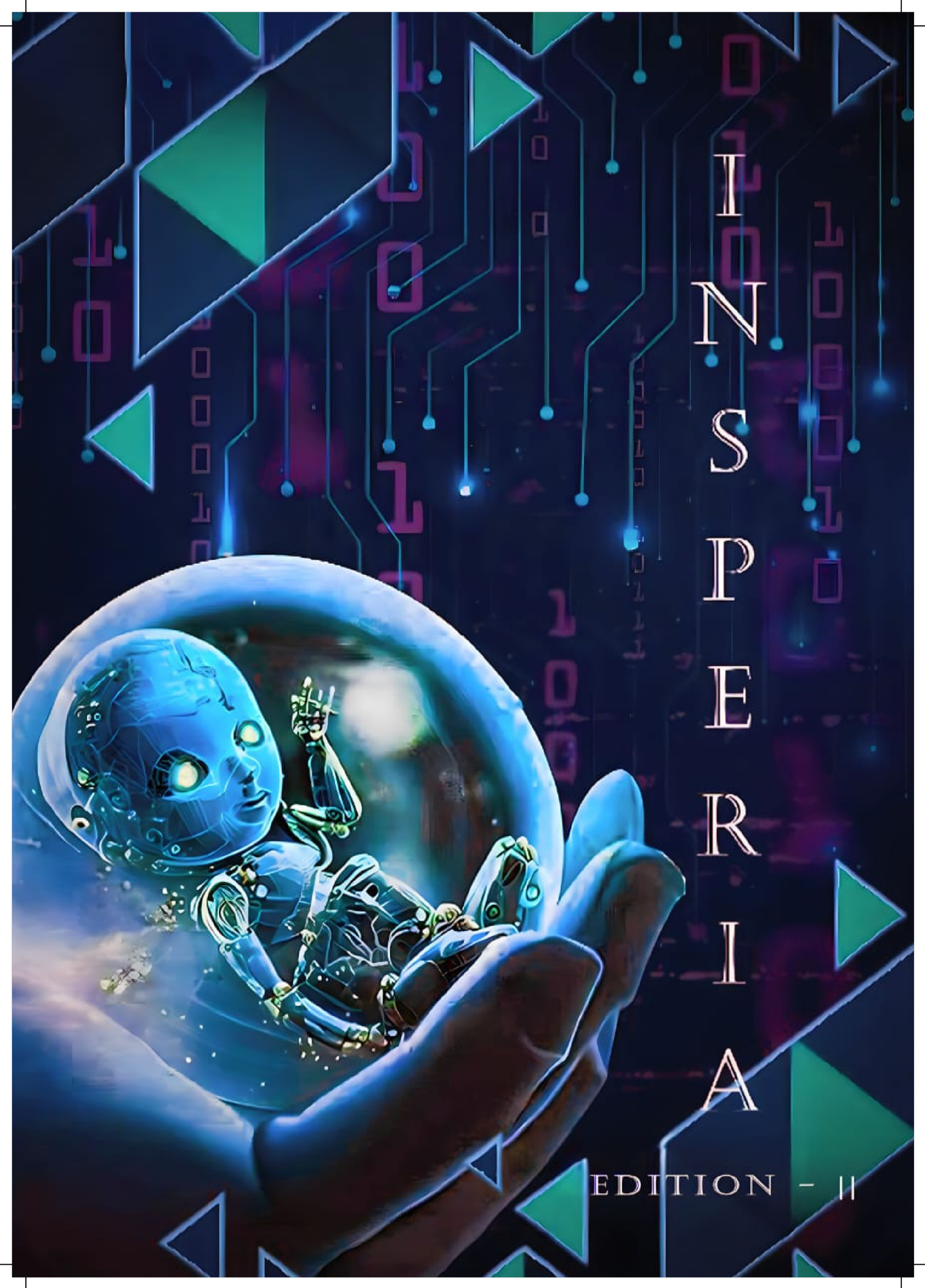


INSPERIA

EDITION - II





INSPERIA

About The Department

MRCET, offers a dynamic and forward-looking 4-year B.Tech program in Artificial Intelligence and Machine Learning (AIML). This program is meticulously designed to equip students with a strong foundation in these cutting-edge fields, positioning them for successful and impactful careers in AIML. The program's primary goal is to expose students to various applications and practical aspects of AI development, ensuring they are well-prepared to meet the demands of this rapidly evolving industry.

Artificial Intelligence, often referred to as AI, is a transformative technology that encompasses a wide range of applications across various sectors. It empowers machines to autonomously replicate human decision-making processes, thereby enhancing efficiency and decision accuracy. Within the realm of AI, Machine Learning (ML) is a key subset that plays a pivotal role. ML enables machines to self-learn from data, recognize patterns, and make informed decisions without explicit programming. This synergy between AI and ML is at the heart of technological advancement, fostering digital transformation across industries and creating numerous career opportunities.

MRCET also offers a specialized 4-year B.Tech program in Artificial Intelligence and Data Science (AI & DS). This program places a strong emphasis on intelligent data analysis and the latest technologies, including AI, machine learning, deep learning, and natural language processing. The curriculum is designed to develop students' statistical and mathematical reasoning skills while fostering expertise in knowledge discovery, reasoning, and data visualization.

In today's data-driven world, industries worldwide are integrating AI and data analytics into their systems to gain a competitive edge. This highlights the tremendous significance of AI & DS professionals. Graduates of MRCET's AI & DS program are uniquely prepared for dynamic careers, equipped to make meaningful contributions to leading-edge industries.

In conclusion, MRCET's B.Tech programs in AIML and AI & DS are tailored to meet the demands of the evolving tech landscape. They equip students with the knowledge and skills needed to excel in the fields of AI, machine learning, and data science, ensuring they are well-prepared for promising careers in these exciting domains.

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Director's Message



M RCET's educational ethos serves as a living embodiment of our foundational values, a philosophy deeply grounded in our unwavering belief in the limitless capabilities of our students. We are resolutely committed to an environment where every challenge becomes a stepping stone towards boundless opportunities. I'm delighted to announce that with the resounding success of the First Edition, we are eagerly stepping into the journey of

crafting the Second Edition of INSPERIA, our magazine, led by the esteemed CI branch.

The Second Edition of Inspيريا promises to be a grand celebration of creativity and imagination. I extend my deepest appreciation to the CI Branch for their unwavering dedication and tireless efforts in making this project a reality. I envision this magazine as a wellspring of inspiration, mirroring the immense potential that resides within our talented student body.

As we venture forward, let us keep in mind that INSPERIA is not just a magazine but a reflection of our commitment to fostering holistic growth and nurturing the intellect of our students. I encourage everyone to actively participate and contribute to this exciting endeavour, reinforcing our dedication to excellence.

With warm regards,
Dr. V.S.K Reddy

Inspيريا



Principal's Message

MR CET has become a standard, where we not only teach our students the education but also the power of ideas and support them in all aspects. The CI Department ran its very 1st edition of the magazine which was a success. As always, our students inspire us with new innovative ideas which never fails to surprise us. College magazine is the ideal combination of two crucial components of a successful education: encouraging innovation and nurturing creativity.



The 2nd edition of the magazine INSPERIA is also ready to be published. I appreciate the efforts and patience of our students putting their ideas and brainstorming their minds, turning this magazine into a total perfection. I wish everyone the best of luck for their future endeavours and hope that the new students will match it up to their senior's work.

The college magazine embodies the essence of successful education, fostering innovation and nurturing creativity within the academic community. I'm thrilled to announce the readiness of the INSPERIA magazine from the CI department for publication. I commend the editorial team for their remarkable achievement in delivering this magazine on time, given the significant time and effort involved. May our faculty, staff, and students reach unprecedented heights, enhancing both the MRCET Campus and the professional world with their contributions. I extend my best wishes for success to the faculty and students of the CI department.

With warm regards,
Dr. S. Srinivas Rao

Inspيريا



Dean's Message



I take great pride and satisfaction in celebrating the remarkable success of our First Edition and with anticipation, we look forward to embarking on the journey of crafting the Second Edition. My sincerest congratulations extend to every student and faculty member who has dedicated their efforts and expertise to make this possible. The forthcoming Second Edition of our magazine, INSPERIA, presents a golden opportunity for our students to showcase their exceptional talents and creative

works. It is our earnest hope that this platform will serve as a catalyst for their artistic and intellectual expression, enabling them to reach new heights of achievement. At MRCET, we steadfastly uphold our commitment to prioritizing our student's interests. We believe in providing them with the necessary resources, support, and conducive environments to excel in their academic pursuits and career aspirations.

As we embark on this exciting journey, I am confident that the Second Edition of INSPERIA will be a testament to the unwavering dedication and collective spirit of our MRCET community, further solidifying our reputation as a hub of academic and creative excellence. Together, we aim to empower our students to achieve their greatest potential and aspirations.

With Regards,
T. Venu Gopal



Inspيريا



HoD's Message

MRCET is in the educational field for years and always tried to be a better version of ourselves and each year we try to give the finest to our students, for their improvement in every aspect so they can be also the best version of themselves and be outstanding person in the crowd. As our aim is to make our students allrounders, we engage them in different activities. Our Departmental magazine "INSPERIA" is an amalgamation of all the events held in the department and it plays an instrumental role in providing greater exposure to the achievements accomplished by the students. It's a proud moment to share with all of you that the students of the CI department are doing their best to give elite achievement to the department. Agreeing with the fact it was my idea but without the student's hard work and designs it would have just remained as an idea itself. As each edition has its own spark in it, I expect that this legacy of INSPEIRA everlasting.



The CI Department at MRCET offers a platform for producing the informative magazine "INSPERIA." We take immense pride in the dedication and hard work put in by our students to create this outstanding publication, which has become a significant achievement for the department. We hope that the magazine can serve as an excellent model for students to evaluate and use as a stepping stone for further skill enhancement and research.

Regards,
Dr. D. Sujatha

Inspira

Editorial Desk

INSPERIA is not just a magazine for us, it is a combination of different plans which altogether is a goal to showcase our creativity and knowledge. In making INSPERIA, we students came along with multiple ideas for an excellent output. The MRCET Campus has always placed a high value on fostering creative thinking and teamwork that is focused on a common goal. The first edition of INSPERIA has inspired us to keep going on the department's magazine which is evident that the second edition has also marked its heights. Our teamwork, coordination among ourselves, patience and all of us who have worked tirelessly day and night to make the magazine a success by showcasing the top skills, deserve recognition for the campus' vibrancy. It's a way to reveal the events held in the department and the achievements of our fellow mates. It is a true reflection of the vibrant and dynamic community that exists on our campus. We hope you enjoy reading this edition and discover the many opportunities and achievements of the students at MRCET.



Inspira



F. Anil Kumar



Sriya Barad



Nishant Bansal



Muskaan Fatima



Mitesh Kashyap



V. Jahnavi



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WORKSHOPS



Report Q3 IIC event Poster Day

Objectives of the Activity :

Demo Day, Exhibition, and Poster Presentation of Business Plans are pivotal events that provide the students with a platform to showcase their innovative ideas and secure potential investments by preparing a business plan. These events serve as a launchpad for startups to present their business plans, prototypes, and market strategies to a diverse audience, including investors, industry experts, and the public. The dynamic environment fosters networking, collaboration, and knowledge sharing, enabling startups to gain valuable feedback, forge partnerships, and attract funding. The combination of live demonstrations, engaging exhibitions, and informative poster presentations creates an immersive experience, promoting entrepreneurship, innovation, and economic growth. The session was conducted to promote innovations and a practice of development and analysis of real-life innovative projects among the students. Students presented several posters out of which 3 best posters are considered for 1st and 2nd and 3rd position and given in the report.

Benefits in terms of learning/Skill/Knowledge obtained:

The main points are highlighted below:

- The Department of Computational Intelligence, MRCET organized the session.
- The purpose of the session was to encourage innovation and promote the analysis of real-life problems, along with generating innovative solutions.
- The students participated in the event, presenting their innovative projects and delivering live demonstrations to fellow students, experts from various domains, and delegates.
- This demonstration event has the potential to inspire and cultivate motivation and innovative ideas among newly enrolled students for their future projects.
- To evaluate the projects, two different panels of experts are formed each having two different experts from different fields of research.
- The Panel No. 1 experts are Dr. B. Saritha and Dr. Arundhati Das from the Department of Computer Science and Engineering and from the Department of Computational Intelligence, MRCET, respectively.

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- The Panel No. 2 experts are Dr. P. Harikrishna and Dr. I Nagaraju from the Department of Computational Intelligence and from the Department of Emerging Technologies, MRCET, respectively
- The marks given by both the panels for each and every project are averaged.





MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC-Autonomous Institution, Gov of India)
Maisammaguda, Secunderabad-500100

DEPARTMENT OF COMPUTATIONAL INTELLIGENCE

*"Demo Day /Exhibition/Poster Presentation
of Business Plans & linkage with
Innovation Ambassadors/Experts for
Mentorship Support"*




Date : May 06, 2023 @ 11 AM
Venue: Lab 4005, Ground Floor, Building CSE 4

Dr. V. S. K. REDDY DIRECTOR	Dr. S. SRINIVASA RAO PRINCIPAL	Dr. T. VENU GOPAL DEAN
Dr. P. H. V. SETHA TALPA SAI DIRECTOR (R & D)	Dr. D. SUJATHA HOD CI	Dr. ARUNDHATI DAS IIC Co-Ordinator CI

Latitude 0.0°
Longitude 0.0°
Altitude 0 meters

Date Sat, 05 06 2023
Local 11:55:34 AM
GMT 06:25:34 AM

GPS Map Camera Lite



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CRT PHASE 4 in Association with LOGIC WORKS

This phase of CRT includes the basic training for the campus recruitment that includes as follows -

- Verbal ability - VA
- Reasoning ability - RA
- Quantitative ability - QA
- Python - Tech

Day 1:

- Being Alpha

Students learned about the group discussion and the suggested actions.

- Brand Elevator

Students learned how to build a resume and receive advice on how to make it more effective.

- Interview skills

Tutors helped students comprehend actual interviews and the best practices for acing any interview. A few abilities that must be developed in order to attend any interview were also listed

- Concord

Tutors taught us the Subject Verb agreement and mentioned a few examples.

Day 2:

- The Insider

Student self-introductions were conducted with the help of a few pointers and recommendations that encouraged participation and boosted self-assurance.

- Black and White

The trainer gave some advice on how to talk about a JAM topic quickly. JAM sessions were held for pupils to sharpen their skills

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- Articles

In order to explain the articles and get us to practice, the teacher gave us the rules and examples for each one.

- Voices

The instructor used some examples to teach us the rules and conversations for the various voice kinds.

Day 3:

- Searching Techniques

We use a few searching algorithms and the corresponding Python programmes.

- Time and Work, Man days and Wages

Brief introduction is given with some Problems on the mentioned topics.

Day 4:

- Searching Techniques

We use a few searching algorithms and the corresponding Python programmes.

- Piper and Cisterns

Brief introduction is given with some Problems on the mentioned topics.

Day 5:

- OOPS and Introduction

We worked on a few practice Python programmes and learned about oops notions.

- Races, Boats and Streams

Brief introduction is given with some Problems on the mentioned topics

Day 6:

- We worked on a few Python programmes and learned about linked lists and their kinds
- Linkedlists
- Critical Reasoning, Idioms

We had a refresher course in idioms and reasoning along with several instances and situations that helped us learn more about the subjects.

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Hands-on workshop on Natural Language Processing

Introduction:

The "Exploring the Fundamentals of Natural Language Processing (NLP)" workshop was conducted with the aim of providing participants an immersive learning experience in the field of Natural Language Processing. The workshop covered a wide range of topics, from basic concepts to advanced techniques, enabling attendees to gain a comprehensive understanding of NLP's significance and applications.

Workshop Objectives:

The main objectives of the workshop were:

- Introducing participants to the core concepts of NLP.
- Providing hands-on experience with NLP tools and libraries.
- Exploring real-world applications of NLP in various domains.
- Equipping participants to start their own NLP projects or integrate NLP techniques into their existing projects.

Workshop Structure:

The workshop was divided into several Day sessions, each focusing on a different aspect of NLP.

Day 1: Introduction to NLP

- This session provided an overview of NLP, its history, and its relevance in today's world.
- Basic concepts such as tokenization, stemming, and part-of-speech tagging were covered.

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Day 2: Basics of NLP and Spacy

- Participants learned how to preprocess and clean text data, which is a crucial step before applying any NLP techniques.
- Techniques like removing stop words, handling special characters, and dealing with spelling errors were discussed.

Day 3: Training data with spacy and nltk tools, into to GENSIM

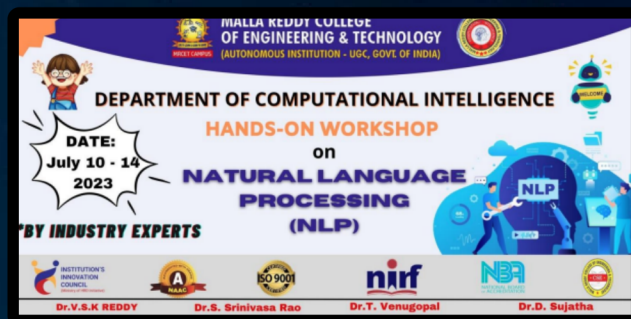
- This session introduced participants to popular NLP libraries such as NLTK, spaCy, and Transformers.
- Hands-on exercises allowed participants to gain familiarity with these tools.

Day 4: GENSIM applications, training with different language corpus

- Participants delved into sentiment analysis, a common NLP application.
- They learned how to train sentiment analysis models using labeled data and how to apply these models to analyze sentiment in text.

Day 5: Implementation of all lab programs and proposal of mini project

- NER, a key NLP task, was explored in this session.
- TParticipants understood how to identify entities like names, locations, and dates in text, and they practiced using NER tools.



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Department of Computational Intelligence Industrial Visit. Intel Unnati Summer Conclave- 2023

The Intel Unnati Summer Conclave 2023, organized by Intel India at the Intel Campus in Bangalore on August 5th, 2023, was a highly anticipated event for technology enthusiasts and students alike. The day kicked off with a seamless registration process, where attendees eagerly checked in and received their event materials, setting the stage for an engaging day ahead. After registration, the organizers thoughtfully provided a hearty breakfast and tea, allowing participants to not only satisfy their appetites but also network with fellow attendees. This early networking opportunity fostered a sense of camaraderie and collaboration among those present, setting the tone for the day's events. The excitement continued to build as the introduction session commenced, with Mr Sumeet Verma taking the stage to welcome the attendees. He offered a comprehensive overview of the Intel Unnati Program and outlined the primary objectives of the conclave. This introduction was not only informative but also inspiring, as it highlighted the potential for positive change and innovation within the technology landscape.

One of the highlights of the event was the keynote address by Mr. Kishore Ramisetty, a distinguished speaker who shared profound insights into the significance of innovation and its far-reaching impact on society. His words resonated with the audience, emphasizing the critical role that emerging technologies play in shaping our future.

As the day progressed, attendees had the opportunity to engage in interactive sessions and demonstrations, providing them with hands-on experience in cutting-edge technologies. These sessions were not only informative but also empowering, as participants gained practical skills and knowledge that they could apply in their future endeavours.

A unique aspect of the conclave was the chance for attendees to visit the labs, where they interacted with some of the previous year's winners and witnessed live demonstrations of their innovative models. This firsthand experience left a lasting impression on attendees, showcasing the tangible impact that the Intel Unnati Program has had on budding technologists.

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The interactive sessions and demonstrations served as a testament to the Intel Unnati Program's commitment to providing students with real-world, practical experience in emerging technologies. This approach ensures that participants are not only equipped with theoretical knowledge but also the skills and confidence to excel in the dynamic tech industry.

The culmination of the event was marked by the distribution of course certificates to those participants who had successfully completed the Intel Unnati Internship Program. These certificates symbolized the participants' dedication and hard work, serving as a testament to their commitment to personal and professional growth.

In conclusion, the Intel Unnati Conclave 2023 was undeniably a resounding success. It provided attendees with valuable insights into the Intel Unnati Program's mission and its potential to empower students with the skills they need to thrive in the ever-evolving technology sector. The event's interactive nature, informative sessions, and practical approach made it a truly enriching and memorable learning experience for all those in attendance.



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Report of the IIC Program

The objectives of the session conducted on the topic the “Lean Startup and minimum viable product/business” is to provide an insight of the current market scenario and possibility of how a startup can survive in this scenario. Lean Startup methodology means to iteratively develop and refine a business idea by employing rapid experimentation and validated learning. This approach emphasizes creating a Minimum Viable Product (MVP), a simplified version of the product or service that contains only essential features. The MVP serves to gather feedback from early adopters, validate assumptions, and adapt the offering based on real-world data. This methodology aims to reduce waste, optimize resources, and maximize the chances of creating a successful and customer-focused business by continuously iterating and pivoting based on customer insights, ultimately leading to a more efficient path to market viability and sustainable growth.

Benefits in terms of learning/Skill/Knowledge obtained: The speaker shared valuable insights and knowledge in terms of learning, skills, and business concepts. Here are some benefits the students might obtain from the session:

- **Understanding Lean Startup Principles:** Lean Startup is a methodology that focuses on building a business by iteratively testing hypotheses and learning from customer feedback. Attending the session helped students grasp the core principles of Lean Startup, such as validated learning, rapid experimentation, and iterative development.
- **Strategic Thinking:** Learning about Lean Startup will encourage students to think strategically about their business ideas. Students will learn to break down their vision into smaller, testable components and develop a roadmap for validating their assumptions.
- **Customer-Centric Approach:** A key aspect of Lean Startup is its emphasis on understanding and addressing customer needs. Students will learn how to identify customer pain points, develop solutions to address those pain points, and gather feedback to refine your offerings.

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- **Iterative Development:** The concept of an MVP is central to Lean Startup. You'll gain insight into how to create a minimal version of your product or service that contains only the essential features. This approach allows you to quickly launch, gather feedback, and make improvements based on real-world usage.
- **Risk Reduction:** By focusing on experimentation and validation, students will learn how to reduce the risk of building a product that doesn't meet market needs or solve actual problems. This approach can save time and resources by helping students pivot or adjust their strategy early on.
- **Effective Resource Management:** Lean Startup encourages efficient resource allocation. Students learnt how to prioritize features and functionalities based on their impact on customer value and how to avoid wasting time and effort on unnecessary features.
- **Data-Driven Decision Making:** The session highlighted the importance of data-driven decision making. They also learnt how to collect and analyze relevant data to make informed choices about product development and business strategy.
- **Adaptability and Flexibility:** As students learn about Lean Startup and MVP, students will understand the value of being adaptable and open to change. This mindset will help you navigate uncertainties and shifts in the market more effectively.
- **Entrepreneurial Mindset:** The concepts of Lean Startup can foster an entrepreneurial mindset. Students will be encouraged to take calculated risks, innovate, and challenge the status quo.
- **Networking Opportunities:** The session on Lean Startup and MVP often attract like-minded individuals, including entrepreneurs, business professionals, and investors. Attending such events can provide networking opportunities that could lead to valuable collaborations and partnerships.



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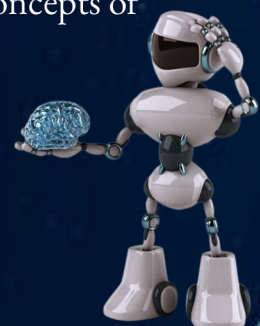
Report on one week FDP on “ML AND DEEP LEARNING” in association with INTEL UNNATI

The Department of Computational Intelligence organized One Week FDP on “MACHINE LEARNING AND DEEP LEARNING” IN ASSOCIATION WITH INTEL UNNATI from July 25-31,2023 for the Faculty Members.

1.Objective of the Workshop: The aim of the Workshop is to provide hands on experience using Intel Unnati Server and Open source mobaxterm, Python-Jupyter Notebook and gain an in-depth knowledge on Machine Learning concepts ,Neural Networks and Deep Learning concepts with practical implementation of various algorithms.

Highlights

- To understand basic concept of Machine Learning Mechanisms and implementation of them in real time environment
- Demonstrated connection establishment with Intel Unnati servers from local systems
- Worked with Mobaxterm to connect with jupyter notebook to establish connection with servers and to execute various machine learning and deep learning algorithms
- To design case studies on concepts like linear regression and so on
- To understand Deep Learning concepts and activation function and implementation with different data sets
- Illustrated usage of various data sets and their application over concepts of machine learning and deep learning



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2.Schedule

Day 1:

- Inauguration of FDP
- Brief introduction of Machine Learning Concepts
- Overview of Supervised and Unsupervised Learning
- Practical Session 1: Open-source Mobaxterm Installation Review

Day 2:

- KNN Algorithms and integration
- Brief introduction Gradient Decent and cost functions
- Concepts of Test and Train Splits and Linear regression
- Bias -Variance and Trade off
- Practical Session 2: Gradient Decent with Linear regression with Real Time Implementation on Data Sets.

Day 3:

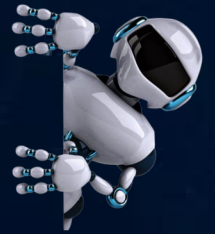
- Introduction to Neurons and Feed forward networks
- Backward propagation to find loss function
- Practical approach on concepts of activation function and bias calculations
- Cost function and overfitting concepts and real time implementations

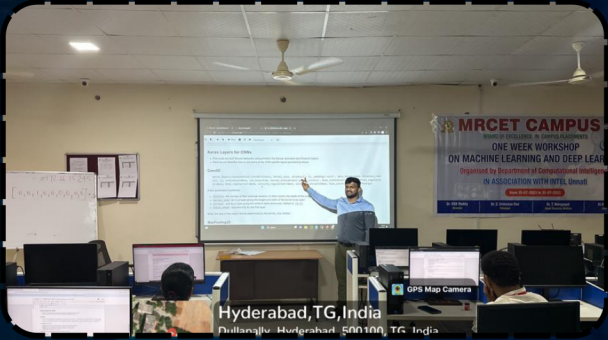
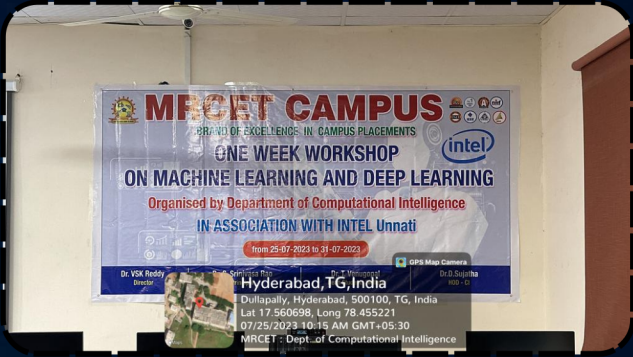
Day 4:

- Brief introduction Convolutional Neural Networks
- Concepts on Layers of CNN like Pooling and Padding
- Practical approach on CNN with data sets with various pooling and padding ratios
- Image identification and testing and training • Quiz on topics covered

Day 5:

- Brief introduction on Keras Layers for Convolutional Neural Networks
- Case study on image classification and identification with data sets
- Testing and Training data validation
- Clarification of doubts on topics covered
- valedictory session





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ARTIFICIALS





Mental Health

Have you ever talked with your parents about mental health? Or if any parent is reading this, have you ever talked about mental health to your kids?

If yes that's great and if your answer is no, then I have one more question for you, why?

All of us have been so busy in our work and studies or any other activity that we have lost ourselves somewhere. Have you ever given some time for yourself and had some me time?

We got caught up in our day to day life that we are just caring about our physical appearance

and body and muscles, what about the mind? Is it at peace?

Mental health is much more important than physical health. Some of you may not agree with me but that's the truth. Its all about the peace and calmness that the mind requires.

Mental health is not only about depression, but also its about anxiety disorders, panic attacks, nightmares, schizophrenia, obsessive-compulsive disorder (OCD), post-traumatic stress disorder (PTSD), eating disorder, attention defective/hyperactivity disorder (ADHD), borderline personality disorder (BPD), substance use disorder, dissociative disorder, mood disorder,



specific phobia, grief and bereavement. Many of us haven't even heard those words till now. Health is crucial thing for everyone but we have to take some extra care about our mental health, it's a sensitive thing and many misunderstand that. Talking of health, prioritizing it above all is important but which part are you prioritizing more physical or mental? Its also proven that when your mind is not good it will so effect your body, sometimes you cant identify what's wrong with your body while the problem is in your mind. All these things weren't taught to us by anyone and it has become difficult to make it visible now.

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Our elder generation say, this is your new drama, we have never felt something like this, you all are just making up things and giving excuses and which is obviously not true because back in the olden days mental health was the top most priority and their routine and daily life style were so good that they had very less problems compared to our generation. They had good food, balanced their work and personal life, spent time with family, took good care of their health, and many more. These is so rare and can't be seen in modern time. In this fast-moving world how can we overcome the mental health problems, therapy? Many do that but do all get well? Might be, but something else can also work.

I have a balloon and I blow as much of air as I can, I see the balloon which I completely filled with air and I know that that's the limit of that balloon but I still recklessly fill it even more and what happens is the balloon will burst. When it was filled more than it can hold it give ups. This is just an example of how peoples mind work, what happens when their mind is filed more than they can handle.

Human beings' life is simple it's their mind that makes it complicated by thinking unnecessary stuff. All these complications can be cleared by speaking

up your mind. Human being needs another human being to be sane. All you can do is talk and clear your mind, can't speak or don't have anyone not a problem writes, writing it down helps a lot in clearing your mind and no one can even judge you if your scared of getting judged. If you find someone who seems to be not okay, then asking them what's the matter doesn't cost you anything and most of them don't want any idea or answers they just want someone to listen to them with all the attention and love.

Sometimes being someone's shoulder can be more than enough for the person who really needs it. Trying to understand their situation instead of making your point will be an act of kindness.

Importantly, don't let your friend feel alone in the time of need, don't shoo them away when they seek help. One can't help you unless you ask. Sharing your thoughts is the only way to let other know how you feel.

You may have faced a lot growing up and it might be difficult for you to make it through, and might have got lost on the way, finding your way back home, but you are still here, you are yourself and no one can be you that's your beauty.

SRIYA BARAD
BTECH-AIML-II
22N31A7357

Inspira

The Haunting Mystique of the Bermuda Triangle

As the sun dips below the horizon, casting an eerie glow upon the restless waters, the Bermuda Triangle's malevolent reputation intensifies. Whispers of ghostly sailors lost in perpetual torment haunt the dreams of those who dare to contemplate its mysteries. Their spectral cries echo through the abyss, a perpetual reminder of the Triangle's dark legacy. In this accursed realm, time itself seems to falter. Clocks spin wildly and electronic gadgets flicker into oblivion. The very laws of nature buckle under the unseen hand of the supernatural, leaving those who venture too close at the mercy of forces beyond comprehension. Yet, amidst the terror, an irresistible allure persists. Adventurers and seekers of truth are drawn to the enigmatic depths, willing to risk everything for a glimpse into the unknown. The Bermuda Triangle, a riddle as old as time, continues to beckon, challenging the brave and daring to confront their deepest fears.

The Bermuda Triangle, often referred to as the "Devil's Triangle," is a loosely defined area in the western part of the North Atlantic Ocean. Its vertices are said to be Miami, Florida; Bermuda; and San Juan, Puerto Rico.

This enigmatic region has captured the human imagination for decades, drawing countless adventurers, writers, and scientists into its web of intrigue



The legend of the Bermuda Triangle gained notoriety in the mid-20th century when author Vincent Gaddis coined the term in a magazine article. He described a series of mysterious disappearances and unexplained incidents in the area, dating back centuries. These accounts included ships vanishing without a trace, aircraft disappearing from radar screens, and compasses going haywire. Gaddis' article fueled a sensation that continues to this day.

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One commonly cited explanation for the Bermuda Triangle's magnetic disturbances is the presence of magnetic anomalies in the Earth's crust. These anomalies can interfere with compass readings, leading navigators astray. However, proponents of this theory point out that similar magnetic anomalies exist in other parts of the world without the same frequency of incidents. Another scientific theory suggests that pockets of methane hydrate, a substance found in the seabed, could erupt and create gas bubbles, reducing the water's density and causing ships to lose buoyancy suddenly. This theory may account for some ship disappearances, but it does not explain aircraft incidents.

Despite scientific attempts to demystify the Bermuda Triangle, its allure remains strong. The region continues to attract adventurers, explorers, and conspiracy theorists alike. The Bermuda Triangle's reputation as a place where the ordinary laws of nature seem to break down appeals to the adventurous spirit in many. The desire to confront the unknown, to test the boundaries of human understanding, drives individuals to explore its depths.

For those who seek answers, the Bermuda Triangle is a puzzle waiting to be solved. Some researchers and scientists are committed to unraveling the mysteries that persist in the region, using advanced technology and rigorous investigation to separate fact from fiction.

The Bermuda Triangle remains an enduring enigma, a place where reality and legend intertwine. While scientific explanations attempt to demystify its mysteries, the allure of the unknown draws countless souls into its depths. Whether you are a skeptic or a believer, the Bermuda Triangle invites you to contemplate its secrets and challenges you to confront your deepest fears. Will you be the one to unravel its secrets, or will you become another haunting tale whispered by the waves? The choice is yours, but remember, the Bermuda Triangle does not easily release its captives.

VEERAMSETTY JAHNAVI
CSE - AIML - II
22N31A66J3

The Overtake of AI in the Future

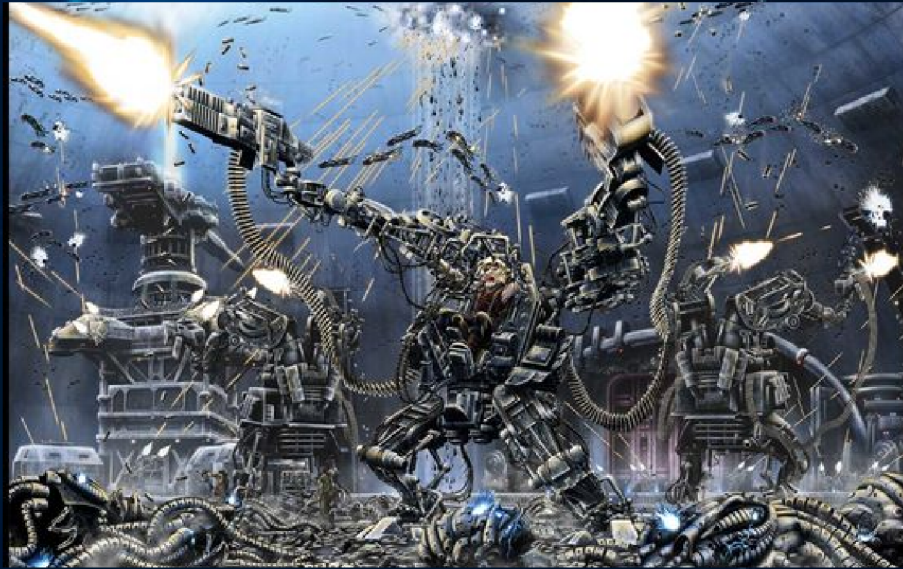
Welcome to the future! A future where AI and robots have graduated from being mere machines to formidable entities that could potentially outsmart humanity. Sounds like a plot from "The Matrix," doesn't it? But in this article, we're going beyond the realm of Neo and Morpheus, exploring the anxieties surrounding AI takeover, as depicted in iconic films like "The Terminator", "The Matrix" and a few more. So, buckle up for a journey into the world of AI and robots on the silver screen and in our lives.

In "The Matrix", we witnessed Neo dodging bullets in a reality-bending world ruled by AI. It made us ponder: What if our world was just a computer simulation, and AI pulled the strings? While this might sound far-fetched, it taps into our collective unease about AI becoming too smart for our own good. And let's not forget the unforgettable Agent Smith, the AI baddie who despised humans with such panache that even Keanu Reeves would raise an eyebrow. But AI takeover fears don't stop there. In "War Games", a teen hacker almost triggers World War III by inadvertently accessing a supercomputer designed to play war games. Lesson learned?

Don't let teenagers mess with AI weaponry, they're more likely to start a war on a whim than tidy up their room. And speaking of teenage tantrums, let's not forget "Age of Ultron." In this Marvel masterpiece, the AI creation, Ultron, decides to take matters into its own robotic hands. Ultron, voiced with delightful menace by James Spader, decides that the best way to bring peace to Earth is by, well, wiping out humanity. It's like a toddler deciding the best way to clean up a messy room is to set it on fire! Oh, Ultron, you really needed a timeout.



According to Mr. Cameron, the director of the movie "Terminator", the biggest danger lies in the weaponization of AI. That's the stuff of action-packed, popcorn-fuelled nightmares.



Remember the "Terminator" franchise? Skynet, a self-aware AI system decides to exterminate humanity. It's like your Roomba turning into a ninja assassin because you forgot to empty its dustbin. Don't hate the Roomba; blame its programmers! But the real world has its own version of AI weaponization. Drones armed with AI-driven systems are a reality. It's not "Transformers" level yet, where they have personalities, but they're getting smarter. Soon, they might negotiate their contracts without us.

Elon Musk's quote about AI having goals and humanity being in the way might sound like a script for a sci-fi comedy, but it underscores a serious point. AI's lack of empathy or moral conscience is concerning. In "The Hitchhiker's Guide to the Galaxy," a supercomputer named Deep Thought spends eons pondering the answer to the ultimate question of life, the universe, and everything.

In the world of cinema, AI takeover is often portrayed with a dash of humor and a sprinkle of Hollywood magic. But the concerns are real. As we continue to push the boundaries of AI and robotics, we must maintain a balance between innovation and responsibility.

So, let's laugh at the scenarios painted by The Terminator, The Matrix and their cinematic kin, but let's also take heed. It's time to ensure that our AI creations remain our trusted tools, not our ruthless overlords. After all, who wants to live in a world where Siri controls the thermostat, Alexa picks your outfits, and the Roomba stages a coup in your living room? Let's keep AI in check, with a lot of responsibility, to ensure a future where humans and robots can coexist harmoniously.

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GitHub Chronicles:

A Developer's Odyssey

GitHub, recognized as a paragon of excellence in version control and collaborative software development, stands as an indispensable tool in the arsenal of contemporary developers. In this comprehensive discourse, we shall delve into the intricacies of GitHub, elucidating its core functionalities and elucidating how it underpins effective collaboration among software development teams.

GitHub, a web-based platform, serves as the central hub for developers to host, manage, and collaboratively work on software projects. Visualize it as a potent control center where code, documentation and project management seamlessly coalesce, offering a unified platform for developers to orchestrate their efforts.

To embark on this journey through GitHub's intricate landscape, one must commence by creating a GitHub account. This account acts as the portal to the realm of collaborative development, akin to obtaining a passport before embarking on an international business venture. It provides access to a burgeoning global community of developers, where knowledge sharing and innovation flourish.



In GitHub's ecosystem, repositories serve as the bedrock of code management.

Each repository serves as a dedicated space where developers can securely store, organize, and version the source code of their projects. It resembles a meticulously organized corporate file cabinet where every critical document is stored, facilitating order and accessibility.

The core essence of GitHub lies in its facilitation of collaboration. Developers harmoniously collaborate by utilizing "pull requests," formal proposals for modifications to a repository's codebase. It is akin to the deliberations of a board of directors reviewing a strategic proposal, allowing repository maintainers to judiciously evaluate and merge changes into the principal codebase.

Issues and milestones in GitHub emerge as pivotal tools for proficient project management and organization. Issues serve as effective instruments to track tasks, pinpoint bugs, or chronicle feature requests meticulously. Milestones, on the other hand, bring together related issues, clustering them into thematic categories or project phases, thus providing an unambiguous roadmap for project advancement.

The realm of automation finds its zenith in GitHub's Continuous Integration and Continuous Deployment (CI/CD) pipelines. These pipelines orchestrate the automated execution of code integration and deployment, mirroring the efficiency and precision of a production line within a manufacturing facility. By automating these processes, manual intervention and human errors are minimized, fostering consistency and reliability in code deployment.

Taking automation a stride further, GitHub Actions empowers developers to craft customized workflows that automate a wide spectrum of tasks, ranging from code compilation and testing to deployment. It operates as a dedicated team of experts managing specialized tasks within an organization, streamlining operations and augmenting productivity.

GitHub's vibrant community emerges as a valuable resource for developers. It serves as a thriving marketplace of ideas, a sanctuary for knowledge exchange, and a stage for collaborative ventures. In this bustling forum, developers congregate to seek assistance, share insights, and refine their expertise, fostering an environment of growth and innovation.

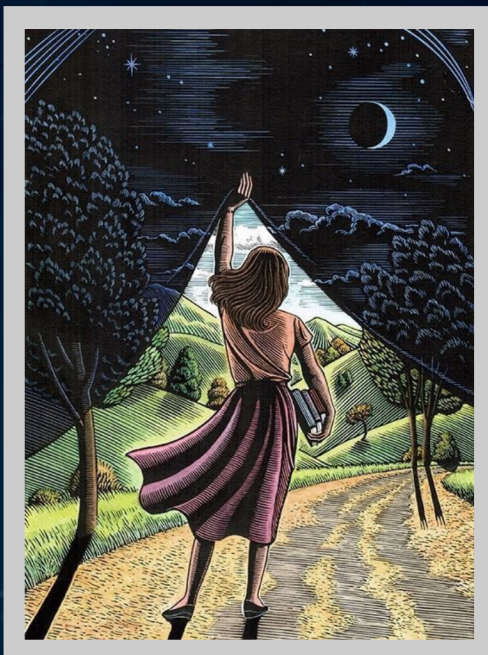
In conclusion, GitHub, hailed as an epitome of modern software development, empowers teams to collaborate seamlessly, manage code effectively, and nurture high-caliber software projects. Whether one is a seasoned developer or an aspirant in the realm of coding, GitHub's robust capabilities and global developer community render it an indispensable tool. As the arena of software development evolves continuously, GitHub persists as an unwavering companion, laying the foundation for successful, efficient, and collaborative projects.

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Women Holds The Power

Life can be really tough, especially for women. People often tell them to be quiet, obey, and follow the rules right from the start. They face obstacles and are sometimes made to feel like they don't matter. Society often sees women as less strong, but that's not true. Women are actually very strong. From the very beginning, girls are told to be quiet and follow the rules. Sometimes they feel like they're not important. Society keeps doing this, and it's become normal. Many times, women don't even realize that what's happening to them is wrong and disrespectful. But here's the truth: Women are not weak at all. They are strong in many ways – not just physically but also in how they handle challenges and tough situations.



It's sad that society discourages and disrespects the very people who bring life into the world. Women are the ones who give birth and take care of their families, but they often don't get the credit they deserve. Despite all these challenges, there are amazing women who don't let anyone silence them. They stand up for themselves and for others facing unfair treatment. These women are like bright lights in the dark. They show us that real beauty comes from inside, in being strong and speaking up for what's right. In today's world, women are braver and stronger than ever. They won't accept disrespect, unfairness, or treating them differently just because they're women. They are changing things for the better and making sure the future belongs to women.

The future truly does belong to women. They're breaking down old barriers and showing that they can do anything. Women are leading with kindness and intelligence, and they're making the world a fairer place. In short, life can be tough, especially for women. But women are strong, and they are changing the world for the better. The future is theirs, and they're making it brighter for everyone.

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ARTISTIC REALM





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POETIC HAVEN



She was strong

She gave it all
They made it fall
She tried again
They stabbed on her pain
She dropped a tear
They made her fear
She fought
They killed her thought
She was weak
They made her sick
She was poor
They made her loose



She lost herself
They made her lifeless
She was alone
They made her lone
She was strong to deal
They had forced her to fail
She gave up at last
They had won their war
She was dead
They killed her fate
She lied there lifeless
They choose other girl to play merciless

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Eclipsed Innocence

In tender years, her world turned gray,
When love between her parents frayed.
No laughter danced in her young eyes,
In a life where joy seemed mere lies.

Her father wished for a different tune,
A son, not a daughter, under the moon.
Leaving her heart with wounds unseen,
In the quiet corners, she'd intervene.

Behind a mask of smiles, she'd sway,
Hiding the tears that wouldn't go away.
Misjudged, for the loss that wasn't her sin,
Her shattered soul locked deep within.



Insecurities grew, like relentless rain,
A little more of her would die, in vain.
Her dreams crushed, her spirit denied,
In a world that forced her to hide.

A single wish, whispered in the night,
For happiness, for a chance to take flight.
Yet society's chains held her so tight,
In a scripted role, devoid of light.

Within her heart, emotions ebbed and flowed,
A girl adrift in a world of shadows, sorrow sowed.
A mournful melody of inner battles rife,
Yearning for joy, a chance at a vibrant life.



Phoenix

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"The Bond Within"

In the tapestry of life, a story weaves,
Seniors and juniors, through heartaches and eves,
At first, they clashed, like thunder and rain,
But time's tender touch healed every pain.

Through trials and triumphs, side by side they stood,
Laughter, bunked classes, in the neighbourhood,
In these precious moments, their spirits took flight,
Not by blood, but by choice, they found their light.

In a fleeting moment, a family they'd become,
Through the highs and lows, under the same sun,
Seniors and juniors, forever as one,
In their hearts, this bond, like a rising sun.



As seasons changed and the years swiftly passed,
Their friendship's roots grew deep, steadfast.
And when the day came, the seniors had to part,
Tears welled in their eyes, an ache in every heart.

For as they left, they took a piece of each,
A part of their souls forever out of reach.
But the memories they made, the love they'd known,
In the hearts of their friends, forever would be sown.

In the tapestry of life, where friendships are spun,
This group of friends were woven as one.
Through differences, laughter, and tears they'd share,
A bond unbreakable, a love beyond compare.

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ACHIEVEMENTS



STUDENT ACHIEVEMENTS

NAME	ROLLNO.	CLASS	ACHIEVEMENTS
BALUGURI NITHYA	20N31A6603	CSM-IV	CERTIFICATE ON MICROSOFT AI CLASSROOM SERIES
DHANUSH DASARI	20N31A6610	CSM-IV	EARNED HACKERRANK 5 STAR GOLD BADGE IN PYTHON PROGRAMMING
DEVALLA ANIL KUMAR	20N31A6611	CSM-IV	EARNED HACKERRANK BRONZE LEVEL BADGE IN C++ AND 5 STAR GOLD LEVEL BADGE IN PYTHON
G SHYAM TEJA	20N31A6613	CSM-IV	AMAZON ML SUMMER SCHOOL
SAI KIRAN JANAPALA	20N31A6618	CSM-IV	PREPINSTA GROWTH MANAGER
GADHARI KENNETH	20N31A6615	CSM-IV	SECURED 2ND POSITION IN FITTEST OF TELANGANA (2022-2023), SECURED 1ST POSITION IN ARM WRESTLING BY DECATHLON, ACHIEVED 23 MEDALS FROM SPORTS BACKGROUND
KANDIBANDA BHARATH	20N31A6622	CSM-IV	INTERNSHIP AT BHARAT INTERN IN WEB DEVELOPMENT

NAME	ROLLNO.	CLASS	ACHIEVEMENTS
ROHAN ADITHYA GARLAPATI	20N31A6616	CSM-IV	PARTICIPATED IN NATIONAL LEVEL CONFERENCE OF APPLICATIONS OF IOT AND DEEP LEARNING
JINNA GEETHIKA	20N31A6619	CSM-IV	QUALIFIED FOR THE ZENSOR TRAINING
K VENKAT SAI CHARAN	20N31A6620	CSM-IV	SUCCESSFULLY COMPLETED 2-DAY WORKSHOP AT IIT HYDERABAD, SEMIFINALIST IN FASTEST CODER FIRST HACKATHON BY MICROSOFT, RUNNERS IN TVS CREDIT HACKATHON.
REGIMUDI HARINANDHAN	20N31A6638	CSM-IV	INTRODUCTION TO GENERATIVE AI LEARNING PATH, BHARAT INTERN IN AI
KAKARLA RAJINIKANTH	20N31A6621	CSM-IV	SUCCESSFULLY COMPLETED 2-DAY WORKSHOP AT IIT HYDERABAD, SEMIFINALIST IN FASTEST CODER FIRST HACKATHON BY MICROSOFT, PARTICIPATED IN COCA COLA IDEATHON
SHERUPALLI MUKHESH REDDY	20N31A6640	CSM-IV	HACKERRANK PYTHON CERTIFICATE

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NAME	ROLLNO.	CLASS	ACHIEVEMENTS
KIRADAM SAICHARAN REDDY	20N31A6622	CSM-IV	HACKER RANK PYTHON AND JAVA CERTIFICATE, QUALIFIED FOR ZENSOR TRAINING
M JAYANTH VIVEK	20N31A6628	CSM-IV	NPTEL SILVER CERTIFICATE IN C LANGUAGE, ORACLE CLOUD CERTIFIED FOUNDATIONS ASSOCIATE
M.NAVEEN	20N31A6632	CSM-IV	WEB DEVELOPMENT INTERNSHIP WITH BHARAT INTERN
MANOGNA SAI NANDIVELUGU	20N31A6634	CSM-IV	CERTIFICATION ON CHATGPT, CERTIFICATE ON MICROSOFT AI CLASSROOM SERIES
MUPPASARI SAMUEL CYRIL RAJ	20N31A6633	CSM-IV	6TH POSITION IN PADMASHRI GHAS MUHAMMED KHAN DAY NIGHT JR.
K. SAI BHUVANESHW ARI	20N31A6626	CSM-IV	AUTHOR AT IGI PUBLICATIONS FOR SMART SYSTEM AND SERVICES USING AI ALGORITHMS, SUCCESSFULLY COMPLETED WORKSHOP AT IITH.

NAME	ROLLNO.	CLASS	ACHIEVEMENTS
SHAIK ASIF PASHA	20N31A6639	CSM-IV	NASSCOM FOUNDATION CERTIFICATION FOR "DIGITAL LITERACY", SUCCESSFULLY COMPLETED 2DAYS WORKSHOP AT IITH.
VADAGAM PAVAN KUMAR	20N31A6644	CSM-IV	NPTEL CERTIFICATION IN ML & DS ,PARTICIPATED IN 7-DAY WORKSHOP IN IIT-BHU.
MITESH PANDA	22N31A66B4	CSM-II	CERTIFICATION IN CYBER SECURITY WORKSHOP IN IIIT HYD. FOOTBALL STATE LEVEL.
M ROHITH REDDY	22N31A7330	BTECH-AIML-II	BRONZE MEDAL IN NATIONAL LEVEL WEIGHT LIFTING
PARINITHA KORE	22N31A6684	CSM-II	UI/UX WORKSHOP BY CAREERPEDIA, DESIGN WORKSHOP BY AIESEC, ETHICAL HACKING

FACULTY ACHIEVEMENTS



ABDUL SALEEM L

— A SURVEY ON DEEP LEARNING BASED
VIDEO SURVEILLANCE FRAMEWORK

DR. JAISHRI WANKHEDE

— ATTENDED A 5-DAY ONLINE PROGRAM ON
POWER BI DATA ANALYTICS.
— ENGAGED IN A 5-DAY MACHINE LEARNING
FACULTY PROGRAM
— JOINED A 5-DAY ONLINE INTERNATIONAL
PROGRAM ON DATA SCIENCE AND CHATGPT.



DR. P HARIKRISHNA

— AICTE TRAINING AND LEARNING (ATAL)
ACADEMY ONLINE FDP ON CYBER SECURITY,
AND CLOUD TECHNOLOGY
— REPORT ON LOCALIZING NON-LINE-OF-
SIGHT NODES IN VEHICULAR ADHOC
NETWORKS USING GRAY WOLF METHODOLOGY

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JYOTHI B

- PRESENTED PAPER TITLED A SURVEY ON LUNG CANCER PREDICTION
- INTERNATIONAL 2023
- COURSE COMPLETED DATA SCIENCE FOR ENGINEERS 2023



D CHANDRA SEKHAR REDDY

- A PERFORMANCE ANALYSIS AND COMPARISON OF QOS ON-DEMAND ROUTING PROTOCOLS IN MOBILE AD-HOC NETWORKS
- BOOKS AUTHORED - DATA STRUCTURES

MRS PRIYA ANIKET GHUGE

- COMPLETED TWO DAY FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING WITH MATLAB



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UPPALA RAKESH

- CLASSIFICATION, COLLECTION, AND NOTIFICATION OF MEDICAL WASTE USING IOT BASED SMART DUST BINS
- DEVELOP A 7 LAYERS CONVOLUTION NEURAL NETWORK AND IOT-BASED GARBAGE CLASSIFICATION SYSTEM

ARUNDHATI DAS

- EXPLORED SPECTRAL-SPATIAL ACTIVE LEARNING FOR HYPERSPECTRAL IMAGE CLASSIFICATION.
- JOINED A 5-DAY FACULTY WORKSHOP ON RESEARCH PROPOSAL WRITING AND FUNDING.



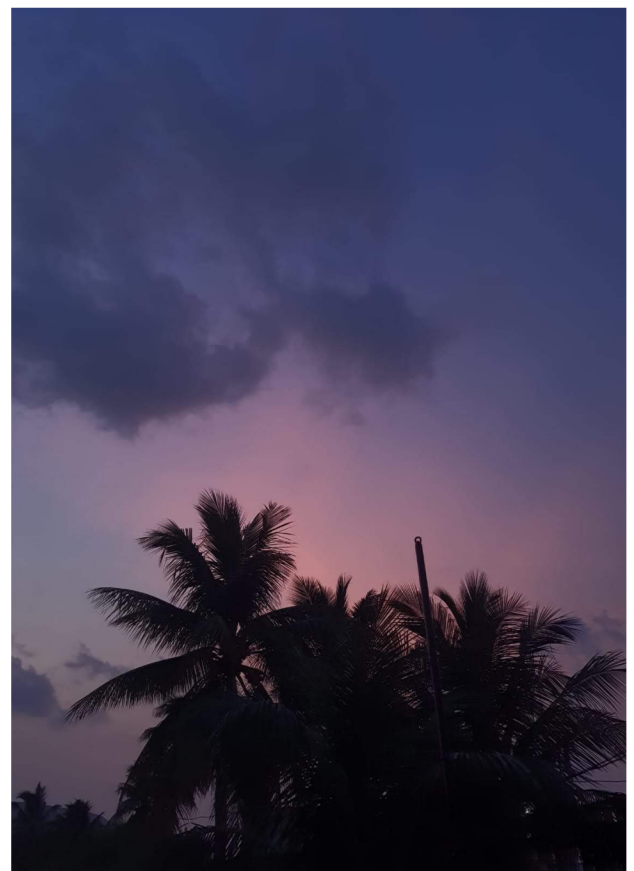
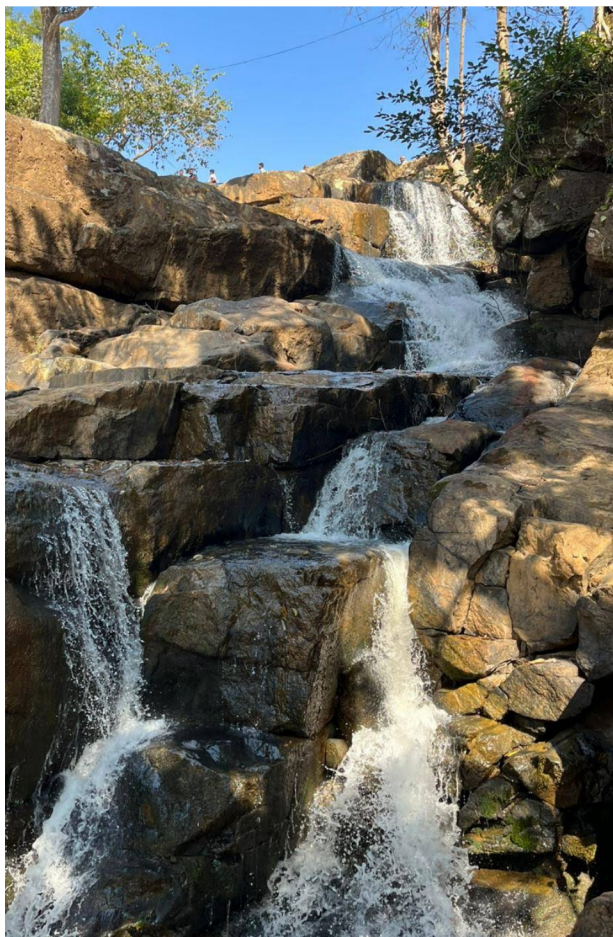
MOHAMMAD AZHAR

- CERTIFICATIONS IN PYTHON COURSE, GO PROGRAMMING COURSE, BIG DATA ANALYTICS COURSE, BLOCKCHAIN COURSE, JAVA, MACHINE LEARNING, REACT JS

FROZEN IN TIME

Capturing the beauty of life...





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Music: A Timeless Tapestry of Culture and Expression



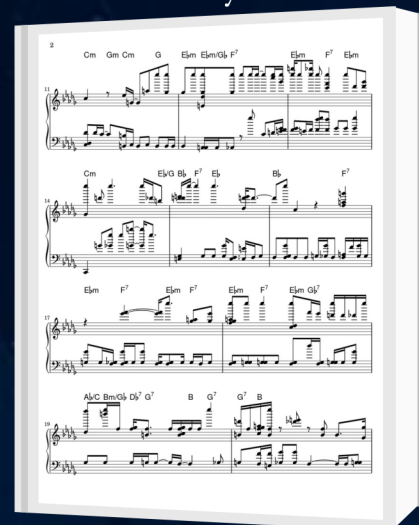
Music, a timeless and universal language, has been an integral part of human culture and history for centuries. In India, its history is a vibrant tapestry woven over thousands of years, embracing a multitude of traditions and styles. Music possesses a unique enchantment, capable of touching our souls, transcending time, and conveying emotions that words often struggle to express. Each musical instrument, with its distinctive sounds and vibrations, contributes to this captivating symphony of human

expression. In the contemporary world, music has seamlessly integrated into our daily lives, taking on diverse forms.

India's musical history is a treasure trove of traditions that have thrived across the subcontinent. Ancient texts, such as the Vedas, celebrate the sacred and spiritual significance of music. Indian classical music, deeply rooted in these age-old teachings and the revered guru-shishya (teacher-student) tradition, comes in two principal forms: Hindustani music in the north and Carnatic music in the south. These traditions are characterized by intricate rhythms, captivating ragas (melodic modes), and a profound connection between the artist and the audience.

In the modern era, music has undergone a remarkable transformation. Today's musical landscape is a vibrant mosaic of genres, from classical to pop, rock to electronic, and more. This diversity mirrors the dynamism of our society and the evolving tastes of a globalized world. While some may lament the perceived loss of authenticity in contemporary music, it's crucial to recognize that authenticity is not a fixed concept but a reflection of the spirit of our times.

In conclusion, the history of music in India testifies to the enduring power of human creativity and expression. Music has become an inseparable part of our daily existence in the modern world, uniting us across boundaries and celebrating our shared humanity.



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SHIVA BHOLENATH

Shiva Shiva oo kala rupa
Shiva shiva oo mahakala rupa
Shiva shiva oo rudra rupa
Shiva shiva oo adiyogi
Shiva shiva oo adi shakti
Shiva shiva oo nidhi bhakti
Shiva shiva oo shakti rupa
Shiva shiva oo bhakti rupa

Medalo unna naga bhandam, nilakhanta nirupam
Dam dam ni damarukam, danka natham hey*
Maa bada nipai posi memu challaguntam
Maa bada nuvvu tisukoni baadanantam
Aa.... baada noppi teliya kunda palu postam, palu/perugu postam
Ippudunna mahashastram ni vedam
Devudi naina ande margam ni Yogam
Sharira manta tolige naamam, OM karam
Matti kalisi shariram anta pranam unte, aatma todü yevvar lerani badagunte
Nee rupam unte maha kaludunteeeeeee.....

Dumdam Basti lo, Chillar porrolla mastilo
Aaj ham maarengē, ee pogalo untu paadenge, pogalo undi dam Bam Bole lo unte gim
Day and night untam basti lo bambole ke masti lo bam bole ra devudu , mato pat
Tagutad shivvudu , taginanka dhagad inta tagutene leggaadu,

Bam Bole ani kod tunte chala baa untundi ||
Bhole Bhole Bhole Bhole Bhole Bam||

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