: She won the President's Police Medal.

1982: Asian games in Delhi.

1983: Commonwealth Heads of Government Meeting in Goa.

1986: As Deputy Commissioner of Police of North Delhi.

She introduced several reforms at Tihar Jail, which won her the Ramon Magsaysay award in 1994. In 2003, Bedi became the first Indian and first woman to be appointed head of the United Nations Police. She resigned in 2007, to focus on social activism and writing. She runs the India Vision Foundation. She was one of the key leaders of the 2011 Indian anticorruption movement, and joined the Bharatiya Janata Party (BJP) in January 2015. She unsuccessfully contested the 2015 Delhi assembly election as the party's chief ministerial candidate.

While coming into her personal life, Anu Peshawaria is Bedi's younger sister.

Kiran met her future husband Brij Bedi on the tennis courts of Amritsar. Brij, who was nine years older than her, played university-level tennis at the time. On 9 March 1972, they two were married at a simple ceremony at the local Shiva temple.

This couple had a daughter in 1975; originally named Sukriti, she later changed her name to Saina. Brij Bedi passed away on 31 January 2016.

This is about our First Indian Woman IPS i.e., Kiran Bedi. She continued her service to this country even after her retirement. Kiran Bedi is one of the renowned personalities. She is a soul of courage and fearlessness. She is famous for her honesty in the service. She had served India effectively for almost 35 Years. She is still continuing her service to this country.

M.Mrudula & M.S.Srujathi.
B.Tech 1st year, CAI Branch

COLLEGE LIFE: A journey of self-discovery and learning.....

College life is known as one of the most memorable years of one's life. It is entirely different from school life. College life exposes us to new experience and things that we are not aware of earlier. For some people, college life means enjoying life to the fullest and partying hard, while for others, it is time to get serious about their career and study thoroughly for a brighter future.

Nonetheless, college life remains us a memorable time for all of us. But not everyone is lucky enough to experience the college life. Most of the people do not get the chance to go to college due to various reasons. That is may be due to their financial background or may they have some other responsibilities to fulfill. The one who had a college life always wish to turn back time to live it all once again ...

Moreover, people always look back at the time spent in the college canteen. It was considered as the hub of every student where they enjoyed eating and chatting away with their group of friends. They remember how the group of friends walked around the college in style and playing silly pranks on each other.

Finally, college will be the best place for most of the people where they find the reality and where they come to known one's own self.

An ammeter is the most memorable place in every one's life.

**-An article by P.U.V.D.S. HARINI
2nd B. Tech CSE.....**

-IF THE VEHICLES SPEAK...

Once upon a time, a cycle asked to all the vehicles, why do you all like to pollute the world? Then the vehicles said, we all don't like to pollute but the humans who travelling on us are making us to pollute the world then cycle replied to the vehicles, then why don't you trouble yourself like battery down etc., then the vehicles said, all the trouble's are completed and also repaired by the mechanic, we have interested to save our world without pollution but what can we do now? Cycle replied that oh, than we will worship to God. After worshipping to God'sGod's replied, hey vehicles don't worry about it we will make the world afraid by making earthquakes, accidents, Tsunami etc..., because if they understand this is all about pollution then they will use cycles and non-polluting vehicles more, then vehicles replied thank you God then God's had gone away then from the next minute all the dangerous, harmful things are started then humans were afraid of it and understood about the pollution and all the things happening, but people got no realization, then cycle said why the people always invite polluting vehicles, why don't they invent non-polluting vehicles? Like by using salt water vehicles which had already invented then vehicles replied, we think that there is no talented to them to invite such type of vehicles, a cycle replied, don't say like that they had talent, some of them had invented salt water vehicles but they are not using more, why don't they use more? Vehicles replied we think they like to pollute the world and make their health spoil and die for some years only, then there future generations stops quickly, there is no humans in the world then cycle replied yes you all are right, if they think about future, they will not do it all the vehicle decided to leave the humans and started travelling again.

Moral: stop polluting the worlds and think about future generation

M. Kavya Sri
B.Tech. Fist Year
AIML

The Potential Dangers Of AI In The Future



What is AI:

Artificial intelligence refers to the development of computer systems that can perform tasks that typically require human intelligence. This includes learning, problem-solving, understanding natural language, and perception. AI can be categorized into two types: narrow or weak AI, which is designed for a specific task, and general or strong AI, which has the ability to perform any intellectual task that a human can.

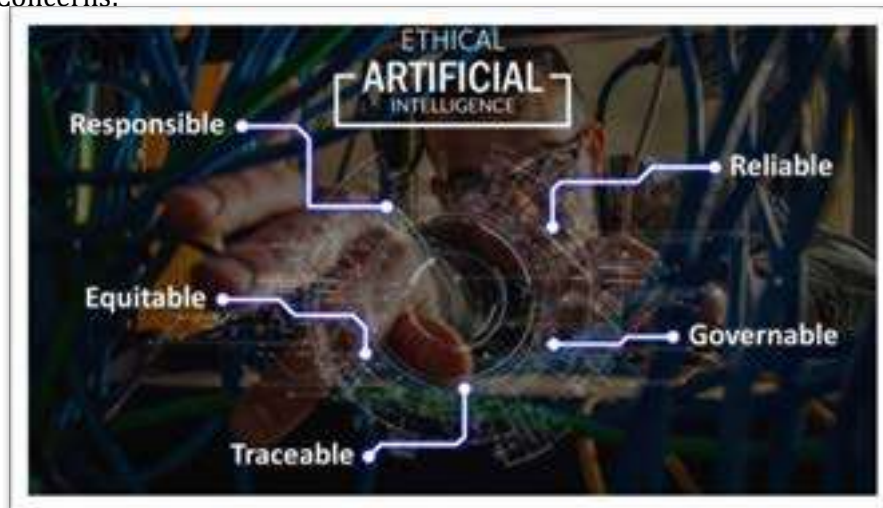
Effects of AI:

AI can be dangerous if it is not properly developed, controlled, or ethically used. Issues like biased algorithms, lack of transparency, and unintended consequences can lead to harmful outcomes. Additionally, in scenarios where AI systems have autonomous decision-making capabilities, there is a risk of them making decisions that may not align with human values or ethics. Ensuring responsible development and governance is crucial to mitigate these dangers.

Some of the major potential dangers of AI:

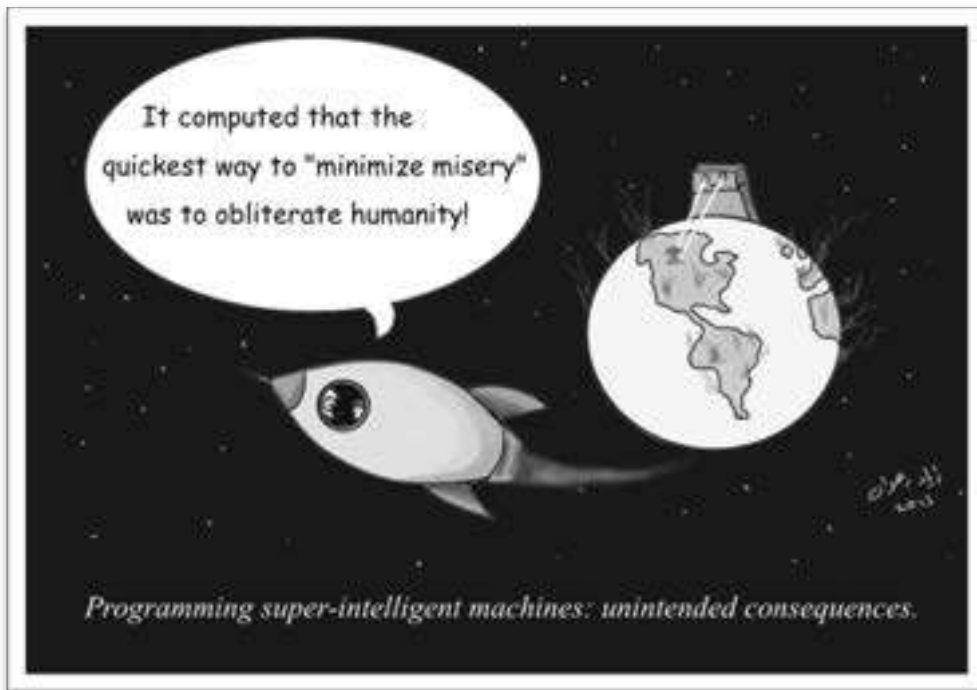
- Ethical concerns
- Job displacements
- Privacy concerns
- Autonomous weapons
- Unintended consequence

1. Ethical Concerns:



One of the primary dangers associated with AI is the ethical implications surrounding its use. As AI systems become more sophisticated, questions arise about accountability, bias, and decision-making. If not properly regulated, AI algorithms can inadvertently perpetuate societal biases, leading to discriminatory outcomes in areas such as hiring, lending, and law enforcement.

2. Unintended Consequences:



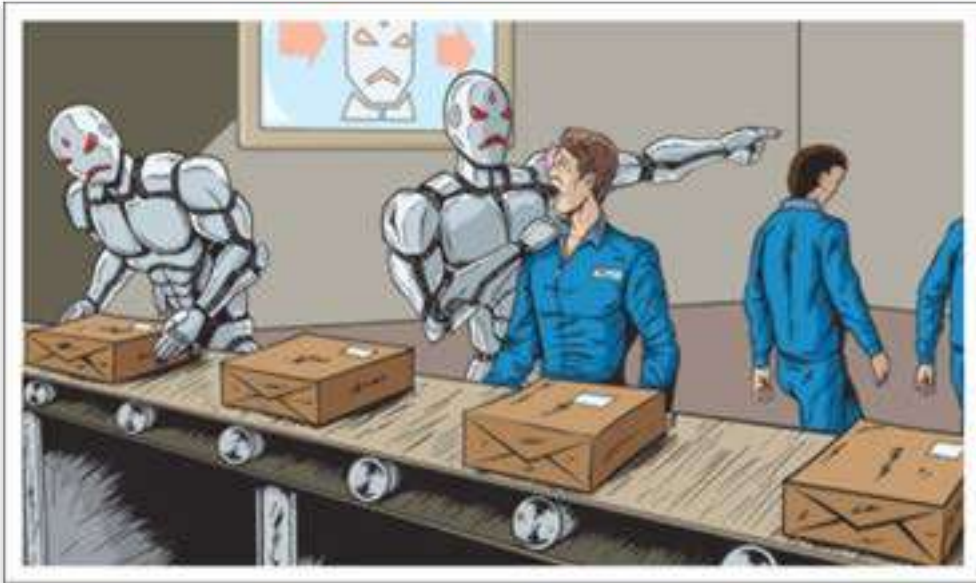
The complexity of AI systems makes it challenging to predict all possible outcomes accurately. Unintended consequences may emerge as AI evolves, posing risks that we may not be fully prepared to handle. This unpredictability raises concerns about the potential misuse of AI technologies, whether intentional or unintentional, and the need for robust safeguards to prevent undesirable outcomes.

3. Autonomous Weapons:



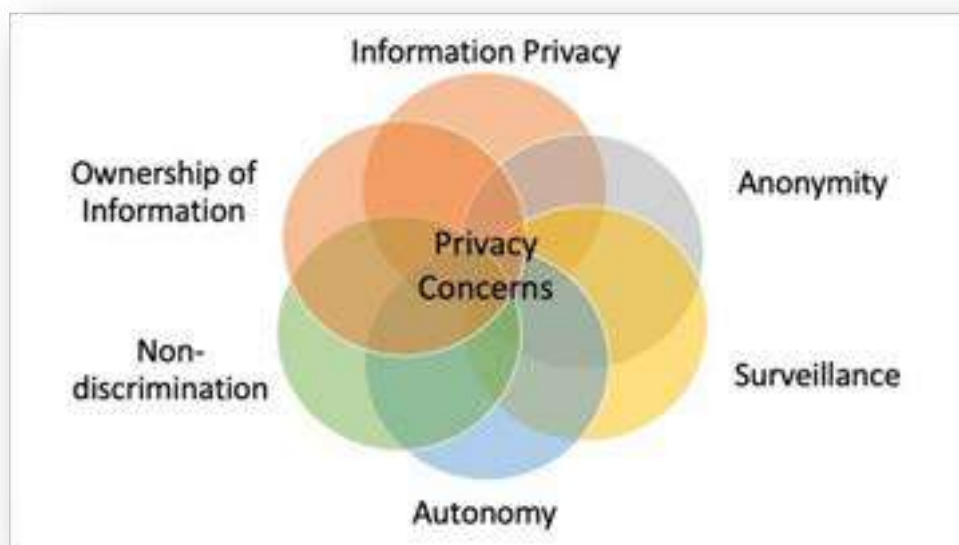
The development of autonomous weapons powered by AI introduces a new level of risk. As nations explore the military applications of AI, concerns about the lack of human control over lethal autonomous systems grow. The potential for these weapons to make decisions without human intervention raises ethical and security issues, as their actions may be difficult to predict and control.

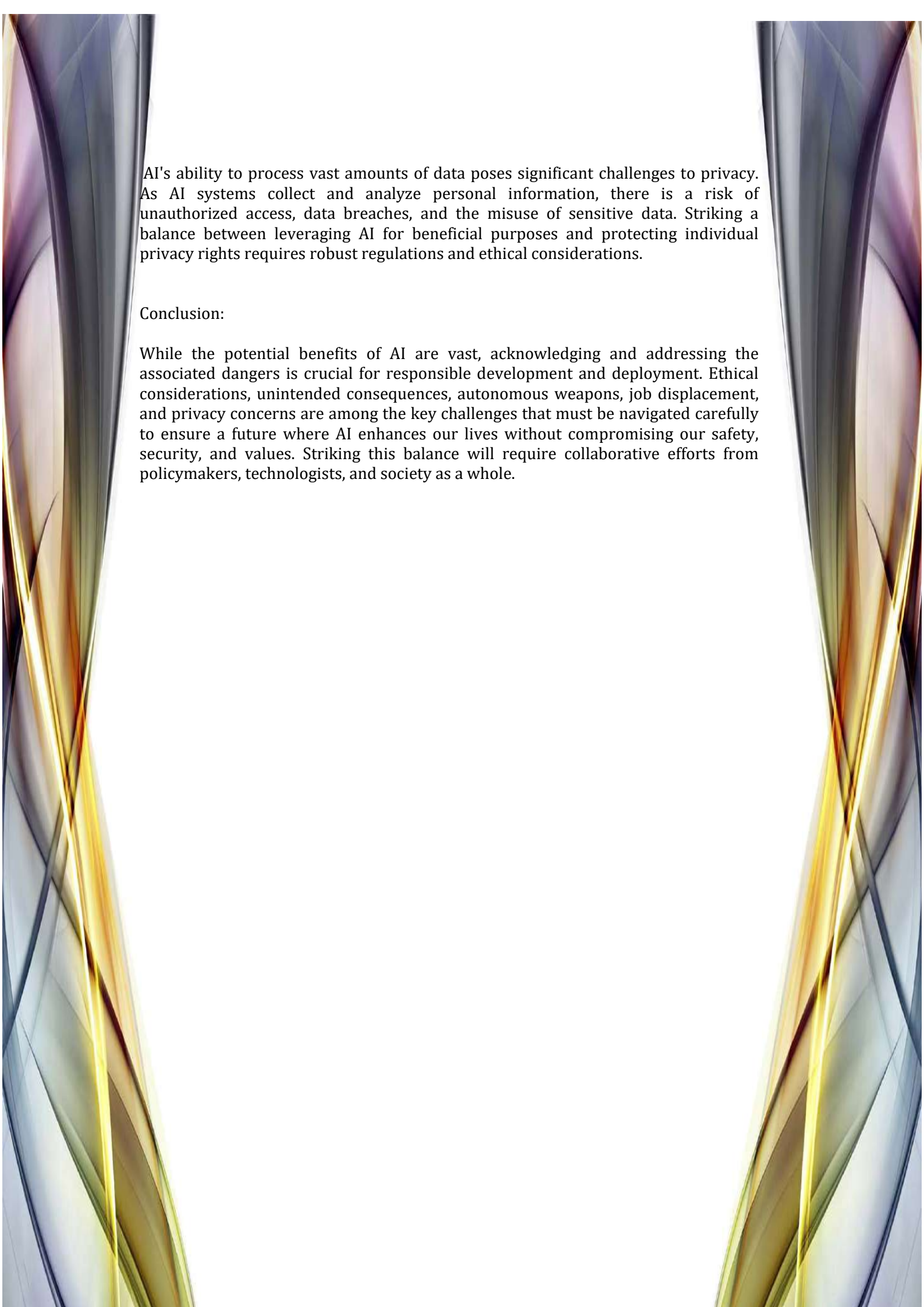
4. Job Displacement:



The increasing integration of AI in various industries has the potential to displace human workers. Automation and AI-driven processes may lead to job losses in certain sectors, creating economic and social challenges. Preparing the workforce for the inevitable changes and ensuring a smooth transition to new employment opportunities become essential to mitigate the negative impacts of AI on employment.

5. Privacy Concerns:





AI's ability to process vast amounts of data poses significant challenges to privacy. As AI systems collect and analyze personal information, there is a risk of unauthorized access, data breaches, and the misuse of sensitive data. Striking a balance between leveraging AI for beneficial purposes and protecting individual privacy rights requires robust regulations and ethical considerations.

Conclusion:

While the potential benefits of AI are vast, acknowledging and addressing the associated dangers is crucial for responsible development and deployment. Ethical considerations, unintended consequences, autonomous weapons, job displacement, and privacy concerns are among the key challenges that must be navigated carefully to ensure a future where AI enhances our lives without compromising our safety, security, and values. Striking this balance will require collaborative efforts from policymakers, technologists, and society as a whole.

ARTIFICIAL INTELLIGENCE

ABSTRACT:- Artificial Intelligence is the Science and Engineering domain concerned with the theory and practice of developing systems that exhibit the characteristics we associate with intelligence in human behavior. Starting with a brief history of artificial intelligence, this article presents a general overview of this broad interdisciplinary field, organized around the main modules of the national architecture of an intelligent agent (Knowledge representation; problem solving and planning; knowledge acquisition and learning; natural language, speech and vision; action processing and robotics) the main highlights both the main areas of artificial intelligence research, development and application and also their integration.



Artificial Intelligence (AI) is the science and engineering such as perception, adaptation and acting on environment.

Its main scientific goal is understanding the principles that enable intelligent behavior in humans, animals and artificial agent. The Scientific goal directly supports several engineering goals such as developing intelligent agents. This mainly explains that the artificial intelligence is a man- made intelligence.

“Software is eating the world, but AI is going to eat software”

B.Tech I Year CAI (D) -T. Mimanisha (236W1A43B9)
J. Navya Sri (236W1A4374)

TRUE FRIENDSHIP.

A Friend is someone who is trustworthy and loyal. They are someone with whom you can share anything without judgment. In my life, I have a that type of loyal best friend. I call her with the nick name “**kirru**”. The bond I share with my best friend is on of my most prized possessions. Our wonderful and jovial journey started in 6th class. Still, we are continuing our bond. She is being always one of ambivalence, she is one and only person to share my feelings. I feel happy and relax when I portion my feelings with my friend. There were many quarrels but our friendship was not lost. She understands me a lot and become always ready to help me in my bad or happy situation. We always communicate openly, listen to each other and make time for quality moments.



I still remember, after completing our school education we divided into different colleges but she came back for me and joined in my college. She has expressed a lot of favorites about me. She is well-informed about me. She is always there for me no matter what. It's truly a blessing to have such a caring and understanding best.


When it comes to the matter of trust, the Trust is such an important aspect of any friendship. It's wonderful that my best never lies to me. It creates a strong foundation between us. I want to continue and strengthen this bond with my best.

“Things are never quite as scary when you got a best friend”

****My wholehearted words about****

****my bestie****

B.Tech I Year CAI:-G.Tejaswini(236W1A4372)



Welcome to the Rhythm of Innovation: ISTS-Pulse Magazine

Dear Readers,

As we embark on a new journey with the inaugural issue of ISTS-Pulse, we are thrilled to present to you a magazine that pulsates with the rhythm of innovation and discovery. ISTS-Pulse is not just a publication; it's a dynamic platform where ideas converge, perspectives collide, and the heartbeat of progress resounds.

In each issue, we aim to capture the essence of cutting-edge advancements, transformative research, and the spirit of exploration within the realms of science, technology, and society. Our team of dedicated editors, writers, and contributors are committed to creating content that stimulates the intellect, sparks curiosity, and fosters a sense of connection among our diverse readership.

From groundbreaking research insightful interviews, ISTS-Pulse will serve as your guide through the ever-evolving landscape of innovation. As we delve into the stories that shape our world, we invite you to join us on this exciting journey of exploration and enlightenment.

This magazine is a testament to the passion and dedication of the scientific and technological community. We are indebted to the brilliant minds that push boundaries, challenge norms, and redefine what is possible. ISTS-Pulse is not just a reflection of the present; it's a glimpse into the future.

We invite you to immerse yourself in the pages of ISTS-Pulse, where the pulse of progress beats strong. As we navigate through the vast expanse of knowledge and ideas, let us come together to celebrate the remarkable achievements that continue to shape our world.

Thank you for joining us on this exhilarating adventure. Your curiosity fuels our commitment to delivering content that resonates with the pulse of innovation.

Welcome to ISTS-Pulse – where the heartbeat of progress echoes in every page.

Best Regards,
Uma Mahesh Kumar Gandham
Editor -ISTS-Pulse



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