

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# डिजिटल □RISHTI



APRIL-JUNE (2022-2023)



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#### OVERVIEW OF THE DEPARTMENT

The Computer Science and Engineering Department is spearheading the attempt to offer professional and educational courses in computer science. The heart of the organisation is the Department of Computer Science and Engineering. The department believes that education is the only way for India to move towards being a developed country and that it is the cornerstone of all holistic development. Our department is the engine of innovation and advancement in the quickly changing field of technology. We provide more than 500 cutting-edge PCs with fast networking and data processing. The department's scientific innovation is still moving at a strong pace. This edition highlights the noteworthy accomplishments of our esteemed faculty members. It is important to note that Dr.Raghav Garg, Dr. Sandip Vijay, Dr.Anil Kumar Dhaiya, Mrs. Suchi Johari, Dr. Tripuresh Joshi, Dr.Sunil Semwal, Dr. Anand Gupta, and Mr. Rakesh Kumar, all of whom have recently published research articles, have achieved remarkable success. Our commitment to knowledge sharing and teamwork was evident in the success of the add-on courses, which included workshops on Node.js, machine learning, and cloud computing using AWS. These gatherings strengthened ties throughout our community and offered insightful information. These events provided useful insights and fostered connections within our community. We take great pride in commemorating the achievements of our esteemed students who have successfully obtained placements. We anticipate a diverse range of events in the future, including a MATLAB programming workshop and supplementary courses. The department encompasses a range of instructional resources, such as an intelligent classroom, a departmental library, and an internet infrastructure. The Department of Computer Science and Engineering offers a range of programmes, including B.Tech, MCA, and M.Tech. The department provides comprehensive instruction in fundamental subjects like computer algorithms and computer system intelligence. The department also prioritises collaboration between industry and academics, organising a range of workshops, industrial visits, and guest lectures.



# DEPARTMENTAL VISION & MISSION

#### Department Vision:

To become the centre of excellence in teaching, research and innovative practices for computing.

## Department Mission:

- DM 1: To provide a learning ambience to enhance programming skills for problem solving.
- DM 2: To integrate the software industry and academia in order to utilise technology for research, innovation and entrepreneurship.
- DM 3: To develop professionals with a solid foundation who can think outside the box to adapt green computing solution.
- DM 4: To provide a comprehensive computing environment that meets the highest global standards for higher education and lifelong learning.
- DM 5: To create ethical, skilled engineers, through theoretical understanding and practical implementations.



# FROM THE FACULTY'S DESK

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Welcome, and greetings to the freshest edition of the CSE's newletter — 'flestRer-histhi'. The newsletter is the amalgamation of all the events and activities held in the department. It plays an instrumental role in providing great exposure to the achievements accomplished by the students and the faculty. The department is continuously organizing seminars, workshops, and industrial visits every semester which gives a good display of engineering concepts and technology. I hope this issue will help our young minds to contribute more to the growth and achievements of the department. I would like to thank the editorial team for their sincere efforts in bringing such a beautiful and informative newsletter



Dr. Sandeep Kumar

In the spirit of growth, our commitment to mentorship stands tall. As mentors, we sow the seeds of knowledge, guide aspiring minds, and witness the transformation of students into tomorrow's leaders. This instruting environment not only shapes individual trajectories but also contributes to the flourishing legacy of our department. In the fast-paced world of Lechnology, the journey of learning never truly ends. Our department embraces a culture of continuous growth, encouraging faculty and students alike to explore new horizons. As we foster an environment that values curiosity, we empower ourselves to adapt and thrive in the evolving landscape of computer science. A special appreciation to our editorial team for consistently launching the departmental newsletter quarterly, and capturing and amplifying our diverse achievements.

# LIST OF FACULITY MEMBERS





Dr. Sandip Vijay



Dr. Raghav Garg



Dr. Sanjeev Kumar



Dr.Sandeep Kumar



Dr. Ashish Gupta





Dr. Ahmad Jamal



Dr. Bharti Kulra



Dr. Shikha Tayal Aeron





Dr.Nirmendra Singh



Mr. Brajendra Sharma



Mrs.Priya Bhardwaj



Ms. Vaibbavi Painuly



Mrs. Shivali Pundir





Mrs. Ritu Pal



Mr. Gauray Gupta







Ms. Riya Kukreti



Mr. Anuj Singh



Mr. Shurad Singh



Mr. Aizaz Ahmad





# EDITORIAL TEAM



Hafeez Pathan (B.tech CSE 3rd Year)



Rupam Kumar (BCA 3rd Year)



Mrs. Shivali Pundir Faculty (coordinator)



Ms.Yamini Goyal Faculty (coordinator)



# DEPARTMENTAL EVENTS

# 1. Workshop on Node.js

The Node, is Workshop organized by the CSE Department spanned six insightful days, from 22nd June 2023 to 28th June 2023, and witnessed enthusiastic participation from students and professionals alike. The workshop commenced with an inaugural session, graced by esteemed speakers including Dr.Sandeep Vijay, Dr.Nishant Saxena, Dr.Anand Kumar Gupta, and Mr. Privanshu.

- Throughout the workshop, participants delved into the key concepts and components of Node is, gaining a solid foundation in server-side JavaScript development. They learned about asynchronous programming, harnessing the event-driven architecture, utilizing NPM for package management, and leveraging the Express, is framework for web application development.
- 2. The workshop fostered an interactive learning environment, with regular Q&A sessions and engaging in discussions to address participants' queries and encourage brainstorming. Each day included hands-on exercises and coding assignments, allowing attendees to apply their knowledge and develop practical skills in Node; is



- 3. A comprehensive user manual on Node, is was provided to the participants, serving as the final day of the workshop, participants provided valuable resources for further learning and their feedback, expressing their satisfaction with the reference. Daily assessments were conducted to quality and value of the program. The workshop gauges the learning progress of the participants, successfully empowers the participants with in-depth ensuring a comprehensive understanding of the knowledge of Node, is, and equips them with the concepts covered.
- 4. The objectives of the workshop are practical skills required to develop scalable and efficient, including web applications. Enhancing participants' understanding of Node.js, promoting skill-based learning, and overall, the Node.js Workshop at Tulas' Institute fostering industry readiness were achieved to approved to be an invaluable learning experience, to a great extent. The enthusiastic participation and bridging of the gap between theory and practice and positive feedback from the attendess validate-paving the way for participants to embark on the success of the workshop in empowering Node.js development journeys. Individuals with valuable Node.js expertise.



### 2. WORKSHOP ON FRONT END DEVELOPMWNT

The Department of Computer Science & Engineering conducted a 6day Workshop on FRONT END development using HTML, CSS, and JAVA SCRIPT from 5 June 2023 to 10 June 2023. This workshop was coordinated by Mr. Grish Singh and Ms. Akanksha Shriyastaya. The main objective of the workshop was to impart knowledge to the students. On the first day of the workshop, the students of Tula's Institute showed active participation, and the same continued till the last day, Mr. Raghayendra (Trainer, BrillicaServices) helped students gain technical knowledge of Front-End development. The students got to know about how to use HTML, CSS JavaScript and its various libraries come in handy in a competitive environment. Throughout the entire workshop program, the students were active. After every session of the workshop, a Q and A session was also held where the queries of the students were discussed. Brainstorming of ideas and queries from the students was actively addressed and taken due care. Not only confined to this the participating students were provided with a user manual of Front-End so that they can learn web development according to their comfort.









The workshop helped to ace the students with this software so that they would be industry-ready and would have an edge over others. There was a proper daily assessment conducted to check the learning progress of the students. On the final day of the workshop, student feedback was also taken and the maximum number of participants were satisfied with the value addition that took place. The student presence throughout the workshop was a proven fact that the main motive of the same was fulfilled and productive learning was achieved.

The objectives and outcomes of the workshop were achieved to a greater extent and every student who was a part of this

workshop learned a new skill. Skill-based learning is the motive of our institute and imparting the right skills among the students was truly achieved through this workshop. The participating students were grateful to the organizers and the management of the College for conducting such a fruitful, dynamic, and knowledge-based workshop that will surely help them acing the industry and brings out the best of themselves

## 3. Workshop on Machine Learning

Department of Computer Science & Engineering conducted a 6-day Workshop on Machine Learning from 5th June 2023 to 10th June 2023. Ied by Mr. Vikas Singh (Python and Machine Learning Trainer. BrillicaServices) This workshop was coordinated by Mr. Grish Singh, Ms.Shivali Pundir, and Ms. Vaibhavi Painuly. The main objective of the workshop was to impart knowledge to the students. On the first day of the workshop, the students of Tula's Institute showed active participation, and the same continued till the last day. Mr. Vikas Singh helped students gain technical knowledge of Machine Learning. The students got to know about how to use Python tool and its various libraries which come in handy in today's competitive environment.





Throughout the entire workshop program, the students were active. After every session of the workshop, a Q and A session was also held where the queries of the students were discussed. Brinstorming of ideas and queries from the students was actively addressed and taken due care. Not only confined to this the participating students were provided with a user manual of Machine Learning so that they can learn Machine Learning according to their condition. The students of the students. The workshop helped to ace the students with this software so that they would be industry- ready and would have an edge over others. There was a proper daily assessment conducted to check the learning progress of the students.

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### 4. Workshop on Cloud Computing using AWS

Workshop on Cloud Computing using AWS conducted by the Department of Computer Science & Engineering from 15th June 2023 to 21st Jone 2023. Led by Mr. Armt Jaiwall (Trainer, Brillica Services) and coordinated by Dr. Ansand Gupta and Ms. Riskuteri. The Students from B tech 4th year and MCA 2nd year participated in the workshop.

The cloud computing workshop using AWS is designed to introduce participants to the fundamentals of cloud computing and provide handson experience with AWS services. The workshop covers various aspects of cloud computing, including infrastructure provisioning, storage, networking, and application deployment.





On the first day of the workshop, the students of Tula's Institute showed active participation, and the same continued till the last day. Mr.Amit Alirwal helped students eain technical knowledge of AWS. The students got to know about how to use the AWS tool and its various libraries which come in handy for today's competitive environment. Throughout the entire workshop program, the students were active. After every session of the workshop, a Q and A session was also held where the queries of the students were discussed. Brainstormine of ideas and queries from the students was actively addressed and taken due care. Not only confined to this the participating students were provided with a user manual of Machine Learning so that they could learn Machine Learning about according to their comfort. Overall, the 6-day workshop was a valuable addition for the students. It inculcated a feeling of empowerment among the participating students.

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# RESEARCH AND INNOVATION

#### Research Papers

 Kumar, R., Kathuria, S., Malhotra, R. K., Kumar, A., Gehlot, A., & Joshi, K. (2023, March). Role of Cloud Computing in Goods and Services Tax (GST) and Future Application. In 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS) (pp. 1443-1447). IEEE.

In this model, the induction motor speed control is based on torque control drive analysis of the output power using Anticipating Power Impulse Technique (APIT). Induction motors are used in various applications; this is a model of a motor used in constant-speed applications. Vibrations and singularities are eliminated with the sliding mode control of conventional terminals. In this method, the reference state is determined systematically so that the maximum torque per ampere flux limiting operation and reference torque tracking can be determined. The difficulty of a controller driver is choosing a switch with the proper control scheme to achieve dynamic and steady-state response speed requirements and the proposed method is completely varied from the conventional model. An Anticipating Power Impulse Technique (APIT) is the proposed system for the induction motor drive control; it is also applied to the speed control of the motor. The system presented here analyses motor current and rotor position, which helps to obtain a suitable switching pulse diver circuit, because of low switching loss speed control. In this system, MATLAB software is used to develop control circuit simulations. It is expected that the simulation output will reduce the torque ripple verified by experiments and Anticipating Power Impulse Technique (APIT) giving the system output excellent stability.

 Giri, J., Bisht, R. S., Yadav, K., Bhatnagar, N., & Johari, S. (2023, March). Pothole Detection and Warning System for Intelligent Vehicles. In International Conference on Communications and Cyber Physical Engineering 2018 (pp. 1197-1215). Singapore: Springer Nature Singapore.

Due to inadequate road maintenance, road conditions are terrible everywhere. This is particularly true for urban/ural roads. The pothods on the road grow bigger and deeper with each monsoon, increasing the number of road accidents. Over the last few years, many researchers have proposed numerous solutions to this problem. Researchers have developed systems to detect potholes in real-time. This data is recorded and passed to the road authorities by some of the researchers. The recorded data, if stored in the cloud, requires network connectivity. Also, this data is not used for reducing the number of accidents due to potholes. In this paper, we have proposed a strategy where information on the road stays on the road and will be used to notify the vehicles about road conditions to avoid accidents. We are emphasizing the importance of storing data locally rather than on remote servers. Real-time scenarios have been identified and simulated for the study. The results obtained after the simulation show that the number of road accidents caused by potholes can be successfully reduced.

Karupusamy, S., Mustafa, M. A., Jos, B. M., Dahiya, P., Bhardwaj, R., Kanani, P., & Kumar, A. (2023). Torque control-bsed induction motor speed control using Anticipating Power Impulse Technique. The International Journal of Advanced Manufacturing Technology. 1-9.

In this model, the induction motor speed control is based on torque control drive analysis of the output power using Anticipating Power Impulse Technique (APIT), induction motors are used in various applications; this is a model of a motor used in constant speed applications. Vibrations and singularities are eliminated with the shiding mode control of conventional terminals. In this method, the reference state is determined in a systematic manner so that the maximum torque per ampere and flux limiting operation and the reference torque tracking can be determined. The difficulty of a controller driver is choosing a switch with the proper control scheme to achieve dynamic and setudy-state response speed requirements and the proposed method is completely varied from the conventional model. An Anticipating Power Impulse Technique (APIT) is the motor. The system presented here analyses motor current and rotro position, which helps to obtain a suitable switching pulse diver circuit, because of low switching loss speed control. In this system, MATLAB software is used to develop control circuit simulations. It is expected that the simulation output will reduce the torque ripple verified by experiments and Anticipating Power Impulse Technique (APIT) give the system output excellent stability.

 Prasad, A. B., Singh, R. B., & Garg, M. Sales prediction and analysis of supermarkets using rich and polynomial regression techniques.

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5.Tiwari, R., Gupta, A. K., Joshi, T., & Semwal, S. (2023). Performance Analysis of 16-Bit qALU using Reversible Logic Gates with QCA for Quantum Processors. Journal of Survey in Fisheries Sciences, 189-208.

Due to the availability of IT infrastructure and a shift in government advisors' perspectives, cloudbased e-governance is currently becoming a reality. To effectively monitor and manage governmental policies, this article offers a practical strategy that combines the capabilities of cloud computing and social media analyties. The foundation of every economic system is taxation. Tax evasion, tax calculation, compliance process, and return filling are some major regulatory cladingers. This is a problem that technology can handle perfectly, tandis implementation of the goods and services tax is a significant shift in indirect taxation that would not have been achieved without technology. The annual processes used in the pre-GST era resulted in cost compliance issues and input tax credit ambiguities. Important technologies utilized in GST include big data, Al, cloud computing et. et. This study emphasize about tole of cloud computing in GST.  Kumar, S., Kumar, S., Kumar, B., Sharma, S., & Chaudhary, H. (2023). Optimization Methods for Image Edge Detection Using Ant and Bee Colony Techniques. In Advances in Information Communication Technology and Computing: Proceedings of AICTC 2022 (pp. 381-388). Singapore: Springer Nature Singapore.

The traditional method of raising your hand in a classroom to say "present ma'am" or "yes ma'am" or whatever other things you would say is kind of fading away. Image processing is becoming increasingly important in the digital world. Magicians play an important function in today's information era. Visual processing is necessary in the area of biometrics to identify a individual whose biometric image has already been saved in a database. Image based biometrics, such as faces, biometrics, and eyes, need image processing and pattern recognition algorithms. To perform correctly, an image-based biometric system requires a sample image of the user's biometric that is highly clear and unadulterated. This study proposes the development of a system that automated stamps students' attendance using automated image render ways such as facial detection and identification. Face recognition is challenging due to factors such as face pattern, orientation, shape, varied patterns, and the complexity of face expression. Using multiple datasets, the system is taught to identify the face-representing pattern (positive pattern of face) and set it apart from the surroundings (critical pattern of facial expression) environment. The major goal is to provide an autonomous platform for recognising faces in video, as well as documenting student attendance by identifying them from their various face patterns. This aids in the automatic maintenance and management of the attendance system.

# EMERGING TALENT

Student's Articles



Hafeez Pathan (B.tech CSE 3rd Year)

# The Great Indian Culture

India, a land of colorful shades and rich tapestry, is a fascinating mosaic of cultures that has stood the check of time. The Great Indian Culture is a kaleidoscope of traditions, customs, and rituals that have woven a complicated narrative of range and feam spirit. In this text, we embark on an adventure to discover the precise sapects that outline this cultural extring aquazar, with a keen eye on its uniqueness and the threads that bind is humans together. Understanding the Diverse Threads: One cannot delve into the Great Indian Culture without acknowledging its extremely good diversity. From the snow-capped peaks of the Hunalayas to the sun-kissed shores of Kerala, each region boasts its own set of customs, languages, and culturary delights. The confluence of diverse religions. Hindusin, Islam, Sikism, Christianity, and greater - provides layers of complexity to this cultural symphony, making it a real embodiment of cohesion in range. Rituals and Festivals:

A Celestial Dance One of the maximum fascinating aspects of the Indian lifestyle is its multitude of gala's and rituals. Whether it is the exuberance of Holi, the solemnity of Diwali, or the spirituality of Eid, every party is a testimony to the state's deep-rooted traditions. These fairs no longer simply mark spiritual events but also serve as a reflection of the collective spirit that binds communities together. The Unwritten Language: Cuisine and Culinary Traditions Embarking on a culinary exploration of India's well-known shows a palate that mirrors the kingdom's range. From the highly spiced delights of avenue meals in Mumbai to the aromatic birvanis of Hyderabad. Indian delicacies are a celebration of flavors. Each location's culinary heritage is a testimony to its records and geography, providing a delectable insight into the lifestyle it represents. Living Traditions: Art, Dance, and Music The Great Indian Culture finds expression not only in daily rituals but also in the arts. Classical dance paperwork like Bharatanatvam, Kathak, and Odissi, observed using the soul-stirring rhythms of classical tracks narrate tales of antiquity. Modern Indian cinema, with its Bollywood extravaganzas, affords a present-day lens into the evolving cultural landscape. Challenges and Evolution: As we have fun with the greatness of Indian tradition, it's far critical to well know the demanding situations it faces in the contemporary global. Globalization, urbanization, and the fast tempo of alternatives pose a threat to standard practices. However, the resilience of the Indian people and their potential to adapt even as maintain their history talk volumes approximately the strength of this cultural edifice.

In the symphony of range that is 'the Great Indian Culture, every observation contributes to a harmonious complete. It is a party of unity in range, a testimony to the wealthy tapestry that binds together one billion hearts. As we unraved the layers of this cultural masterpiece, we discover now not simply traditions and customs but a living, respiratory entity that maintains to conform while starge rooted in its undying essence. The Great Indian Culture isn't always just a chapter in records; it's miles a colorful, onesoin marrative that univitations us all to be a part of its great adventure.

#### Student's Reasearch Paper

1.Under the direction of Miss Riya Kukreti, Department of Computer Science and Engineering, our students Pranav Choudhary, Shantanu Chahuhan, Param Nautiyal, Abhijeet Baloni, and Mr. Manan Garg published a research paper titled "Tactical Stratey Planning BOT."

#### ARSTRACT

In this used, we have introduced a TSP Bot, a knowledge-grounded multimodal taskbot designed for Tacicial Strategy Planning. This invariant's bot is tallered to guide users through relaveful tractical planning scenarios, making it ideal for strategic decision-making and execution. In the context of the Alexa TaskBot Challenge 2, TSP Bot excels as a task-driven conversational assistant, effectively assisting users from task discovery to provoding tepsby-s tep instructions. To enhance user interaction, TSP Bot in copyrates several essential features. Firstly, it basets a robust and adaptable query extraction menticulously represented using a hierarchical graph, essential features. Firstly, it basets a robust and adaptable query extraction menticulously represented using a hierarchical graph, essential organized and seames navigation throughout the planning process. Additionally, TSP Bot can address contextual inquiries related to the selected task through a knowledge-grounded question-answering module, providing users with accurate and informative responses. For an enriched user experience, we propose the incorporation of fine-grained strategy embeddings, enabling improved cross-modal retrieval task and strategy states.

2.Under the direction of Dr. Bharti Kalra, Department of Computer Science and Engineering, our students Abhay Sahu, Amaan Ansari, Sumit Rana, Abhishek Rawat, published a research paper titled "Tomato Leaf Disease Detection Using Deep Learning."

#### ABSTRACT

An effective approach to categorize tomato leaves involves employing an image processing model that relies on hue-based characteristics. This approach offers a significant advantage by effectively mitigating the impact of fluctuations in external lighting conditions on intensity variations. This study investigates the impact of various segmentation techniques, encompassing both thus-based and therebook-based approaches, on the efficacy of the proposed system. In the context of identifying and dassifying viamin deficiencies, a Convolutional Neural Network (CNN) exhibited a notable accuracy rate accitation function and assess their respective performance. Turnlemmore, we athenate the dataset by incorporating images of tomato fruits, aiming to improve the precision and accuracy of the classification procedure. Throughout our investigation, we thoroughly examine the prominent indication of nutritional inadequacies observed in tomato leaves



#### Student's Reasearch Paper

3. Under the direction of Mrs. Ritu Pal, Department of Computer Science and Engineering, our students Pallavi Priti, Shiyani Kumari, Shiyam Saini, Surai Kumar published a research paper titled "OR Based Automatic Printer Device."

#### ABSTRACT

The concept of QR-based automatic printer devices utilizes Quick Response (QR) codes, initially designed for tracking inventories in the automotive industry. Although their origin lies in industrial depicties, the widespread adoption of smartphones and mobile camers has propelled QR codes into various applications, including inventory tracking, advertising, electronic telexing, and mobile parments. Despite their convenience, the accessibility of QR codes has raised concerns about potential forgry. To address this issue, digital forentse, plays a crucial role in identifying the raised concerns about potential forgry. To address this issue, digital forentse, plays a crucial role in identifying the investigation of foreod documents and the legal procession of forgres. The process involves utilizing optical mechanisms to establish direct links between source printers and duplicates. Leveraging techniques from computer vision and machine learnings, such as convolutional neural networks (CNN), enhance the accuracy of identification by studying and summarizing statistical features. This study specifically implemented well-known pretrained CNN model. It has Alaxies, Deserbed-201, Google-Net, Mobble-Net-2, Roxels, VGGG, and others to evaluate their model to unperformed others, demonstrating superior results in identifying printed sources of both grayscale and color QR codes white requiring less computational power and training time.









# **Unveiling the Shadows**

"The Unsettling Reality of AI's Negative Effects"

In the age of rapid technological advancements, Artificial Intelligence (AI) has emerged as a powerful force shaping our daily lives. While it brings about incredible breakthroughs and conveniences, it is crucial to shed light on the shadows that accompany this technological marvel. This article aims to explore the negative effects of AI, offering a nuanced perspective on its implications for individuals and society as a whole. The Pervasive Influence of AI: As AI becomes increasingly integrated into our lives, its negative effects are becoming more pronounced. One major concern is the erosion of privacy. With the constant collection and analysis of personal data. Al systems have the potential to infringe upon individuals' privacy rights. From targeted advertising to surveillance, the line between convenience and intrusion becomes blurred, raising ethical questions about the extent of surveillance capitalism. Job Displacement and Economic Inequality: Another significant negative impact of AI is the potential for job displacement. As automation and AI technology continue to evolve, certain jobs may become obsolete, leaving many workers unemployed. This could exacerbate existing economic inequalities, as those without the skills needed in the AI-driven economy face greater challenges in finding meaningful employment. It is imperative to address these issues and implement policies that foster a balance between technological progress and societal wellbeing. The Black Box Phenomenon: One of the inherent challenges of AI lies in its opacity-the so-called "black box" phenomenon. Al algorithms often operate in a complex and opaque manner, making it challenging to understand how decisions are reached. This lack of transparency raises concerns about accountability, especially in critical areas such as healthcare, finance, and criminal justice. Demanding transparency and accountability in AI systems is crucial to ensure that decisions made by algorithms are fair, unbiased, and understandable. Ethical Dilemmas and Bias: AI systems are only as unbiased as the data they are trained on. Unfortunately, biases present in training data can lead to discriminatory outcomes. From facial recognition technologies to hiring algorithms, instances of bias have been reported, reinforcing existing social inequalities. Addressing these ethical concerns requires a collective effort from developers, policymakers, and society at large to ensure that AI is designed and implemented responsibly. Human Dependency on AI: The increasing reliance on AI raises questions about our dependency on technology. From simple tasks like navigation to more complex decision-making processes, individuals may become overly reliant on AI systems, potentially diminishing critical thinking and problem-solving skills. Striking a balance between harnessing the benefits of AI and preserving human autonomy is essential to avoid a future where humans are subservient to machines. While the promise of AI is immense, it is crucial to approach its development and implementation with a critical eye. Acknowledging the negative effects allows us to navigate the path of technological progress more responsibly. As we shape the future of AI, we must prioritize ethical considerations, transparency, and the well-being of individuals and society. Only through a collective commitment to addressing the negatives can we fully realize the potential benefits of this transformative technology. As we stand at the crossroads of technological evolution, let us choose a path that leads to a future where AI enhances, rather than diminishes, the human experience

#### Literary Section: Poems



Abhishek Rawat (B.Tech CSE 3rd Year Sec - A)

## अकेले लड़ने की ताकत

कभी-कभी हम जीवन में अकेले लड़ने की आवश्यकता होती है। यह कहानी एक ऐसे लड़के की है, जो अपने लक्ष्य के और आगे बढ़ने के लिए अपने अकेलापन को एक सुनहरा अवसर बनाता है। एक समय की बात है, एक छोटे से गांव में एक लड़का रहता था। वह बहुत सपने देखता था और अपने लक्ष्य के लिए यात्रा करने का निरंतर जुनून रखता था, परंतु उसके पास ना कोई साथी था ना कोई गाइड करने वाला। उसके परिवार में भी उसके सपने को समझने वाला कोई नहीं था। इसलिए उसे लगता था कि वह अकेलेपन की जंजीर में बंद है और उसके सपने अधूरे रह गए हैं, फिर भी उसने निरंतर मेहनत की और अपनी आत्मविश्वास की आवाज को बुलंद किया। उसका इच्छाशक्ति और संघर्ष ने उसे सही दिशा में आगे बढ़ाने की शक्ति दी।





Deepanshu Gaithori (B.Tech CSE 3rd Year Sec - A)

## सफलता का मार्ग

एक बार की बात है, एक छोटे से गांव में एक युवा लड़का अपने गरीब माता-पिता के साथ परिवार में रहता था जहां आर्थिक संकट के दिन चलना सामान्य था। लड़के के मन में बड़े-बड़े सपने थे. वह एक सफल व्यापारी बनना चाहता था।

लड़का रोजाना पाठशाला जाता था और पुस्तकें पढ़कर अपनी आत्मशक्ति को बढ़ाता था। उसके पास कुछ भी धन नहीं था, लेकिन उसने किसी भी मुश्किल को हारने का सोच बनाया था। उसने एक छोटे से कार्य में काम करना शुरू किया और अपनी मेहनत और समर्पण से अपनी कमाई बढाई।

वह दिन-रात मेहनत करता रहता था, धैर्य रखता था, और निरंतर अपने लक्ष्य की ओर बढ़ता रहता था। उसके माता-पिता ने उसकी संघर्ष को देखकर उसपर गर्व महसस किया और उसे हमेशा समर्थन दिया।

समय बीतता गया और लड़का बड़ा हो गया। वह जहां काम करता था, उसने अपने बचत के पैसों से शुरुआत की। देखते ही देखते वह एक सफल व्यापारी बन गया, जिसने अपने सपने को हकीकत में बदला। उसने अपनी कमाई को बढ़ाया,

कमजोरी को रखा, और अपने आपको नई ऊंचाइयों तक पहुँचाया। लड़के के कठिनाइयों और संघर्ष भरी यात्रा ने उसे यह सिखाया कि सफलता पाने के लिए हमें निरंतर परिश्रम करना चाहिए। हम अपने सपने को पूरा करने के लिए सदैव मेहनत करने और अपने लक्ष्य की ओर समर्थन दिखाना चाहिए। संघर्ष और आत्म-विश्वास हमारी सफलता की कृजी होती है।



Nandni Sharma ( B.Tech CSE 3rd Year Sec - C )

#### आस क सुबह

सूरज की किरणों से सुबह होती है, हर शाम आसुओं में ढल जाती है, सही कहा है किसी ने ज़िम्मेदा रियान, अक्सर मज़बूती से जीना सिखाती है

कितनो ने घर, मोहोल्ले, या शहरोन छोरे है, पिता का बोझ कम करने के वास्ते, दोस्तों के साथ चाहे कितना हे मन हल्का करले, पर कठिनाइयों से जीत कर ही शुद्ध होंगे ये रास्ते।

हन वो माँ का आँचल याद अता बहुत है, पर वादे में उन्हें भी तो सोने से तौलना है, बीएस घर से परवरिश की पोटली बंद है, एक अपना लहज़ा ही तो घर की याद दिलाता है.

हर एक ढलता दिन आस को सुबह बनती है, जागते ही कभी आसुओं की माला बनती है, सही कहा है किसिने ज़िम्मेदारियाँ, अक्सर मज़बूती से जीना सीखती है।



Akanksha Chauhan (B.Tech CSE 2nd Year Sec - A)

Life is very beautiful, sometimes it makes you laugh and sometimes it makes you cry, but life bows its head before the one who remains happy in the crowd of life. No one becomes great without struggle, no one becomes great without doing something, no stone becomes God until it is hit by a hammer.

# Student's Artwork



MadhuLikha Choudhary (B.Tech CSE 2nd Year Sec - B)





(B.Tech CSE 2nd Year Sec - B)



Sakshi Pandey (B.Tech CSE 3rd Year Sec - B)



Sakshi Pandey (B.Tech CSE 3rd Year Sec - B)



Pathan Hafeez (B.Tech CSE 3rd Year Sec - B)

# **Placement Opportunities**









(24/7)

















4. Workshop on Matlab Programming date to be decided.

