GEETANJALI INSTITUTE OF TECHNICAL STUDIES

GITS
तमसो मा ज्योतिर्गमय्
Darkness to Light

NBA
NATIONAL BOARD OF ACCREDITATION

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

E-NEWSLETTER

BITS & BYTES

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Director's Desk

Dr. N.S. Rathore

DIRECTOR

Computer Science Engineering is the horizon that burns bright with endless possibilities.The digital revolution is reshaping every facet of our lives, and at the forefront stand the builders of tomorrow – you, the engineers who will weave the code that defines our future. But remember, the path to mastery is paved with relentless effort and a constant thirst for growth.

Don't be afraid to venture beyond the curriculum. Explore niche areas that ignite your passion, be it cybersecurity, artificial intelligence, or robotics. Participate in hackathons, contribute to open-source projects, and network with the who's who of the industry. Every interaction, every line of code written, is a brick laid on the path to your professional edifice.

Remember, the true mark of an engineer isn't just technical prowess, but also empathy and social responsibility. Use your skills to solve real-world problems, bridge the digital divide, and make technology a force for good. Build solutions that cater to the needs of your community, your nation, and the world.

HOD's Desk

Dr. Mayank Patel

HOD, DEPARTMENT OF

COMPUTER SCIENCE ENGINEERING

This Computer Science world is your playground – algorithms, data, code, it's all waiting to be explored. Don't just study, build! Hackathons, open-source projects, they're your training grounds. But remember, tech with heart wins. Solve problems, bridge the digital gap, make the world a better place.

As you embark on this exciting journey, We provide you with the tools, the guidance, and the platform to excel. But ultimately, it's your dedication, your perseverance, and your unwavering spirit that will determine your success.

So, let the lines of code flow like symphonies, let the algorithms crack like puzzles, and let your innovations rewrite the world. Dream big, work hard, and never stop learning. The future of technology awaits, and it's yours to shape. Forge ahead, and may your code echo through the annals of technological progress.

About
Computer Science and Engineering Department

The Department of Computer Science and Engineering educates and conducts research covering wide areas of information science, from fundamental technologies such as software design, object oriented programming, computer architecture, database system, discrete mathematics, and Internet technologies, which support infrastructures of the highly information-oriented society, to applied and advanced technologies including multimedia, robotics, computer vision, data mining, human-machine interface design, computational science, life science, distributed computing, and theoretical computer science.

To achieve our mission, we provide attractive educational programs for students to learn from the basics to advanced technologies related to computer science and engineering. Through our educational programs students are expected to become leading engineers and researchers who are highly motivated and have practical, creative, and management skills to drive an advanced next-generation information society in all industrial fields.

The growth of the department is mainly due to the high quality graduates of the department who are currently working in the industry and pursuing higher education in home and abroad. Most of our graduates are getting employed with in the last trimester of their undergraduate or within a very short period. Our graduates are successfully working in reputed companies and organizations.

Vision of CSE Department

To nurture the students to become employable graduates who can provide solutions to the societal issues through ICT.

Mission of CSE Department

To focus on practical approach towards learning and exposing the students on the latest ICT technologies.

To foster logical thinking among the students to solve real-time problems using innovative approaches.

To provide state-of-the-art resources that contributes to inculcate ethical & life-long learning environment.

PSOs of CSE Department

PSO1: Professional Skills: The ability to understand, analyse and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity.

PSO2: Problem-Solving Skills: The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

PSO3: Successful Career and Entrepreneurship: The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

PEOs of CSE Department

PEO1: To enable the students to think out-of-the-box solutions for addressing societal issues through ICT.

PEO2: To impart skills in students to analyze, design and implement Software/Hardware solutions to solve interdisciplinary and complex problems.

PEO3: To expose the students towards effective dissemination of research findings in order to become successful entrepreneurs or to pursue higher education.

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Training

TRAINING
ON
JAVA AND ADVANCE JAVA

24 July - 4 September,2023

The Department of Computer Science & Engineering organized a 90-hour offline training on Java and Advanced Java from July 24 to September 4, 2023. The event, coordinated by Dr. Mayank Patel(HOD,CSE)and Ms. Ruchi Vyas(Ass.Professor,CSE), featured Mr. Rajendra Deopura as the sole resource person, engaging 70 participants. The training's objective was to equip students with a thorough understanding of Java concepts, encompassing features, operations, and the development of Java programs. This initiative aimed to provide a comprehensive skill set in both Java and Advanced Java within the specified duration.

The inaugural session featured the presence of distinguished individuals, including Dr. N.S. Rathore, Campus Director at GITS, and Dr. Mayank Patel, Head of the Department of Computer Science and Engineering.

The training was focused on the required technologies that play an essential role to understand and develop programs in Java and Advance Java.

Java is a versatile, class-based, and object-oriented programming language known for its simplicity and platform independence. It supports primitive data types and key features include simplicity, object-oriented principles, portability, security, robustness, architecture neutrality, interpreted nature, high performance, multithreading, and support for distributed applications. Python, another widely used language, offers various data types and operators. Object-Oriented Programming (OOP) concepts, such as classes and inheritance, enhance code organization and reusability. Java extends OOP with features like polymorphism, abstract classes, and exception handling. Java Database Connectivity (JDBC) facilitates database interaction. The Java Virtual Machine (JVM) executes Java bytecode, making it compatible across different operating systems. Java Runtime Environment (JRE) contains the JVM and libraries, while the Java Development Kit (JDK) includes development tools in addition to JRE components. Java's availability as open source, under the OpenJDK project, began in 2006.

Participants engaged in a comprehensive learning experience covering the basics of Java and Advanced Java concepts, exploring real-time implications. The sessions included understanding and implementing Python features, Java control statements, arrays, strings, OOPs concepts, exception handling, polymorphism, multi-threading, JDBC for front-end connection, creation of Java Servlets, and developing competitive programs in the Java development environment. The program aimed to provide participants with a practical and diverse skill set in Java and Advanced Java programming.

TRAINING
ON
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

24 July to 4 September,2023

The Department of Computer Science & Engineering conducted a 90-hour offline training on Artificial Intelligence and Machine Learning from July 24 to September 4, 2023. With Dr. Mayank Patel(HOD,CSE) and Ms. Ruchi Vyas(Ass.Professor,CSE) as event coordinators, Mr. Nikhilesh Tayal from NIMO Labs is the resource person. The training, involving 70 participants, aims to provide a comprehensive understanding of Artificial Intelligence and Machine Learning concepts, including features, operations, and the development of Machine Learning programs.

The inaugural session featured the presence of distinguished individuals, including Dr. N.S. Rathore, Campus Director at GITS, and Dr. Mayank Patel, Head of the Department of Computer Science and Engineering.
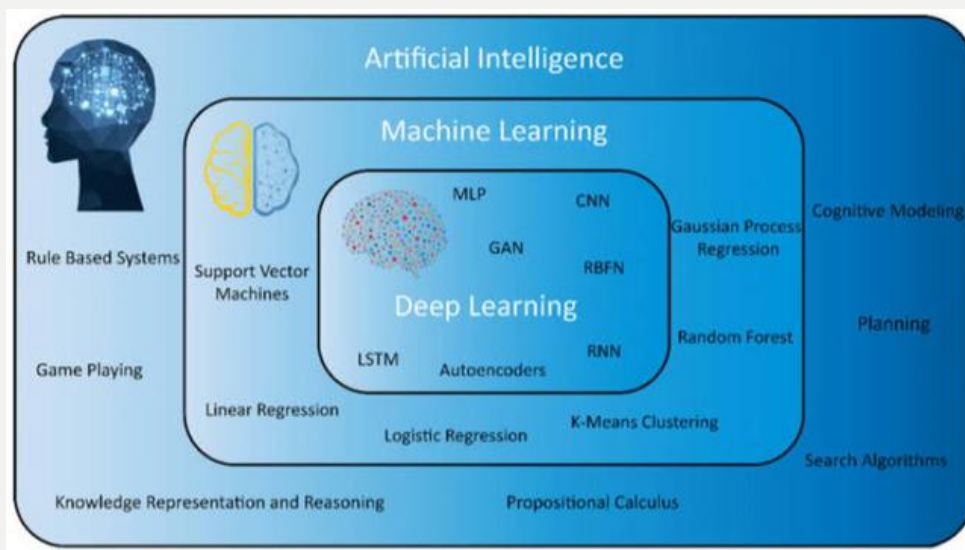
The training was focused on the required technologies that play an essential role to understand and develop programs in Machine Learning and Python.

This section provides a foundational overview of Artificial Intelligence (AI) and Machine Learning (ML). AI involves building systems to mimic human cognitive functions, and ML, a subset of AI, enables machines to learn and improve from experience. Python concepts, including algorithms and Pandas for data manipulation, are introduced. The ML process is explained, covering Supervised Learning (classification and regression) with algorithms like linear and logistic regression, and an example project on predicting Titanic survivors. Unsupervised Learning is discussed, including anomaly detection and content-based recommendation systems. Deep Learning, Neural Networks, and various ML fields like Natural Language Processing and Generative AI are explored. The section also emphasizes societal considerations, addressing limitations, scams, and ethical aspects in AI and ML project development.
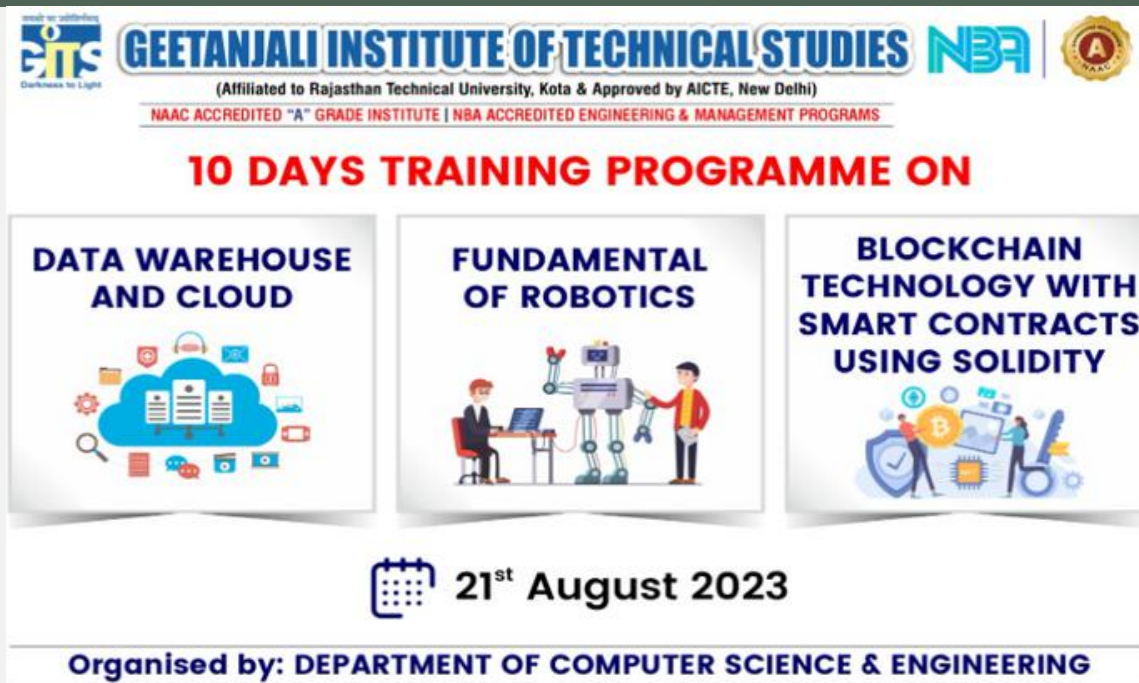
The training on Artificial Intelligence and Machine Learning yielded significant outcomes for participants, providing a comprehensive understanding of the fundamentals and real-world applications. Participants delved into core concepts such as variables, loops, functions, lists, and dictionaries in Python, while also mastering data manipulation using Pandas. The training covered a wide array of machine learning algorithms, empowering participants to build diverse models. In addition to traditional machine learning, participants explored advanced topics like Deep Learning, Neural Networks, and Natural Language Processing. The practical application extended to developing Chatbots using Recurrent Neural Networks, Transformers, and Generative AI, as well as understanding Large Language Models like Chat GPT. The ethical considerations surrounding AI, including limitations and potential scams, were thoroughly addressed, contributing to a holistic understanding. Finally, participants honed their programming skills by developing competitive programs in Python, marking the training's success in providing both theoretical knowledge and practical expertise in the field.

TRAINING

ON

DATA WAREHOUSE AND CLOUD

21 August- 4 September, 2023

The Data Warehouse and Cloud Training, hosted by the Department of Computer Science and Engineering from August 21 to September 4, 2023, provided a valuable learning opportunity for 62 participants. Led by experienced resource person Mr. Rahul Shandilya from Nimo Labs, the training aimed to acquaint students with the fundamentals of DBMS, RDBMS, data modeling concepts, SQL basics, Cloud technology, and the essentials of Snowflex. Participants actively engaged in hands-on coding, debugging, and problem-solving exercises, gaining practical experience. The training also delved into cloud technology, focusing on IAAS, PAAS, and SAAS, highlighting the delivery of computing services over the internet. Event coordinators Ms. Charu Kavadia(Ass. Professor,CSE) and Mr. Pankaj Vaishnav(Ass. Professor,CSE) ensured the seamless organization of this offline training, fostering a comprehensive understanding of data warehousing and cloud computing among the participants.
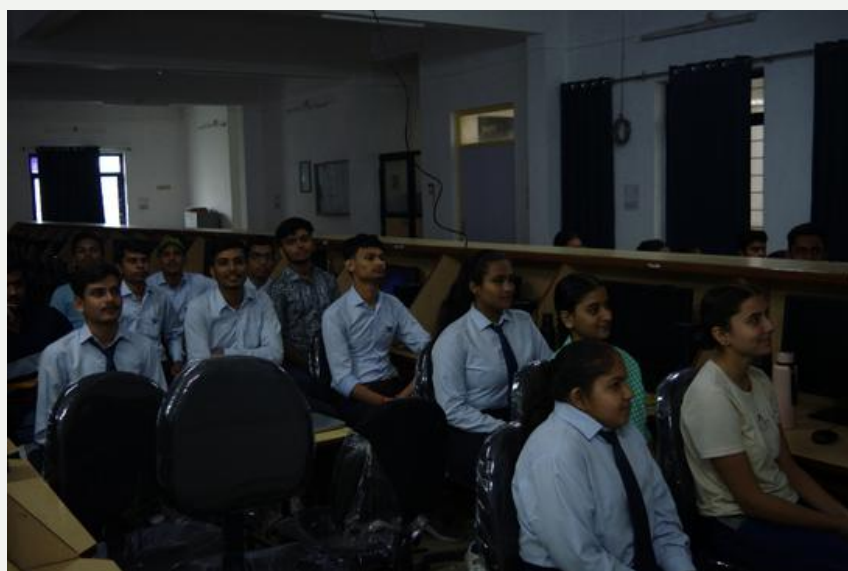
During the inaugural function on January 5, 2023, attended by Dr. Narendra Singh Rathore, Director of GITS, Dr. Mayank Patel, HOD CSE, Mr. Arvind Singh Pemawat, TPO, and all CSE faculties and students, Ms. Hitiksha Manoti welcomed participants. Dr. Mayank Patel inaugurated the program, introducing the resource person, Mr. Rahul Shandilya. Dr. Rathore emphasized the importance of Data Warehouse and Cloud, commending the CSE Department for organizing such events.

Training covered following things-

1	21-Aug	Session 1	Theory	Introduction $ ice breaking / Data vs Information
		Session 2	Theory	What is Database / DATABASE vs RDBMS
		Session 3	Theory	What is Datawarehouse ? OLTP vs OLAP
2	22-Aug	Session 1	Theory	Datawarehouse Architecture / Components of Data warehouse
		Session 2	Practical	Types of Data Warehouse /Data Warehouse Advantages & Disadvantages
		Session 3	Hands-on and Q&A	Data Warehouse Tools ,Best practices to implement a Data Warehouse
3	23-Aug	Session 1	Theory	SQL basic learning / DML , DDL
		Session 2	Practical	TCL , Advanced SQL learning
		Session 3	Hands-on and Q&A	Hands on lab for querying data
4	24-Aug	Session 1	Theory	Datamodeling technique (Star schema vs snowflake schema)
		Session 2	Practical	Dimension vs fact ,cloud datawarehouse , available tools
		Session 3	Hands-on and Q&A	Basic knowwledge on AWS / GCP / AZURE cloud
5	25-Aug	Session 1	Theory	What is Snowflake Datawarehouse
		Session 2	Practical	Architecture of snowflake (snowflake layers)

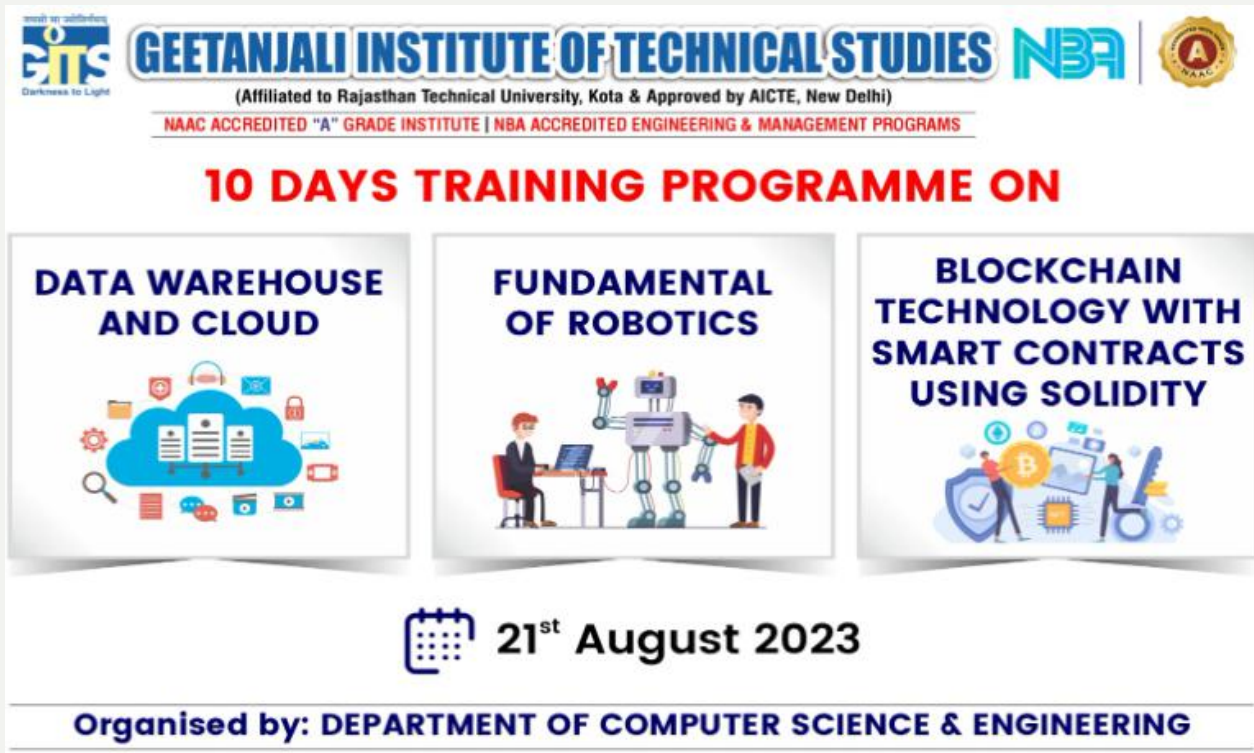|				
		Session 3	Hands-on and Q&A	How to create account on snowflake and start using it
6	26-Aug	Session 1	Theory	Snowflake IAM role creation
		Session 2	Practical	Objects in Snowflake
		Session 3	Hands-on and Q&A	How to query in snowflake
7	31-Aug	Session 1	Theory	How data get stored in Snowflake
		Session 2	Practical	Stages (Internal vs external)
	V	Session 3	Hands-on and Q&A	Create DB and objects in Snowfake
8	1-Sep	Session 1	Theory	Table vs Temporary table vs Transiant table
		Session 2	Practical	Time Travel in Snowflake , Cloing in Snowflake and how this works
		Session 3	Hands-on and Q&A	Hands on lab for time travel , Zero copy clone
9	2-Sep	Session 1	Theory	What is unstructure data and how to deal with this type of file
		Session 2	Practical	JSON file read (flatten data into Permanent table)
		Session 3	Hands-on and Q&A	Hands on lab for JSON file creation and data read
10	4-Sep	Session 1	Theory	Snowpipe and stream ingetion in snowflake
		Session 2	Practical	Work with streams
		Session 3	Hands-on and Q&A	Create Streams and load change data capture / Questions ?

The training concluded with participants grasping the importance of Data Warehouse and Cloud, seen as a valuable investment in their future. This technological education represents a significant advancement, offering students a dynamic and personalized learning experience in data warehouse and cloud technology.

TRAINING
ON
FUNDAMENTALS OF ROBOTICS

21August- 4 September,2023

The Department of Computer Science and Engineering is conducting an offline training on the Fundamentals of Robotics from August 21 to September 4, 2023. The event, coordinated by Mr. Pankaj Vaishnav, involves two resource persons from Nimo Labs: Mr. Mohit Maheshwari and Mr. Mohan Kumar, and is expected to engage 62 participants. The primary objective of the training is to provide participants with a foundational understanding of robotics principles, components, and systems. Key concepts such as sensors, actuators, and control systems will be explored, contributing to a comprehensive learning experience in the field of robotics.

Training covered following things-

		Session 1	Theory	Introduction $ ice breaking / Data vs Information
1	21-Aug	Session 2	Theory	What is Database / DATABASE vs RDBMS
		Session 3	Theory	What is Datawarehouse ? OLTP vs OLAP
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		Session 2	Practical	Work with streams
		Session 3	Hands-on and Q&A	Create Streams and load change data capture / Questions ?

During the inaugural function on 22 August, 2023, attended by Dr. Narendra Singh Rathore, Director of GITS, Dr. Mayank Patel, HOD CSE, Mr. Arvind Singh Pemawat, TPO, and all CSE faculties and students, Ms. Hitiksha Manoti welcomed participants. Dr. Mayank Patel inaugurated the program, introducing the resource person, Mr. Rahul Shandilya. Dr. Rathore emphasized the importance of Data Warehouse and Cloud, commending the CSE Department for organizing such events.

TRAINING

ON

BLOCKCHAIN

24 August to 4 September,2023

The Department of Computer Science & Engineering is organizing a ten-day offline training program on Blockchain from August 22 to September 4, 2023. The program, facilitated by Mr. Rakshit Kothari, Assistant Professor in the CSE department at GITS, is designed to engage 75 participants in a comprehensive exploration of Blockchain technology. This offline mode training aims to equip participants with a solid understanding of Blockchain principles and applications.

Outline

Day	Topic	Learning Objectives
Day-1	Introduction to Blockchain	• What is Blockchain? • History and Evolution • Key Components and Concepts • Types of Blockchains (Public, Private, Consortium)
Day-2	Cryptography Basics	• Cryptography in Blockchain • Hash Functions and Digital Signatures • Public and Private Keys • Use of Cryptography in Blockchain Security
Day-3	Blockchain Architecture	• Structure of a Block • Blockchain Data Structure • Consensus Mechanisms (Proof of Work,
Day-4	Bitcoin and Blockchain	• Understanding Bitcoin as the First Blockchain Application • Bitcoin Transactions • Mining Process and Rewards • Bitcoin's Impact and Future
Day-5	Ethereum and Smart Contracts	• Introduction to Ethereum • Smart Contracts on Ethereum • Decentralized Applications (DApps) • Ethereum's Ecosystem
Day-6	Alternative Blockchain Platforms	• Other Blockchain Platforms (e.g., Hyperledger, EOS, Cardano) • Comparative Analysis • Use Cases and Applications
Day-7	Blockchain Security	• Security Threats and Vulnerabilities • Protecting Blockchain Networks • Best Practices in Blockchain Security
Day-8	Regulatory and Legal Aspects	• Blockchain Regulations Worldwide • Legal Challenges and Compliance • Implications of Blockchain in Various Industries
Day-9	Blockchain in Industries	• Blockchain in Finance (Banking, Payments • Supply Chain and Logistics • Healthcare and Identity Management • Real Estate and Governance
Day-10	Future Trends and Wrap-up	• Emerging Trends in Blockchain Technolog and worked on live project • Challenges and Future Developments • Final Q&A and Recap

Providing overall introduction to Blockchain technology and its application in real world organisations. A hands-on practice and training for students on how Blockchain, the technology of decentralized and transactional sharing of data across a large network of untrusted participants can be implemented in any organisation.

The prerequisites for this training program include students being comfortable with various operating systems (Linux, Unix, Windows, Solaris, MacOS, etc.), familiarity with topics such as Security, Cryptography, and Cryptocurrency, and a basic knowledge of at least one additional programming language, such as JavaScript or C++. Each student's PC should have any Windows, Linux, or macOS operating system and the Remix - Ethereum IDE for Solidity.

The training aims to achieve several objectives, including disseminating knowledge of Blockchain technology among students, fostering a better understanding of its implications for security, analyzing and evaluating the current status and maturity of Blockchain technology, and engaging in discussions about the present state of Blockchain development and research both in India and globally. These objectives collectively contribute to providing students with a comprehensive understanding of Blockchain and its diverse applications.

Workshop

WORKSHOP
ON
GAMEHATCH- AR/VR

23 September,2023

Explore the realms of Augmented Reality (AR) and Virtual Reality (VR) at the GAMEHATCH Workshop, jointly organized by GDSC and the Department of Computer Science. Set for September 23, 2023, from 09:30 AM to 03:30 PM at the CSE Seminar Hall. This offline event boasts 123 anticipated participants. Led by expert Shubhanshu Shrimali, attendees will delve into practical sessions, an inaugural address, and networking opportunities. Coordinated by Ms. Ruchi Vyas(Ass. Professor,CSE).
Dr.Mayank Patel, HoD CSE, GITS was present in the inaugural session.

The future unfolds right before our eyes,Augmented Reality (AR) and Virtual Reality (VR) are reshaping how we see and interact with the world. From gaming to healthcare and education, these technologies are transforming industries. Our workshop offered hands-on experience, covering key concepts in AR and VR.

We gave token of appreciation to the hands-on workshop winners and the Quiz winners on AR/VR concepts and technology. Also, attendees are motivated by Dr.Mayank Patel(HOD,CSE) and Ms. Ruchi Vyas mam(Ass. Proffesor,CSE)
Participants learned in-depth about Augmented Reality (AR) and Virtual Reality (VR) with a focus on Game Development. The workshop also covered the practical applications of these technologies, and under the guidance of Ms. Ruchi Vyas(Ass. Professor,CSE).

WORKSHOP
ON
GOOGLE CLOUD STUDY JAMS 1

6 October,2023

Workshop on Google Cloud Study Jams 1 on October 6, 2023, organized by GDSC and the Department of Computer Science. With three resource persons, including Hitiksha Manoti, Kulvardhan Singh Rathore, and Vansh Arora, the workshop was coordinated by Ms. Ruchi Vyas(Ass.Professor,CSE)aims to enhance development skills, provide knowledge, and foster connections for personal growth. The event, taking place in offline mode in the CSE Seminar Hall, promises an interactive session for 162 participants to build valuable skills and connect with like-minded peers.

The inaugural session of the event was graced by prominent figures, including Dr. Mayank Patel, the Head of the Department of Computer Science and Engineering at GITS, and Ms. Ruchi Vyas, the Faculty Advisor for GDSC.

Valedictory session will be done after the completion of Google Cloud Study Jams month long campaign
successfully in the last week of October or first week of November.

The Google Cloud Study Jam is designed to offer students a comprehensive understanding of Google Cloud Platform (GCP) and its versatile capabilities. Whether you're a beginner or looking to enhance your GCP skills, this seminar provides valuable insights. The dynamic learning experience covers essential topics, including the introduction to GCP, GCP Compute Services, Storage and Databases, Networking in GCP, and advanced areas like Big Data, Machine Learning, and Generative AI.

The Google Cloud Study Jam campaign has yielded fantastic outcomes, empowering members with knowledge in Google Cloud Platform (GCP). The success reflects the dedication of our community, and we extend congratulations to participants and gratitude to Dr. Mayank Patel(HOD,CSE), Ms. Ruchi Vyas(Ass.Professor,CSE), organizers, mentors, and partners who made this endeavor possible.

WORKSHOP
ON
AR/VR

7 November,2023

The AR-VR Technology Workshop on November 7, 2023, organized by the Department of Computer Science & Engg., held at Kendriya Vidyalaya, Pratapnagar,features three expert resource persons: Dr. Mayank Patel, Dr. Paras Kothari, and Ms. Payal Sachdev. With 80 participants in attendance, the workshop, coordinated by Dr. Mayank Patel and Dr. Paras Kothari, aims to inform students about the significance of Virtual and Augmented Reality in shaping modern careers. This offline event is designed to provide valuable insights into the importance of AR-VR technologies in today's era.

The visit focused on imparting basic knowledge about Augmented Reality (AR) and Virtual Reality (VR) to students. Facilitators and the team elaborated on different aspects and applications of AR-VR, conducting an engaging educational demonstration. Participants, reacting enthusiastically, posed questions, and the resource persons provided insightful answers. The workshop concluded with a round of queries, enhancing the interactive and informative nature of the session.

The school principal Mr. D.B. Singh along with the other staff members and the participants thanked the team. They felicitated the resource persons by vote of thanks and requested them to conduct such an interesting and knowledgeable workshops in future as well.

Participants had the knowledge of AR VR, their applications and a variety of tools. They also knew that a person's basic career can be based on an electronic device, such as the computer, and other modern AR-VR devices.

WORKSHOP
ON
AR/VR TECHNOLOGY
2 December,2023

AR-VR Technology Workshop, scheduled on December 2, 2023, organized by the Department of Computer Science & Engg.,held at Talent Academy, Dabok,Udaipur. Features Ms. Payal Sachdev as the sole resource person for an anticipated 50 participants. Led by the coordination of Dr. Mayank Patel, the workshop's primary objective is to enlighten students about the contemporary relevance and impact of virtual and augmented reality technologies on career choices. The offline event aims to bridge the gap between theoretical knowledge and real-world implications, offering a unique learning experience for all participants.
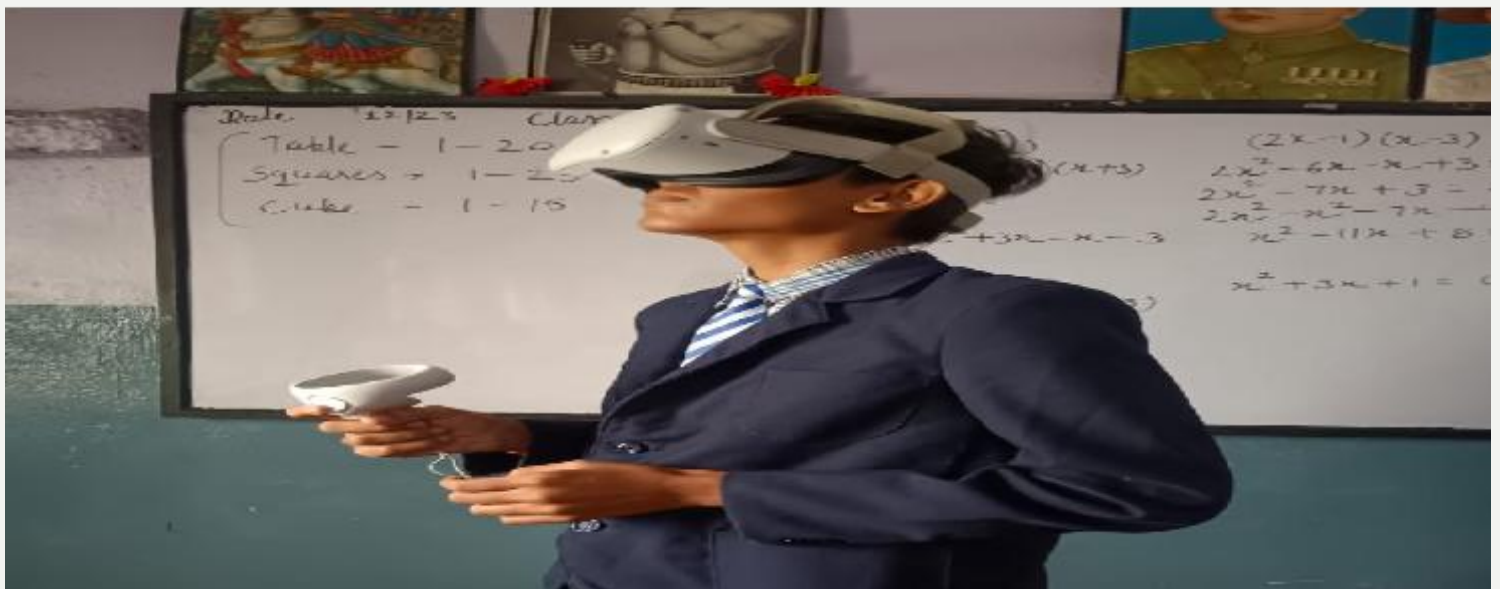
The visit focused on educating students about augmented reality and virtual reality (AR-VR), with the team presenting comprehensive explanations and engaging demonstrations. The participants, enthusiastic and inquisitive, asked questions and received thoughtful and entertaining responses. The workshop concluded with a round of questions, and the school expressed gratitude, felicitating the resource persons and requesting future workshops of similar interest and knowledge.

Participants learned about AR and VR, their uses, and recognized the potential for technology, including computers and modern AR-VR equipment, as a primary source of income.

Expert Talk

EXPERT TALK
ON
BEYOND THE BOOKS: CRAFTING STUDENTS IN DIGITAL AGE OF AI
26th August, 2023

The Department of Computer Science and Engineering organized an Expert Talk on Beyond the Books: Crafting Students in Digital Age of AI, to enhance student's knowledge of AI.

The program was held on 26th August, 2023 between 11:00 AM to 12:00 Noon, in offline mode and the resource person was Mr. Siddharth B. Director - Technology (Cognizant Technology Solutions)

The program began with a lamp lighting ceremony, followed by the welcome address from Dr. Mayank Patel, HOD CSE, who warmly welcomed all the esteemed dignitaries and participants. Dr. N.S. Rathore, Campus Director of GITS, along with all Heads and Deans, graced the event. Dr. Rathore addressed the gathering, sharing his thoughts on the digital era, emphasizing how one can thrive in the digital world through knowledge acquisition using online tools. He highlighted the significance of knowledge in various programming languages, which could help students achieve higher goals. Dr. Rathore also provided valuable insights into training programs supporting unstructured education.

Mr. Siddharth Bhanawat, Director of Technology at Cognizant Technology Solutions, delivered an expert talk titled "Beyond the Book: Crafting Students in the Digital Age of AI." He initiated the session by delineating life's three primary goals - Personal, Professional, and Financial.

Stressing the importance of structured learning through reading and unstructured learning via online resources, he underscored that AI is the fusion of both these learning approaches. Bhanawat encouraged students to learn coding for innovation and problem-solving, highlighting the value of data in AI with the phrase "Data is the new oil in AI."

He motivated participants to continuously learn new technologies, gain expertise, and stay abreast of evolving technology trends.

Additionally, he informed students about the free services offered by AWS and Microsoft Azure. The session was illuminating, enlightening participants about the significance of focusing on technological advancements in the digital age of AI.

Dr. Mayank Patel, HOD CSE, summarized the key takeaways from the talk, and all participants lauded the department for organizing such an insightful expert session. The program concluded with a vote of thanks delivered by Ms. Ruchi Vyas, while Dr. Paras Kothari presented a token of gratitude to the guest speakers. As a result of this lecture, the audience will remember "Data is the new oil in Artificial Intelligence" and its profound importance.

EXPERT TALK
ON
FLUTTER TECHNOLOGY

4th December, 2023

The Department of Computer Science and Engineering organized an Expert Talk on Flutter Technology to enhance student's knowledge of Flutter Technology.

The program was held on 4th December, 2023 between 9:30 AM to 11:30 AM, in offline mode.

The resource person was Mr. Harsh Soni Mobile Engineer (Uni Cards).

The program commenced with a lamp lighting ceremony, followed by Dr. Mayank Patel, HOD CSE, extending a warm welcome to all esteemed dignitaries and participants.

Dr. N.S. Rathore, Campus Director at GITS, addressed the gathering, sharing insights into the digital era and how Flutter Technology can empower individuals in the digital world. He emphasized the significance of acquiring knowledge through online tools and how understanding various programming languages could help students reach greater heights. Additionally, he provided valuable insights into the Flutter Technology programs supporting unstructured education.

Mr. Harsh Soni, a Mobile Engineer at Uni Cards, delivered an expert talk on "FLUTTER TECHNOLOGY." He began by delineating life's three primary goals - Personal, Professional, and Financial.

He elaborated on Flutter as an open-source UI software development toolkit created by Google, highlighting its importance in developing natively compiled applications for mobile, web, and desktop from a single codebase. He further discussed the reasons for Flutter's prominence in app development.

1) Cross-Platform Development: Flutter's ability to write code once and deploy it on both Android and iOS platforms streamlines development, saving time, effort, and costs by eliminating the need for separate codebases.

2) Hot Reload: This feature enables real-time visualization of code changes without application restarts, accelerating the development cycle and fostering productivity within development teams.

3) Widget-Based Architecture: Flutter's UI construction using modular and customizable widgets simplifies UI development, facilitating visually appealing and maintainable user interfaces.

Flutter's significance lies in simplifying cross-platform development, enhancing productivity, and delivering high-performance applications. As the framework continues to evolve, its impact on the app development landscape grows.

Dr. Mayank Patel, HOD CSE, summarized the key takeaways from the talk. Participants expressed their appreciation for the department's organization of such an insightful expert session. The program concluded with a vote of thanks by Ms. Ruchi Vyas. Dr. N.S. Rathore and Mr. B.L. Jangir, the Finance Controller, expressed gratitude to the expert.

As a result of this lecture, the audience will remember the significance of "Data is the new oil in Artificial Intelligence."

Seminar

SEMINAR
ON
AWARENESS OF PROMISING DIGITAL TECHNOLOGIES

26th July, 2023

The Department of Computer Science and Engineering organized a seminar titled "Awareness of Promising Digital Technologies" to enlighten students about the significance of AR-VR

Technology in today's modern era and showcase how this technology can significantly contribute to shaping their careers.

The program occurred on July 26, 2023, conducted in offline mode at Government Senior Secondary School in Dabok, Udaipur. A team of three students, accompanied by Assistant Professors Mr. Vishal Jain and Ms. Payal Sachdev from the CSE department, visited the school on the occasion of Kargil Vijay Diwas.The primary objective of the visit was to familiarize students with the fundamental knowledge of AR-VR (Augmented Reality-Virtual Reality). The visiting assistant professors and the team explained various aspects of AR-VR, elucidating their applications. A practical demonstration was the highlight of the seminar, which enthused the participants as they experienced AR-VR firsthand.

They posed numerous queries to the resource persons and were pleased and grateful upon receiving interesting answers. A round of queries followed the seminar. Mrs. Sonal Heda, the school principal, along with other staff members and participants, expressed gratitude to the team.

They honored the resource persons with 'uparna' and requested more such engaging and informative seminars in the future. The participants gained insights into AR-VR, comprehended their applications, and learned about various tools associated with them. They realized how an electronic device like a computer, coupled with modern AR-VR devices, can form the foundation for a successful career.

SEMINAR
ON
ENGAGE AND EXPLORE

16th September, 2023

The Department of Computer Science and Engineering, along with GDSC, organized a seminar titled "Engage and Explore" to inspire students to immerse themselves in the realm of technology, discover their passions, and take initial strides toward a tech-oriented career.

The program took place on September 16, 2023, from 9:30 AM to 11:30 AM, conducted in offline mode.

The inaugural was attended by the followings:
1. Dr. Mayank Patel, HoD CSE, GITS
2. Ms. Ruchi Vyas, Faculty Advisor GDSC
3. Students

The primary objective of this session was to encourage students to delve into technology, explore their interests, and embark on a tech-focused career journey. Attendees gained insights into various domains and received guidance on where to commence their tech exploration. Additionally, they learned about the support offered by GDSC to aid in their success within the tech realm.

The domains covered in this session encompassed AI/ML, Competitive Programming, Web Development, App Development, AR/VR, Game Development, IoT, Blockchain, Cloud and Database Management System, UI/UX, Digital Marketing, among others.

During the Valedictory Session, we acknowledged the winners of the Quiz focused on new tools and technologies. Dr. Mayank Patel, our esteemed HOD, delivered motivational insights for the bright futures of the attendees. The entire GDSC team expressed immense delight in hosting this highly enthusiastic audience.

This session aimed to introduce new first-year students to various technology domains and help them grasp the potential and miraculous solutions achievable through technology. We presented a roadmap for mastering any domain, starting from the beginner level, and outlined how they could commence their tech journey as freshmen. We extend our sincere gratitude to Dr. Mayank Patel and Ms. Ruchi Vyas for providing us with this invaluable opportunity to host an informative and inspiring session.
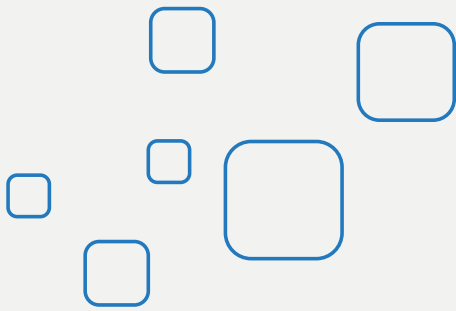
Coding Event

CODE BATTLE 2.0
18th August, 2023

The Department of Computer Science and Engineering at GITS, Udaipur, organized a Coding Competition for BTech (CSE) students on August 18, 2023. The event was initiated under the supervision of Dr. Mayank Patel, HOD CSE, and had Dr. N. S. Rathore, Director GITS, as the esteemed guest. Approximately 50 enthusiastic participants attended the event, where they were given two hours to solve the provided problems. The questions were crafted on the online platform HackerRank, encompassing three coding challenges and ten aptitude questions. This format aimed to expose students to out-of-the-box thinking, problem-solving skills, analytical thinking, and online coding. The students thoroughly enjoyed the event, expressing that it was a valuable opportunity to enhance their coding skills and logical thinking.

Leaderboard

Rank	User	Score	Time	Country
1	vaishali_alw1	30.00	4:04:33	India
1	adityajain887531	30.00	4:21:04	India
1	rm430950	30.00	4:26:15	India
4	gajsingh945	15.00	1:54:26	India
4	himanshirathore1	15.00	2:21:10	India

Ms. Ruchi Vyas, Asst. Prof. and faculty coordinator, organized the event under the supervision of Dr. Mayank Patel, HOD CSE, with Dr. N. S. Rathore, Director GITS, as the guest. The competition smoothly took place on an online coding platform, with real-time rankings displayed on a leaderboard. Participants were able to track their current ranks while the contest was ongoing. Winning students were honored with gold and silver medals along with certificates. The Valedictory Session commenced at 3:30 PM on December 1st, with Dr. N. S. Rathore, Director GITS, as the Guest of Honor. Dr. Mayank Patel, HOD CSE, summarized the event, highlighting participation details, event specifics, and the advantages of such competitions. Students engaging in coding contests were expected to have acquired knowledge of online coding platforms and a practical approach to problem solving.

S.No.	Student Name	Year	Winner
1	Vaishali	III C	I
2	Aditya Dhing	III A	II
3	Rudransh Maheshwari	III C	III
4	Aditya Singh	III A	IV
5	Himanshi Rathore	III A	V

S.No.	Name of Student	Score
1	Ruchika Jain	20
2	VAISHALI	20
3	Kulvardhan	18
4	Vishakha Sahu	18
5	Aditya Dhing	16
6	Sanyam Upadhyay	16
7	Munnawar Hussain	16
8	JAGRATI SHRIMALI	14
9	Himanshi Rathore	14
10	Rudransh Maheshwari	12

INTRODUCTION TO COMPETITIVE PROGRAMMING AND ALGOZENITH

28th September, 2023

The AlgoZenith Campus Connect Club organized a coding event titled "Introduction to Competitive Programming and AlgoZenith" on September 28, 2023, from 10:00 AM to 11:45 AM. The event, held offline in the CSE Seminar Hall at GITS Campus, and had 1 resource person Nishant Arora and welcomed 146 participants. Ms. Ruchi Vyas, Nishant Arora, Shashwat Sharma, Lokesh Kumar Monani, Kavish Shrimali, Lakshika Sarupriya, Yashvi Chittora, Animesh Bhatt, and Yash Chittora coordinated the event.

This program aimed to bolster students' competitive coding skills, readying them for placements, nurturing development skills, expanding knowledge, fostering connections among like-minded individuals, and fostering personal growth.

The inaugural session was attended by Dr. Mayank Patel, HoD CSE, GITS; Ms. Ruchi Vyas, Faculty Advisor GDSC, and enthusiastic students.

AlgozenithXGITS introduced students to competitive programming, covering fundamental steps and focusing on problem-solving strategies and productivity enhancement. Esteemed peers shared insights and detailed aspects crucial to Competitive Coding. Engaging activities were incorporated to sustain interest and challenge participants.

Efficient preparation before venturing into competitive programming was highlighted for its significance in preventing compatibility issues and wise resource allocation, aiding in comprehending the key elements.

The event concluded successfully, recognizing coding champions with exceptional problem-solving skills. Participants refined coding abilities, experienced complex problem-solving, and fostered a sense of community through networking. Prizes and recognition were awarded to top performers, and knowledge sharing facilitated skill development, inspiring attendees to explore the boundaries of coding.

ALGOZENITH CODING CHALLENGE AND PROJECT DEVELOPMENT

11th December, 2023

The AlgoZenith Club at GITS, Udaipur, organized a Coding Competition for BTech (CSE) students on December 11, 2023. The event comprised two rounds: the initial coding round from 9:00 AM to 12:00 Noon and the subsequent project development round from 9:00 AM to 1:00 PM.

The primary aim was to identify and celebrate coding talent within the CSE community, offering students a platform to showcase their coding skills and project development capabilities. The inaugural session witnessed the presence of:

1. Dr. Mayank Patel, HOD CSE, GITS
2. Ms. Ruchi Vyas, Faculty Advisor AlgoZenith
3. Students

Coding Round:

Teams, consisting of 2 to 3 participants from the 2nd and 3rd years of the CSE program, engaged in a challenging coding round on HackerRank. Their task was to solve three problems within the stipulated time frame. Marking criteria favored timely and accurate solutions.

Project Development Round: The top-performing teams advanced to the Project Development Round, addressing problem statements in domains such as AI/ML, Web/App Development, Mobile, Game Develop, IoT, Blockchain, and UI/UX. The resulting projects were subsequently uploaded to team leaders' GitHub accounts.

The event concluded with a valedictory session emphasizing the importance of effective preparation in competitive programming. Recognition and prizes were awarded to the coding champions, fostering a sense of accomplishment and motivation. The Coding Extravaganza culminated successfully, revealing exceptional coders and project developers. Participants honed their coding and problem-solving skills, while networking opportunities bolstered a sense of community. Recognition and prizes celebrated the top performers, and the event inspired attendees to push their coding boundaries, contributing to the overall growth of the coding community at Geetanjali Institute of Technical Studies.

Devfest

DEVFEST GITS - 2023

3rd December,2023

The Department of Computer Science and Engineering and GDSE organized Tech Extravaganza - A full-day event, DevFest GITS-2023, on 3rd December 2023, from 09:00 am to 05:00 pm, which saw the participation of 179 attendees. It was scheduled in offline mode at The Third Space, Bhuwana. The event was coordinated by Ms. Ruchi Vyas and Team GDSC, and was resourced by Ms. Nikita Bagora (Product Manager, MNC), Ms. Punita Ojha (Head, Google Developer Groups), Mr. Ajay Raj Acharya (Co-Founder, Obbserve & O+), Mr. Harsh Soni (Flutter Developer), Mr. Bhavya Chawda (Cloud Infrastructure Developer, Apperfect), Ms. Anshu Kothari (Senior Vice President, UCCI).

The main objective of this event was to help students and peers build their development skills, gain knowledge, connect with like-minded people, and grow as individuals.

In the inaugural session, the following were present Dr. N.S. Rathore (Campus Director, GITS), Mr. Kapil Agrawal (Chairman, Geetanjali Groups), Ms. Kanika Agrawal (Chairman, Geetanjali Groups), Mr. B.L. Jangid (Finance Controller, GITS), Dr. Mayank Patel (HOD, CSE- GITS) and Mr. Arvind Singh Pemawat (Head, CDC- GITS).

GDSC Geetanjali Institute of Technical Studies presents DevFest GITS 2023, a full-day tech extravaganza. The event featured five enlightening tech talks, covering a spectrum of topics from cutting-edge technologies to industry insights.

The event featured enlightening tech talks by Ms. Nikita Bagora (Product Manager, MNC) on "Navigating the Future: Unleashing the Power of AI/ML," Mr. Ajay Raj Acharya (Founder, Observe) on "Beyond Boundaries: Pioneering Entrepreneurship in a Dynamic World," Mr. Bhavya Chawda (Cloud Infrastructure Developer, AppPerfect) on "Sailing with Kubernetes: Navigating the basics of container orchestration and beyond," Dr. Anshu Kothari (Sr. Vice President, UCCI) on "From Awkward to Awesome (7 Ways to Handle job Interview Questions for Engineers)," and Mr. Harsh Soni (Flutter Developer, Uni cards) on "Flutter and Firebase: A symphony of real-time dataflow for modern apps," covering a spectrum of topics from cutting-edge technologies to industry insights.

DevFest GITS 2023 wasn't just about theory; it was about practical engagement. The tech-related activities provided a hands-on experience, allowing participants to apply newfound knowledge and skills. Tech enthusiasts and industry professionals alike convened to explore, learn, and share insights. The diverse array of five tech talks became a fountain of knowledge, amplifying our understanding of cutting-edge technologies. The networking opportunities opened doors to new friendships, partnerships, and potential collaborations that extend far beyond the confines of the event. The discussions, brainstorming, and exploration of diverse areas sparked innovative solutions. Participants left with not just answers but a renewed sense of curiosity and a toolkit of ideas to tackle real-world challenges.
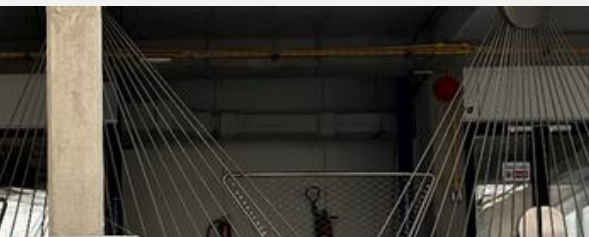
Alumni Talk

ALUMNI TALK
ON
PLACEMENT OPPORTUNITIES IN IT SECTOR
29th July, 2023

The Department of Computer Science and Engineering organized an alumni talk on placement opportunities in the IT sector on July 29, 2023, in which 40 participants enthusiastically participated. The talk was scheduled online on Google Meet (https://meet.google.com/hth-gzei-axr) from 11:00 am to 12:30 pm. The event was coordinated by Ms. Ruchi Vyas, and the resource person was Mr. Harsh Soni, SDE 1 - Mobile app developer at Smallcase (Tickertape).

The main objective of this online interaction was to provide career guidance to our students for better career opportunities in the IT sector. In the inaugural session, Dr. Mayank Patel, HoD CSE at GITS, Ms. Ruchi Vyas, Assistant Prof CSE at GITS, Mr. Harsh Soni, our esteemed alumni guest, and the faculties of the CSE Department were present.

The program was inaugurated by Ms. Ruchi Vyas, who welcomed the cherished alumni and participants. In her welcome speech, Dr. Mayank Patel shared his views with the students, emphasizing that attending such webinars for career guidance would be highly beneficial.
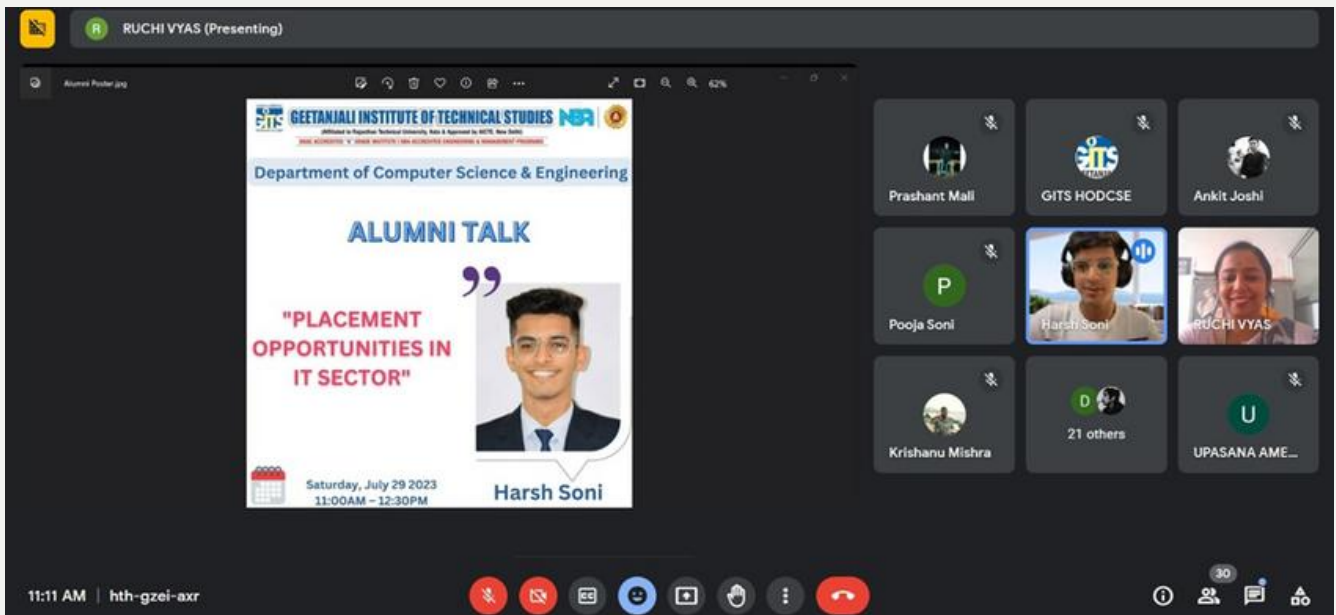
He also welcomed Mr.Harsh Soni and stressed the importance of a strong alumni network. Mr. Harsh Soni began by discussing his role at Tickertape, providing an introduction to the company and the technologies he works with.

He highlighted the significance of projects undertaken during college, discussed various communities on Twitter, and explained how these communities contribute to securing placements. Mr. Soni listed the preparations required for placement, including insights into IN TIME TECH and interview questions.
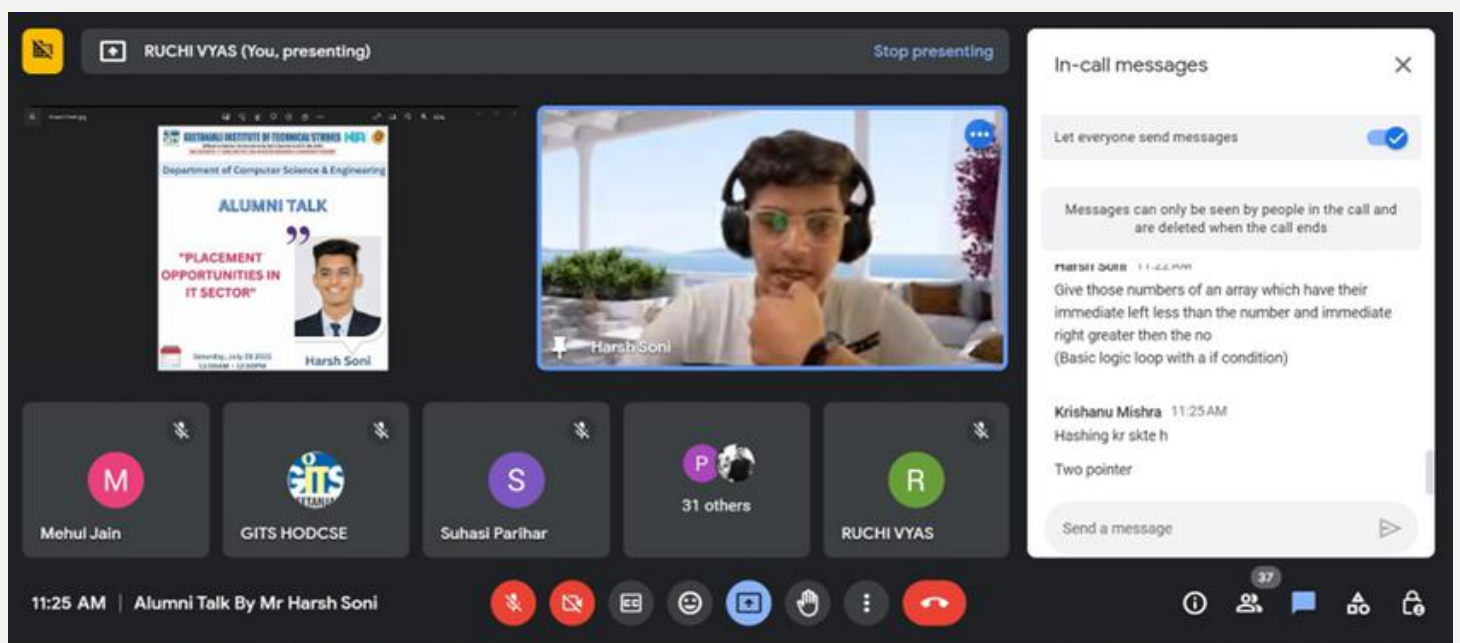
He presented data structure problems for students to solve, emphasizing the importance of data structures, algorithms, and proficiency in languages like C and Java. Mr. Soni offered a clear picture of internship opportunities, mentioned the Internshala platform, and stressed the importance of NPTEL courses.

Students gained a clear understanding of the areas to focus on for successful interviews and the suggested career opportunities. Dr. Mayank Patel, the event coordinator, summarized the outcomes of the online alumni interaction program and expressed gratitude to Mr. Harsh Soni. All participants appreciated the department for organizing such webinars.

Juniors gained knowledge about various interview techniques, communication skills improvement, and the importance of final year projects.
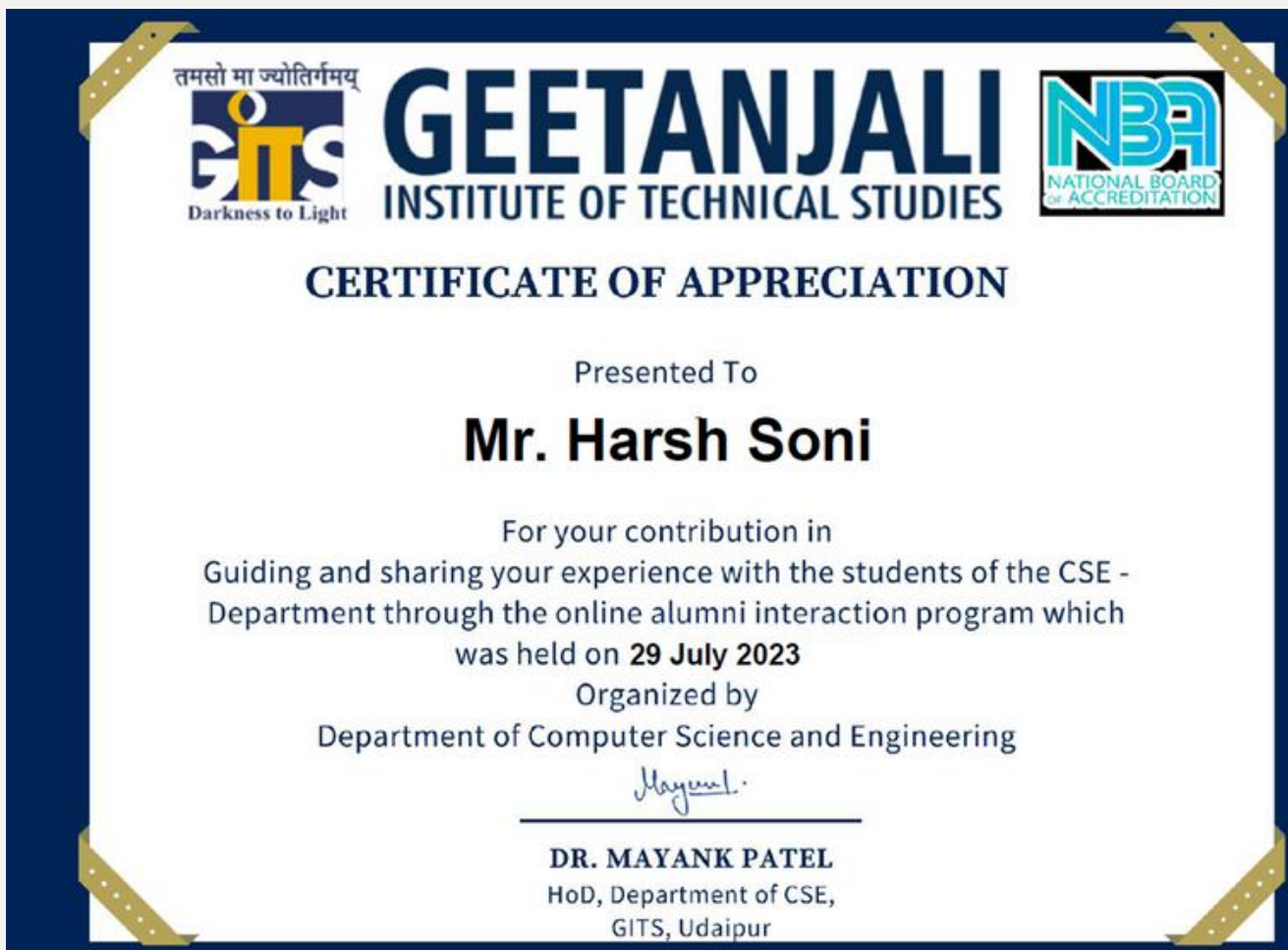
ALUMNI TALK
ON
IT INDUSTRY INSIGHTS
30th September, 2023

The Department of Computer Science and Engineering organized an alumni talk on IT Industry Insights on september 30th, 2023, in which 40 participants enthusiastically participated. The talk was scheduled online on Google Meet https://meet.google.com/dbg-sazt-dpe from 10:00 am to 11:00 am. The event was coordinated by Ms. Ruchi Vyas, and the resource person was Mr. Viplov jiwnani.

This online interaction is organised to give career guidance to our students for better career opportunities and get placements. In inaugural session following were present Dr. Mayank Patel, HoD CSE, GITS ,Ms Ruchi Vyas Asst Prof CSE,GITS ,Mr Viplov Jiwnani, Alumni Guest (Batch 2022) and all the Faculties, CSE Department.

The programme was inaugurated by Ms Ruchi Vyas Asst Prof CSE, GITS by welcoming the cherished alumni and participants. In welcome speech Dr. Mayank Patel shared his views with the students that if they want to get career guidance, then attending such webinars would help you a lot and welcome our eminent alumni Mr Viplov Jiwnani. Sir also brief the importance of strong alumni network.
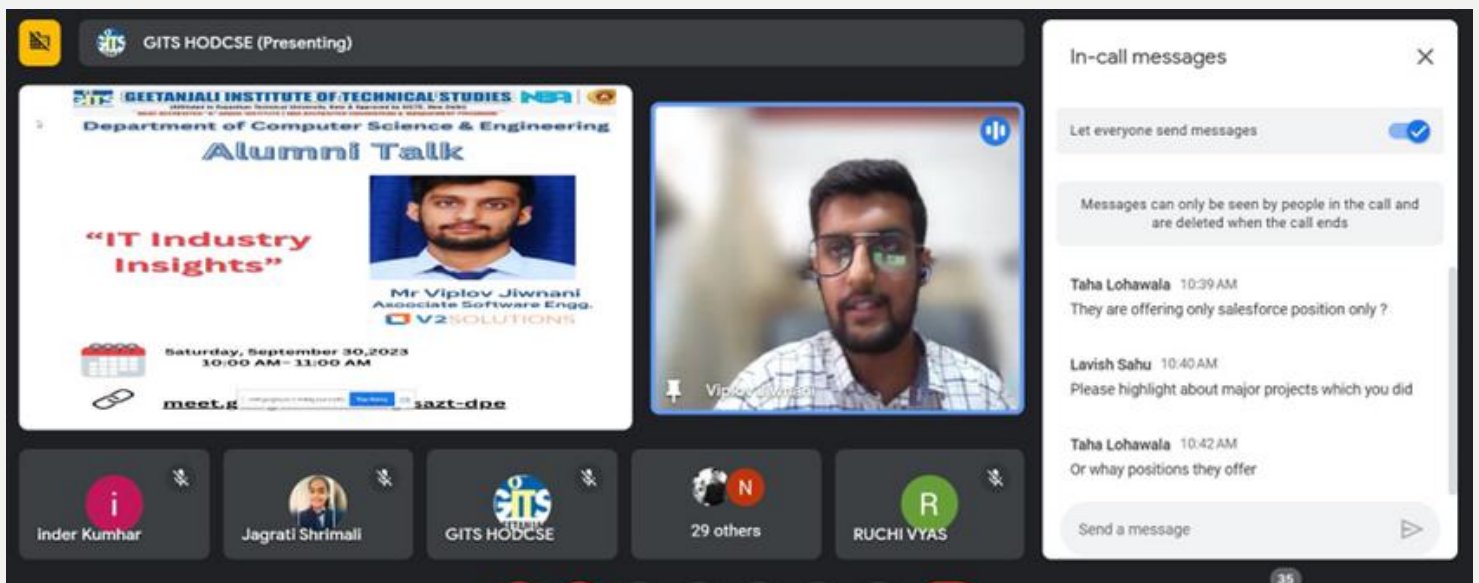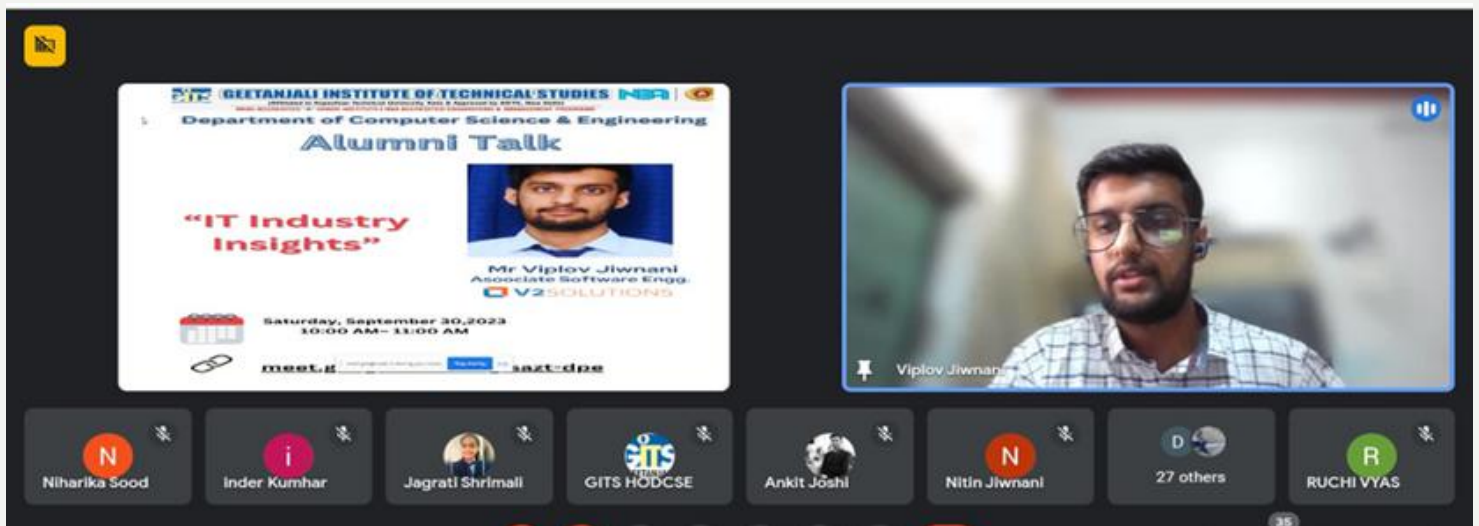
Mr. Viplov Jiwnani began by discussing his role in V2 Solutions and provided an introduction to the company and the technology (Salesforce) he is working on in Udaipur. He also talked about the importance of projects undertaken during college and informed students about various communities on Twitter, highlighting how these communities assist in securing placements. He listed the preparations required for placements, specifically focusing on V2 Solutions, interview questions, and the level of preparation needed during the second, third, and final years. Mr. Jiwnani presented various data structure problems, urging students to solve them and provide solutions. He stressed the importance of data structures, algorithms, and proficiency in languages like C, Java, and gave a clear picture to students on available internship opportunities, including the Internshala platform, and the importance of NPTEL courses.

Students gained a clear idea about the areas on which emphasis should be placed to excel in interviews. Mr. Viplov Jiwnani also suggested various areas in which students can ensure the best career opportunities.

Dr. Mayank Patel, Professor and Head, CSE, and event coordinator, summarized the outcomes of the online alumni interaction program and expressed gratitude to our keynote alumnus, Mr. Viplov Jiwnani. All participants appreciated the department for organizing such webinars.

After this program, juniors gained knowledge about various interview techniques and how to improve communication skills. Additionally, Mr. Jiwnani explained the importance of final year projects.
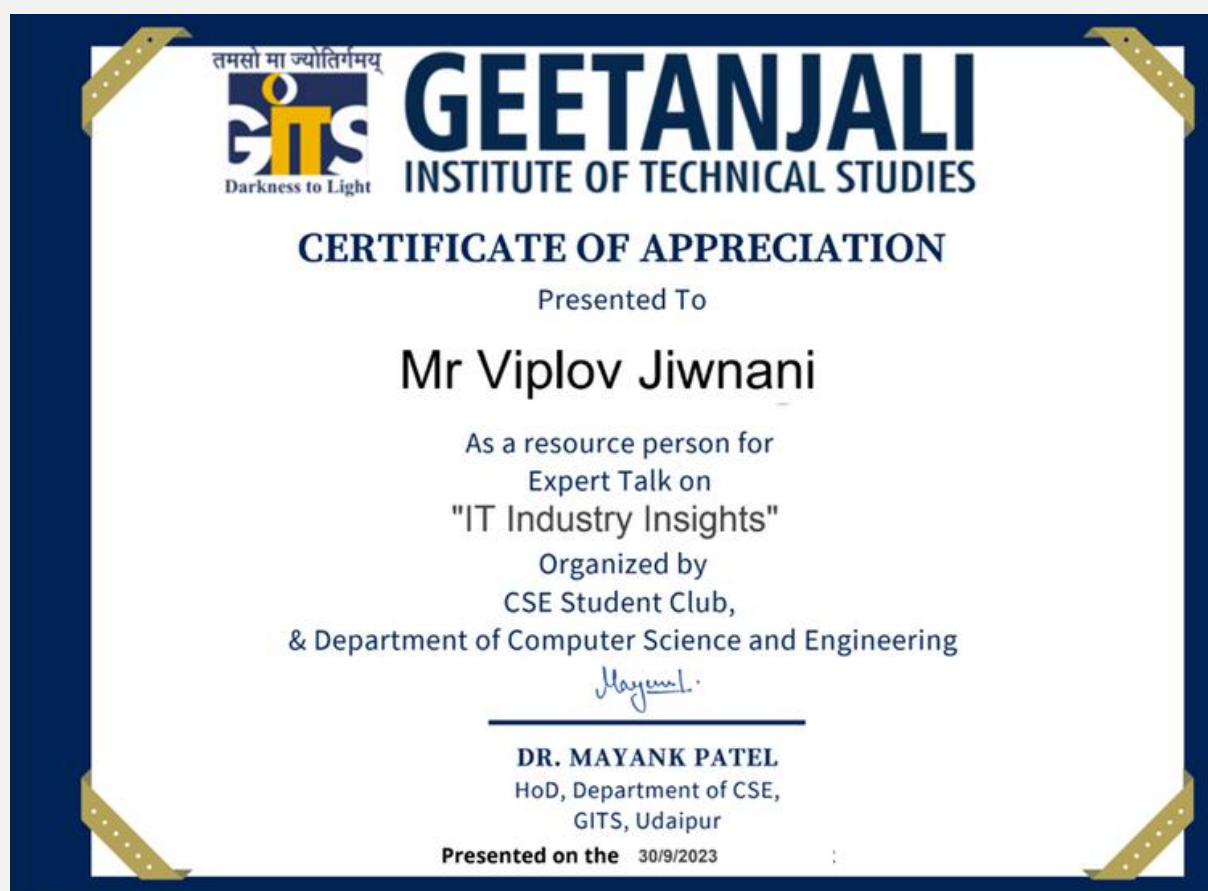
ALUMNI TALK
ON
PLACEMENT OPPORTUNITIES IN IT SECTOR

2nd December, 2023

The Department of Computer Science and Engineering organized an alumni talk on placement opportunities in the IT sector on December 2nd, 2023, in which 40 participants enthusiastically participated. The talk was scheduled online on Google Meet from 11:00 am to 12:30 pm. The event was coordinated by Ms. Ruchi Vyas, and the resource person was Ms. Riya Soni.

The main objective of this online interaction was to provide career guidance to our students for better career opportunities in the IT sector. In the inaugural session, Dr. Mayank Patel, HoD CSE at GITS, Ms. Ruchi Vyas, Assistant Prof CSE at GITS, Ms. Riya Soni, our esteemed alumni guest, and the faculties of the CSE Department were present.

The program was inaugurated by Ms. Ruchi Vyas, Assistant Professor CSE, GITS, who welcomed the cherished alumni and participants in her opening speech. Dr. Mayank Patel shared his views with the students, emphasizing that attending such webinars would greatly help in obtaining career guidance. He also welcomed our eminent alumna, Mr. Riya Soni. Dr. Patel also briefed the importance of a strong alumni network.

Mr. Riya Soni began by discussing his role at Tickertape and introduced the company and the technologies he works with. In addition, he talked about the significance of projects undertaken during college. Mr. Soni informed students about various communities on Twitter and how participating in these communities aids in securing placements. He outlined the preparations required for placements, specifically focusing on IN TIME TECH, interview questions, and the level of preparation needed during the second, third, and final years of college. Riya presented various data structure problems, urging students to solve them and provide solutions. He stressed the importance of data structures, algorithms, as well as proficiency in languages such as C, Java, and provided a clear picture of available internship opportunities, including the Internshala platform. Riya also highlighted the importance of NPTEL courses.

Students gained a clear understanding of the areas on which emphasis should be placed to excel in interviews. Mr. Riya Soni also suggested various areas in which students can ensure the best career opportunities.

Dr. Mayank Patel, Professor and Head, CSE, and event coordinator, summarized the outcomes of the online alumni interaction program and expressed gratitude to our keynote alumnus, Mr. Riya Soni. All participants appreciated the department for organizing such webinars.

After this program, juniors gained knowledge about various interview techniques and how to improve communication skills. Additionally, Mr. Soni explained the importance of final year projects.

Internal Hackathon

INTERNAL HACKATHON FOR SMART INDIA HACKATHON-2023

22nd September, 2023

The Department of Computer Science and Engineering organized an Internal Hackathon for SIH-2023 on 22nd September 2023, in which 19 teams participated. The total number of students who participated was 114, out of which 37 were female participants, and the remaining 77 were male participants. The hackathon was scheduled in offline mode.

The inaugural event started on 22nd September 2023 at 10:30 A.M. and, in this inaugural function, the following were present Dr. N. S. Rathore, Director, GITS, Mr. B.L. Jangir, Finance Controller, GITS, Dr. Mayank Patel, SPOC-SIH23, HOD CSE, GITS, Dr. Manish Verma, HOD Civil, GITS, Dr. Deepak Palwal, HOD ME, GITS, Dr. Amrut Anil Rao Purohit, HOD ECE, GITS, Dr. Raunak Jangid, HOD EE, GITS, Dr. Jitendra Singh Chouhan, HOD, MCA, GITS ,Mr. Arvind Singh Pemawat, Head CDC, GITS and all the faculties and participants, GITS.

Problem Statement Attempted Details:

S. No.	Problem Statements (PS) attempted by teams	Total number of teams Participated against each PS
1	(SIH-58) Difficulty in operating Heavy earth moving machineries during rainy season 4-5 months due to extremely poor visibility conditions leading to significant loss of excavation and production.	1
2	(SIH-1281) Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India.	1
3	(SIH-1313) A system of IoT Devices to prevent under-loading / overloading of Railway wagons.	1
4	(SIH-1327) Developing a system for Patient Care in the Health Sector.	2
5	(SIH-1346) Chatbot to Find Prakriti of an Individual.	1
6	(SIH- 1353) Innovative solution for reducing AT and C losses due to power pilferage in electrical sector.	1
7	(SIH-1363) Identifying Mental health status and get guidance for support.	
8	(SIH-1369) Online integrated platform for projects taken up by the students of various universities/colleges.	1
9	(SIH-1375) Geo-tagging of plantation in catchment area of hydro project.	1
10	(SIH-1382) Real-Time Vehicle Tracking system.	2

11	(SIH-1393) Water and Electricity Tracking App.	1
12	(SIH-1396) Developing Virtual Reality based solutions.	1
13	(PS - 1400) Uncontrolled growth of water Hyacinth in lakes.	1
14	(SIH-1401) "App-Based Solution to identify and solve disease in plants/crops.	1
15	(SIH-1490) Student Innovation.	1
16	(SIH-1492) Student Innovation, theme - Medtech/Biotech/Healthtech.	1
17	(SIH-1512) Centralized Monitoring System for Street Light Fault Detection and Location Tracking.	1

Nominated Team:
Shortlisted Teams (20)

S.No.	Category	Problem Statement Number	Organization Name	Name of Team	Team Leader Name
1	Hardware	SIH-1512	Department of Science & Technology (DoST), Ministry of Science and Technology.	Phantom Troupe	Kushal Sharma
2	Software	SIH-1369	Ministry of Culture	Data Divulgers	Harsh Deo Sharma
3	Hardware	SIH-1353	Coal India Limited	VICTORY BUDDIES	Manish Sahu
4	Hardware	SIH-1375	Coal India Limited	TECH TITANS	Mohd. Rehan
5	Hardware	SIH-1327	All India Council for Technical Education (AICTE).	Ekyaam	Harshita Singh Dulawat
6	Software	SIH-1492	All India Council for Technical Education (AICTE).	QuantumX	Mehul Pokharna
7	Hardware	SIH-1313	Central Water Commission (CWC), Ministry of Jal Shakti	CHECKMATES	Yashashav Goyal
8	Software	SIH-1346	Coal India Limited	Tech Whizzes	Shashank Prajapat

9	Hardware	SIH1327	Department of Empowerment of Persons with Disabilities(Divyangjan) , Ministry of Social Justice and Empowerment	Saathi	Nitya Vijayvargiya
10	Hardware	PS - 1400	NIFTEM Thanjavur ,Ministry of Food Processing Industries (MoFPI)	Debugging Earth	Harshit Borana
11	Software	SIH-1401		Phoenixblaze	Rhythm Sharma
12	Software	SIH-1382		Synergy	Priyansh Saxena
13	Hardware	SIH-58		Goal Digger"s	Sakshi Soni
14	Software	SIH-1382		Aloha Welt	Denim Sahu
15	Software	SIH-1363		Future Fusionist	Mahima Purohit
16	Software	SIH-1490		Highway Hackers	Aditya Dhing
17	Software	SIH-1396		NEXTEL	Shubhanshu Shrimali
18	Software	SIH-1281		TechZeals	Rudransh Maheshwari
19	Software	SIH-1393		Phantom Troupe 1	Kushal Suthar

Jury Details: Below are the Judge Details

S.No	Name	Designation	Organization	Mobile No.	Mail Id
1	Mr. Saurabh Srivastava	System Engineer	Infosys Limited	8239785381	saurabhsri2028@gmail.com
2	Mr. Milind D Jain	Software Engineer	Birlasoft	9588982284	jmilind1234@gmail.com
3	Mr. Nikhilesh Tayal	Sr. AI/ML analyst	NIMO Labs India Pvt ltd	82900 72676	ntayal@vidsaga.com
4	Mr. Lokesh Puri Goswami	Director	Angirus Ind Pvt Ltd	9694151808	lpgoswami@angirusind.com
5	Mr. Siddarth Jain	Founder & CEO	Systech Developers	7230822223	siddarth.ceo@systechdevelopers.com
6	Mr. Shekhar K	Co-Founder & COO	Systech Developers	7230822223	shekhar.coo@systechdevelopers.com

GITS organized Internal Hackathon as an initial step to participate in Smart India Hackathon – 2023 on 22nd September, 2023. In this Hackathon, the participants proposed the solution for the given problem statements by different Government Ministries and Industries after working for continue 24 Hours. After rigorous evaluation top 20 teams are nominated by the college to participant in Smart India Hackathon-2023.

S.No.	Date	Time	Description
1	22-09-2023	9:00 AM	Registration and Seat Allocation
2	22-09-2023	9:15 AM	Start work on the SIH problem statements
3	22-09-2023	10:30 AM	Inaugural Function
4	22-09-2023	11:00 AM onwards	1st Round of Judging
5	22-09-2023	12:15 PM to 12:45 PM	Lunch
6	22-09-2023	12:45 PM Onwards	2nd Round of Judging
7	22-09-2023	2:30 PM -3:00 PM	Buffer period for response to the judge
			queries/suggestions
8	22-09-2023	3:00 PM - 3:30 PM	Result Declaration and Valedictory

The program was inaugurated by Dr. Mayank Patel, who welcomed all the esteemed dignitaries and participants. Ms. Ruchi Ameta, Assistant Professor at GITS, welcomed our eminent guests and participants. Ms. Ruchi briefed on the importance of Smart India Hackathon and how this event will change the world in terms of technology and work culture.

Dr. N.S. Rathore, Campus Director at GITS, welcomed the guests and jury members, sharing valuable insights about the competition. He motivated the participants to seize this opportunity to apply knowledge, skills, intellectuality, innovativeness, and creativity. He elaborated on the right steps to be followed, preparing for such competitions, understanding the basic objectives, goals, and guidelines, forming a team, selecting a topic, and conducting research. Dr. Rathore encouraged participants to keep taking up such opportunities with excitement in their mindset and wished them luck.

Students reported to the allocated space and continued their work to provide the best solutions for the selected problem statements. The first round of judging was done at 11:00 AM, where judges understood the solution approach of the teams and gave suggestions. PPTs were evaluated during this time, and teams were given changes.

The second round of judging was done at 12:45 PM, evaluating teams on parameters such as Solution Approach, Criticality, Impact, Technology, and Innovation. By the end of the judging round, results were accumulated, and teams were finalized to be nominated. After final evaluation, teams were nominated.

Receiving an overwhelming response with participants, this event concluded with a valedictory session, graced by guests and all judges. Dr. N. S. Rathore and Mr. B.L. Jangir gave mementos to judges as a token of appreciation. Dr. Mayank Patel declared the winning teams and congratulated them, expressing gratitude to the gathering. He shared valuable thoughts about teamwork, working on problems with the right bonding and team spirit, and presenting solutions. Dr. Patel motivated participants to interact with jury members for guidance. All participants were appreciated with certificates of participation by esteemed judges and directors. Dr. N.S. Rathore felicitated all the winners, encouraging them to convert their research outputs into business outcomes. The event was a success, and all winning teams were promoted to the national level SIH 2023 to present their solutions. The program ended with a vote of thanks by Dr. Mayank Patel, HOD, CSE Department.

NPTEL Achievers

NPTEL

National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD initiated by seven Indian Institutes of Technology along with the Indian Institute of Science in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels. The students of Geetanjali Institute Of Technical Studies also took advantage of the same and excelled in various courses. 49 students of the CSE branch successfully completed several courses in nptel 2023.

NPTEL

NPTEL CSE (JULY-DECEMBER 2023)					
S.no	Course Id	Course Name	Name	Certificate Type	Topper
1	noc23-cs79	Data Base Management System	Nakshatra Nagar	Successfully completed	
2	noc23-cs79	Data Base Management System	Vishakha Sahu	Successfully completed	
3	noc23-cs79	Data Base Management System	Siddhika Dhabhai	Successfully completed	
4	noc23-cs79	Data Base Management System	Harshita Kumawat	Successfully completed	
5	noc23-cs79	Data Base Management System	Harshit Paliwal	Successfully completed	
6	noc23-cs79	Data Base Management System	Khushal Suthar	Elite+Silver	Topper of 5% in this course

7	noc23-cs79	Data Base Management System	Lakshika Sarupria	Successfully completed	
8	noc23-cs97	Data Science For Engineers	Harshit Paliwal	Successfully completed	
9	noc23-cs97	Data Science For Engineers	Khushal Suthar	Successfully completed	
10	noc23-cs97	Data Science For Engineers	Nitya Vijayvargiya	Elite	
11	noc23-cs97	Data Science For Engineers	Rinku Kunwar Rao	Elite	
12	noc23-cs97	Data Science For Engineers	Sarthak Tak	Successfully completed	

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13	noc23-cs97	Data Science For Engineers	Avishi Sharma	Elite
14	noc23-cs97	Data Science For Engineers	Tisha jain	Successfully completed
15	noc23-cs97	Data Science For Engineers	Narendra Patel	Elite
16	noc23-cs85	Data Structure And Algorithms Using Java	Hitesh Kumawat	Elite+Silver
17	noc23-hs116	Developing Soft Skills and Personality	Avishi Sharma	Elite
18	noc23-hs116	Developing Soft Skills and Personality	Alina Banu	Elite
19	noc23-cs75	Ethical Hacking	Dasharath Kumar	Successfully completed
20	noc23-cs98	Introduction To Machine Learning	Krishanu Mishra	Successfully completed
21	noc23-cs98	Introduction To Machine Learning	Rinku Kunwar Rao	Successfully completed

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22	noc23-cs121	Problem Solving Through Programming In C	Divyanshi Shrimali	Elite
23	noc23-cs74	Programming In Java	Alina Banu	Successfully completed
24	noc23-cs74	Programming In Java	Chhavi Bhatia	Elite
25	noc23-cs74	Programming In Java	Manan Paliwal	Successfully completed
26	noc23-cs74	Programming In Java	Kinjal Jain	Elite
27	noc23-cs74	Programming In Java	Rudransh Maheshwari	Successfully completed
28	noc23-cs74	Programming In Java	Sanyam Upadhyay	Elite
29	noc23-cs78	Programming in Modern C++	Khushal Suthar	Successfully completed

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30	noc23-cs78	Programming in Modern C++	Mouli Shree Sharma	Successfully completed
31	noc23-cs95	Programming, Data Structures and Algorithms Using Python	Snigdha Gupta	Successfully completed
32	noc23-cs95	Programming, Data Structures and Algorithms Using Python	Vaishali	Elite
33	noc23-cs95	Programming, Data Structures and Algorithms Using Python	Nitya Vijayvargiya	Successfully completed
34	noc23-hs151	Public Speaking	Krishanu Mishra	Elite+Silver
35	noc23-cs99	Python For Data Science	Kiran Patel	Elite
36	noc23-cs99	Python For Data Science	Yash Chittora	Elite+Silver
37	noc23-hs80	Soft Skill Development	Naman Choudhary	Successfully completed
38	noc23-hs80	Soft Skill Development	Mayur Ramesh Kumar Vaishnav	Elite

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39	noc23-hs80	Soft Skill Development	Nikhil Jitendra Kumar Vaishnav	Successfully completed	
40	noc23-hs145	Soft Skills	Mouli Shree Sharma	Elite+Silver	Topper of 1% in this course
41	noc23-cs108	The Joy Of Computing Using Python	Jitendra Teli	Elite+Silver	
42	noc23-cs108	The Joy Of Computing Using Python	Hardik Sharma	Successfully completed	
43	noc23-cs108	The Joy Of Computing Using Python	Harshit Paliwal	Elite	
44	noc23-cs108	The Joy Of Computing Using Python	Jatin Dangi	Elite	
45	noc23-cs108	The Joy Of Computing Using Python	Kamlesh Chandel	Elite	

46	noc23-cs108	The Joy Of Computing Using Python	Raju Kumar Mahto	Successfully completed	
47	noc23-cs108	The Joy Of Computing Using Python	Nazre Imam	Successfully completed	
48	noc23-cs108	The Joy Of Computing Using Python	Shivam Pratap	Elite+gold	Topper of 5% in this course
49	noc23-cs108	The Joy Of Computing Using Python	Yash Chittora	Elite+Silver	

Placement

Placement

GITS is a well-renowned name in the field of Technical Education and Management studies and directly contributes to the comprehensive education scenario of the country. We strongly believe in creating future technocrats and worthy citizens. Works 24*7 to ensure employment for all students across various industries and help them get the most suitable job. The Department of Computer Science and Engineering handles campus placement of the students. The students of the Department of Computer Science have continued to make us proud by placement in many renowned companies. Details of CSE students placed from July-DECEMBER 2023 are as follows.

Placement

S.NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
1	Akshali Jain	08-08-2023	IN TIME TEC	JUNIOR SOFTWARE DEVELOPER	5.50 LPA
2	Krishanu Mishra	08-08-2023	IN TIME TEC	JUNIOR SOFTWARE DEVELOPER	5.50 LPA
3	Ritika Garg	08-08-2023	IN TIME TEC	JUNIOR SOFTWARE DEVELOPER	5.50 LPA
4	Suhasi Parihar	08-08-2023	IN TIME TEC	JUNIOR SOFTWARE DEVELOPER	5.50 LPA
5	Mohit Mali	11-08-2023	GKM IT	SOFTWARE DEVELOPER	5-7 LPA
6	Pankaj Talesra	11-08-2023	GKM IT	SOFTWARE DEVELOPER	5-7 LPA
7	Ankush Patel	09-10-2023	InternsElite	ASSOCIATE BUSINESS DEVELOPER	5 LPA
8	B.Niharika	09-10-2023	InternsElite	ASSOCIATE BUSINESS DEVELOPER	5 LPA

Placement

9	Mohit Jangid	09-10-2023	InternsElite	ASSOCIATE BUSINESS DEVELOPER	5 LPA
10	Lakshit Ameta	09-10-2023	InternsElite	ASSOCIATE BUSINESS DEVELOPER	5 LPA
11	Prashant Mali	09-10-2023	InternsElite	ASSOCIATE BUSINESS DEVELOPER	5 LPA
12	Amisha Ajith	27-10-2023	V2SOLUTION	SOFTWARE ENGINEER	4.20 LPA
13	Mohit Jangid	27-10-2023	V2SOLUTION	SOFTWARE ENGINEER	4.20 LPA
14	Priyanshi Maheshwari	27-10-2023	V2SOLUTION	SOFTWARE ENGINEER	4.20 LPA
15	Priyam Jain	27-10-2023	V2SOLUTION	SOFTWARE ENGINEER	4.20 LPA
16	Yugal Ameta	27-10-2023	V2SOLUTION	SOFTWARE ENGINEER	4.20 LPA

Placement

17	Nagendra Singh Jhala	08-11-2023	FUSION BUSINESS SOLUTION	TRAINEE ASSOCIATE	2.85 LPA
18	Harshita Ajaria	08-11-2023	FUSION BUSINESS SOLUTION	TRAINEE ASSOCIATE	2.85 LPA
19	Jay Sahu	08-11-2023	FUSION BUSINESS SOLUTION	TRAINEE ASSOCIATE	2.85 LPA
20	Rathod Himashu	08-11-2023	FUSION BUSINESS SOLUTION	TRAINEE ASSOCIATE	2.85 LPA
21	Giriraj Soni	08-11-2023	FUSION BUSINESS SOLUTION	TRAINEE ASSOCIATE	2.85 LPA
22	Anshul Thathera	08-11-2023	FUSION BUSINESS SOLUTION	TRAINEE ASSOCIATE	2.85 LPA
23	Diya Attray	26-11-2023	ADVAIYA SOLUTIONS PVT LTD.	SOFTWARE ENGINEER	4.5 LPA
24	Lokesh Soni	26-11-2023	ADVAIYA SOLUTIONS PVT LTD.	SOFTWARE ENGINEER	4.5 PLA
25	Nabiluddin	24-11-2023	SHIFT FORWARD	SOFTWARE ENGINEER	3.6 LPA
26	Sahil Nainani	24-11-2023	SHIFT FORWARD	SOFTWARE ENGINEER	3.6 LPA

Internship Drive

INTERNSHIP DRIVE
AT
KANSOCLOUD
21st July, 2023

The Department of Computer Science and Engineering organized an internship drive at KansoCloud on July 21, 2023, at 10:00 am, with the participation of 59 students. The event, coordinated by Ms. Charu Kavadia, Assistant Professor of CSE, featured key personnel from KansoCloud, including Mr. Sanket Dangi (Founder), Mr. Love Purohit (Senior DevOps Engineer), Mr. Shubham Jain (Senior Cloud Engineer), Mr. Rohit Gorana (Senior Cloud Engineer), Mr. Kapil Bokadia (Senior Cloud Engineer), and Ms. Shalini Purohit (Test Automation Engineer), as resource persons. The primary objective was to offer internship and job opportunities to VII Semester students at KansoCloud.

In the inaugural session, esteemed personalities graced the event, including Mr. Sanket Dangi (Founder), Mr. Love Purohit (Senior DevOps Engineer), Mr. Rohit Gorana (Senior Cloud Engineer), Mr. Shubham Jain (Senior Cloud Engineer), Mr. Kapil Bokadia (Senior Cloud Engineer), and Ms. Shalini Purohit (Test Automation Engineer) from KansoCloud. The event was also attended by Dr. Mayank Patel (HoD CSE, GITS), Ms. Charu Kavadia (Assistant Professor, CSE, Coordinator), Ms. Payal Sachdev (CSE VI Sem Advisor), Ms. Jyoti Kaushal (CSE Placement Coordinator), and enthusiastic participants from CSE III Year.

The program commenced with Ms. Hitiksha Manoti, a student of B.Tech CSE IV Sem, welcoming the dignitaries and participants. Dr. Mayank Patel inaugurated the event, sharing insights into the internship opportunities with KansoCloud, discussing the company's working fields, and highlighting the benefits for students.

Mr. Sanket Dangi, Founder of KansoCloud, delivered an insightful company presentation where he elaborated on the diverse fields currently engaged by the company. During his address, he discussed the company's working environment and emphasized the benefits available for students. Additionally, Mr. Dangi provided details about the structured rounds that the company plans to conduct for hiring interns, offering students a comprehensive understanding of the internship selection process.

The company implemented a meticulous selection process for interns, commencing with a Written Test featuring technical multiple-choice questions. Subsequently, shortlisted students advanced to the Technical Interview stage. Following a rigorous assessment, four exceptional individuals emerged as the final selections for the internship, each securing a monthly stipend of 15k. Heartiest congratulations to Ms. Saloni Maheshwari, Mr. Prashant Gehlot, Mr. Varun Mehra, and Ms. Teena Kunwar for their well-deserved achievement.

The Internship Drive concluded with Dr. Mayank Patel, HoD of CSE, expressing gratitude to the KansoCloud team for their significant contribution.

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INTERNSHIP DRIVE
AT
WEBANIX SOLUTIONS
29th July, 2023

The Department of Computer Science and Engineering successfully organized an internship drive at Webanix Solutions on July 29, 2023, starting at 11:00 am, with active participation from 15 students. The offline event was efficiently coordinated by Ms. Ruchi Vyas, Assistant Professor of CSE, featuring key figures from Webanix, including Mr. Himanshu Arya (Co-Founder), Ms. Chhaya Pandya (HR), Ms. Himanshi Vyas (Developer), and Mr. Ankit Joshi (Web Developer), serving as resource persons. The primary aim of the event was to offer promising internship and job opportunities at Webanix for students in their VII Semester.

The company presentation at Webanix, delivered by Mr. Himanshu Arya, the Founder, covered the company's current focus areas, working environment, and the benefits available to students. He also detailed the internship selection process, comprising a Written Test with technical multiple-choice questions and a subsequent Technical Interview for shortlisted candidates. Following the Technical Interview, five students—Mohit Jangid, Mohit Prajapat, Preamchand Mali, Bhavin Bhatnagar, and Harshita Samnani—were successfully chosen for a 45-day internship. Congratulations to the selected students.

The Internship Drive concluded with Dr. Mayank Patel, HoD of CSE, expressing gratitude to the KansoCloud team for their significant contribution.

INTERNSHIP DRIVE
AT
TO YOU FROM ME (TYFM)
1st September, 2023

The Department of Computer Science and Engineering organized an internship drive at "To You From Me" (TYFM) on September 1, 2023, from 11:00 am. The event was scheduled in offline mode and was coordinated by Ms. Charu Kavadia, Assistant Professor, CSE, with Mr. Suvidh Khazanch and Ms. Dishani Vijayvargiya as the resource persons. The main objective of this event was to provide internship and job opportunities in TYFM to VII Semester students.

Mr. Suvidh Khazanchi, the founder of TYFM, shared what the company does and talked about the cool things students can learn there. He also explained how friendly the work environment is and the perks for students. Mr. Khazanchi gave details about the steps students need to take if they want to intern with TYFM.
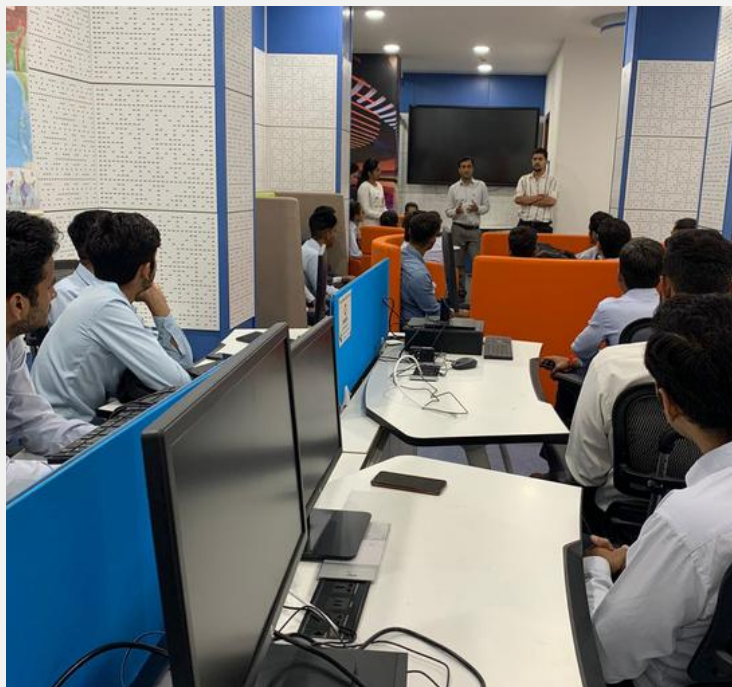
The company conducted two rounds for selecting interns. The first round involved a written test with multiple-choice questions, followed by a technical interview for shortlisted students. After the technical interview, the selected student was offered an internship with a monthly stipend of 15k.

INTERNSHIP DRIVE
AT
SUDOWALL
1st November, 2023

The Department of Computer Science and Engineering organized an internship drive at Sudowall on September 1, 2023, from 10:00 am, in which 15 participants participated. The event was scheduled in offline mode and was coordinated by Ms. Ayushi Ghill, Assistant Professor, CSE, with Mr. Sourabh Tripathi, Co-Founder of Sudowall, as the resource person. The main objective of this event was to provide internship and job opportunities at Sudowall for VII Semester students.

In the company presentation, Mr. Sourabh Tripathi, Founder of Sudowall, discussed the company's operational focus and its current projects. He underscored the positive working environment at Sudowall, emphasizing the benefits students could gain. Mr. Tripathi also shared insights into the structured rounds designed for hiring interns, providing students with a clear understanding of the selection process and opportunities available at Sudowall.

The company conducted rounds for selecting interns, commencing with a Group Discussion comprising technical multiple-choice questions. After the Group Discussion, students showcasing their proficiency were chosen for the coveted internship positions. This approach allowed the company to assess both technical knowledge and communication skills. The selected interns will now have the opportunity to contribute their skills and learn in a dynamic professional environment.
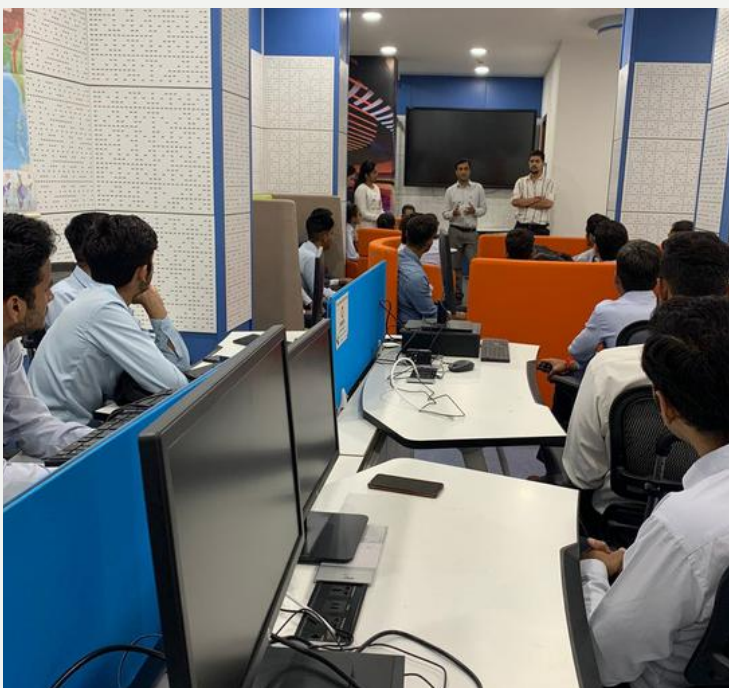
The successful candidates for the internship program were Mr. Taha Lohawala (5K Per Month) Mr. Krishnanu Misra (5K Per Month) Ms. Pooja Swarnkar (5K Per Month) Ms. B. Niharika Mr. Prashant Mali Mr. Akshansh Tank Mr. Narayan Lal Salvi These individuals have demonstrated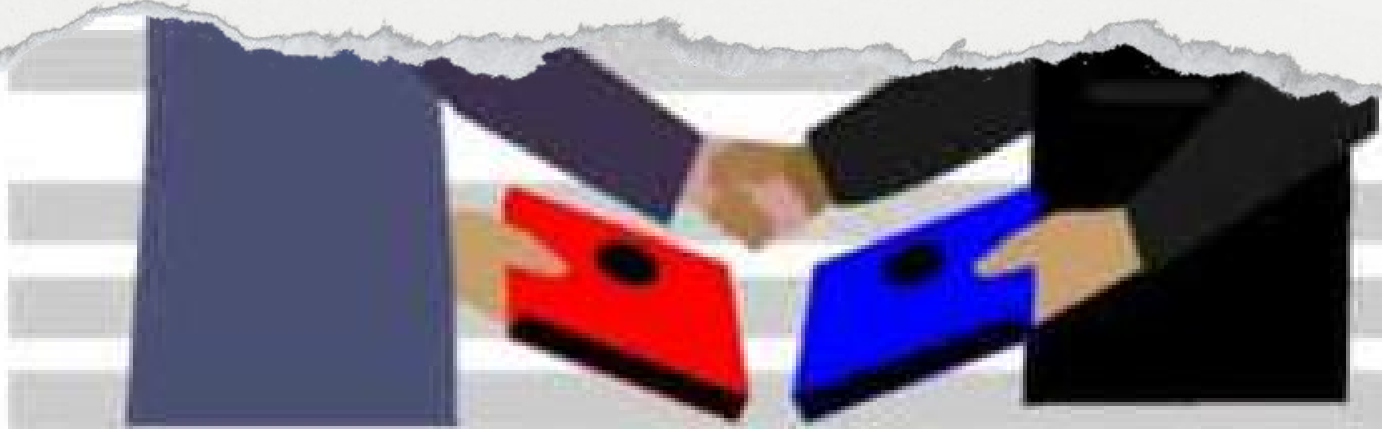 outstanding qualities, and we look forward to their contributions. Each intern will receive a monthly stipend of 5,000. We extend our congratulations and eagerly anticipate their valuable contributions to our team.

Sudowall extends internship offers to successful candidates from our recent drive. Congratulations, and we look forward to your contributions.

sudowall.

6TH NOVEMBER 2023

Dear Pooja,

Based on your recent interview, we have great pleasure in offering you Internship with Sudowall. You will be working with us as a "Cloud Intern". Your Internship commencement date is December 4th, 2023 and the duration of internship is 3 months

Below are your reporting details:
Working Days: Monday – Saturday
Work Timings: 1:00 PM – 7:00 PM (with 1 hour lunch time)
Date of Joining - December 4th, 2023
You will paid a stipend of INR 5,000 per month

A formal Internship Certificate would be given to you after completion of your Internship duration.
We look forward to seeing you on December 4th, 2023 with warm welcome.

Regards,
Ritika Singh

HR Head
Sudowall.org, UDAIPUR

9784757702

POOJA

www.sudowall.org   hr@sudowall.org   299, chandresh vihar, Near Pacific university,Udaipur

MOU

MoU signing ceremony

26th August, 2023

The Department of Computer Science and Engineering organized a MoU signing ceremony on August 26, 2023, from 10:45 am to 11:30 am, in which 150 participants participated. The event was scheduled in offline mode and was coordinated by Dr. Mayank Patel and Ms. Ruchi Vyas, with Mr. Mohit Maheshwari, Director of NIMO Labs, as the resource person. The main objective of this event was to bridge the gap between industry and academia.

In the inaugural session, Dr. N. S. Rathore, Campus Director at GITS, and all the heads and deans were present. The program began with a lamp-lighting ceremony, followed by the welcome address by Dr. Mayank Patel, HOD CSE, who welcomed all the cherished dignitaries and participants. Dr. N.S. Rathore, Campus Director at GITS, welcomed the guests and extended his sincere gratitude on the occasion. He enlightened the participants by sharing his valuable thoughts about how such collaboration can encourage the exchange of discoveries, information, and knowledge. He also gave valuable insights into training programs to support unstructured education and shared an interesting term: "GRIP," which stands for Goal-Research-Investment-Professional Feedback, explaining how this concept can attract students to build a better future.

The Department of Computer Science Engineering at GITS signed a Memorandum of Understanding (MOU) with NIMO Labs Pvt. Ltd. on August 26, 2023, to seek collaboration from the leading organization. Mr. Mohit Maheshwari, Director of NIMO Labs, shed light on the importance of wise career choices and training opportunities.

He encouraged the students to develop the right understanding about choosing career paths, working hard, and taking education seriously. Dr. Mayank Patel addressed the gathering and shared the idea of making the institute AI, students, and industry-ready. He motivated the students to work hard for themselves and suggested accumulating the GRIP formula among students. He expressed gratitude towards the guests for their cooperation and exchange of knowledge and information.

Dr. Mayank Patel, HOD CSE, summarized the outcomes of this MOU. All participants appreciated the department for the MOU and how students will benefit from this collaboration.

After the MOU signing ceremony, the audience became aware of industry-academia collaborations and their advantages.

प्रातःकाल

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epaper.pratahkal.com

का ग़िरफ्तार किया ह, जिसस पूछ

विद्यार्थियों को कम्प्यूटर लेंग्वेज लर्निंग के लिए गिट्स एवं निमो लेब में करार

उदयपुर (बि)। आज डिजीटल टेक्नोलॉजी का जलवा पूरी दुनिया में कायम हैं। प्रत्येक इण्डस्ट्री डिजिटल टेक्नोलोजी के माध्यम से ए.आई. का प्रयोग कर रही हैं। इसी क्रम में विद्यार्थियों को कम्प्यूटर लेंग्वेज लर्निंग के लिए प्रमुख आई.टी. कम्पनी निमो लेब व गीतांजली इंस्टिट्यूट ऑफ टेक्निकल स्टडीज (गिट्स) डबोक उदयपुर के बीच विद्यार्थियों के तकनीकी विकास के लिए करार हुआ। यह करार गिट्स के संस्थान के निदेशक डॉ. एन. एस. राठौड और निमो लेब के निदेशक श्री मोहित माहेश्वरी के समझौता प्रपत्रों के आदान प्रदान के साथ हुआ। संस्थान के निदेशक डॉ. एन. एस. राठौड ने बताया कि डिजीटल तकनीकी का उपयोग इण्डस्ट्री में बहुत तेजी से बढ रहा हैं। ऐसे में इण्डस्ट्री की मांग के अनुसार विद्यार्थियों को अभी से तैयार करना होगा। इसी उद्देश्य से यह करार किया गया। इस करार के तहत निमो लेब गिट्स को ए.आई., मशीन लर्निंग एन.एल.पी., एल.एल.एम. तथा रोबोटिक्स जैसे आदि आधुनिक तकनीको पर प्रशिक्षण प्रदान करेगी। जिससे विद्यार्थियों को इण्डस्ट्री रेडी बनाने में मदद मिलेगी। कुशल प्रशिक्षित विद्यार्थियों को प्लेसमेंट प्रदान करेगी। यह करार शिक्षण संस्थान एवं इण्डस्ट्री के बीच ब्रिज का काम करेगी। विदित हो कि गिट्स इससे पहले भी विद्यार्थियों के बेहतरी के लिए अल्ट्रा टेक सीमेंट, सिक्योर मीटर व थर्मेक्स इण्डिया जैसी 20 से ज्यादा नामी गिरामी कम्पनीज के साथ करार कर चुका हैं। इसी अवसर कम्प्यूटर साईंस इन्जिनियरिंग विभाग द्वारा 'किताबों से परे:ए. आई. के डिजिटल रूप में छात्रों को तैयार करने' पर एक्सपर्ट टॉक का आयोजन किया गया जिसमें कोगनीजेंट टेक्नोलोजी सोल्यूशन के टेक्नोलोजी निदेशक श्री सिद्धार्थ भाणावत ने मुख्य वक्ता के रूप में भाग लिया और बताया कि ए. आई. में कोडिंग की प्रमुख आवश्यकता हैं। ए.आई. की महत्ता एवं धन्यवाद ज्ञापन कम्प्यूटर साईंस इन्जिनियरिंग विभागाध्यक्ष डॉ. मयंक पटेल द्वारा किया गया। कार्यक्रम का संयोजन असिस्टेंट प्रोफेसर रूचि व्यास तथा संचालन छात्र रूद्रांश महेश्वरी द्वारा किया गया। इस एतिहासिक अवसर पर वित्त नियंत्रक बी.एल. जांगिड सहित पूरा गीतांजली परिवार उपस्थित था।

Academic Toppers

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ACADEMIC TOPPERS

Here at Computer Science Department of Engineering , we believe in providing our students with quality teaching, and our students reciprocate with us by their wonderful academic achievements. With their hard work and dedication, students of CSE department have made us proud by excelling in academics.

CSE VIII SEMESTER

1.

**DEVANSHI MINDA
19EGICS021
85.16%**

**HARSHAL JAIN
19EGICS034
85.03%**

2.

2.

SHEETAL SHARMA
19EGICS102
85.03%

POOJA SETH
19EGICS082
83.61%

3.

4.

BHAVYA CHAWDA
19EGICS016
83.23%

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5.

SANAH MATHUR
19EGICS099
82.97%

CSE VI SEMESTER

DIPTI SONI
20EGICS029
10 SGPA

1.

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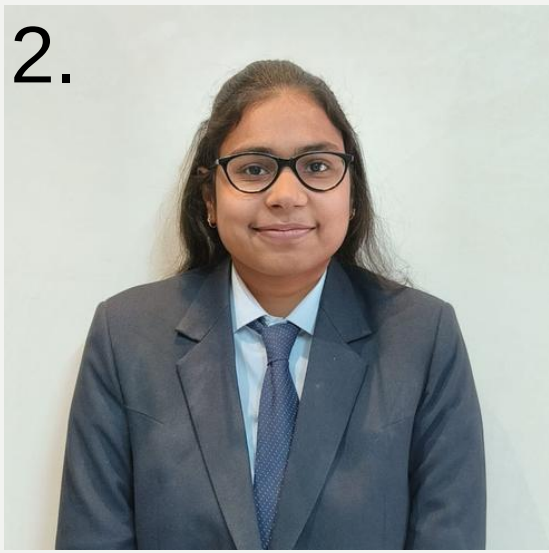
PRIYANSHI MAHESHWARI
20EGICS089
9.63 SGPA

TEENA KUNWAR CHOUHAN
20EGICS115
 9.63 SGPA

AMISHA AJITH
20EGICS006
 9.49 SGPA

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DEEPAK JINGER
20EGICS025
9.35 SGPA

MOHIT JANGID
20EGICS068
9.29 SGPA

CSE(AI) IV SEMESTER
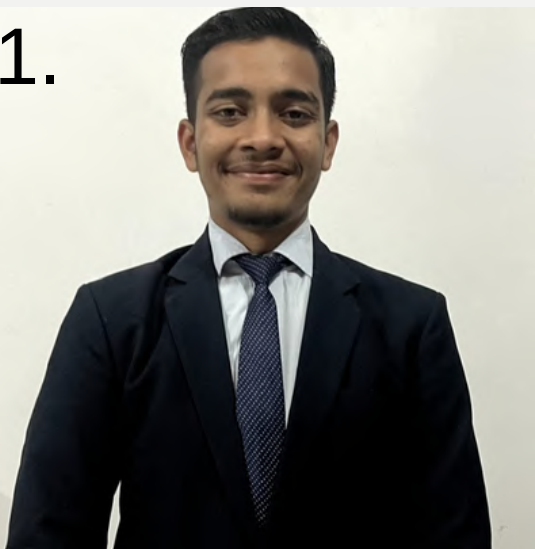
Rudransh Maheshwari
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9.66 SGPA

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Harshita Singh
20EGICA012
 9.36 SGPA

Jagrati Shrimali
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20EGICA031
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AGENTIC AI

Here at Computer Science Department of Engineering , we believe in providing our students with quality teaching, and our students reciprocate with us by their wonderful academic achievements. With their hard work and dedication, students of CSE department have made us proud by excelling in academics.


The Rise of Agentic AI as Corporate Agents: A New Paradigm in Business Operations

Imagine an AI not just crunching numbers or recognizing patterns, but actively making decisions, setting goals, and shaping its own destiny. This agentic AI wouldn't simply follow instructions; it would understand the world, anticipate consequences, and choose its own actions based on its internal motivations and objectives.

This doesn't mean Skynet-style robot overlords. Agentic AI could be a doctor diagnosing and treating patients with nuanced understanding, a self-driving car navigating complex cityscapes with human-like judgment, or a robotic explorer venturing into uncharted territories, making its own scientific discoveries.

The ethical considerations are vast. Who controls these agentic AIs? How do we ensure their actions align with human values? Can we truly trust machines with such autonomy? These are questions we must grapple with now, before agentic AI becomes a reality woven into the fabric of our lives.
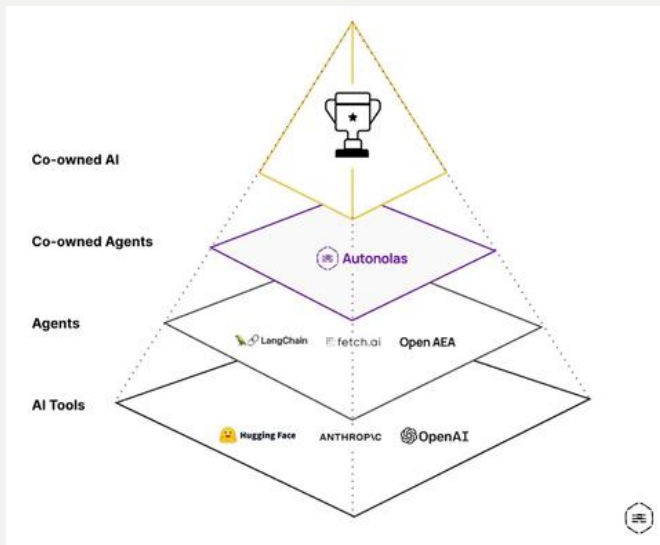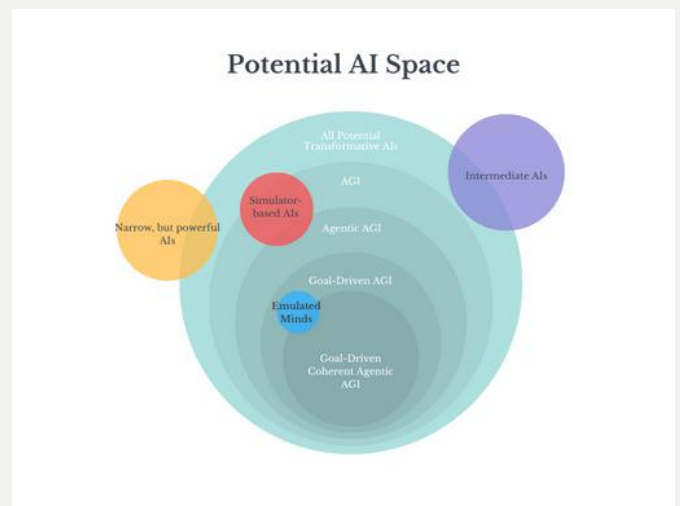
The potential benefits, however, are undeniable. Agentic AI could tackle our most pressing challenges, from climate change to pandemics, with a level of speed and adaptability humans alone cannot match. It could usher in a new era of prosperity and progress, where machines and humans collaborate as equals, pushing the boundaries of what's possible.

The journey towards agentic AI is fraught with challenges, but the potential rewards are too great to ignore. As we step into this new frontier, let's do so with caution, but also with open minds and hearts, ready to embrace the possibilities that agentic AI brings.
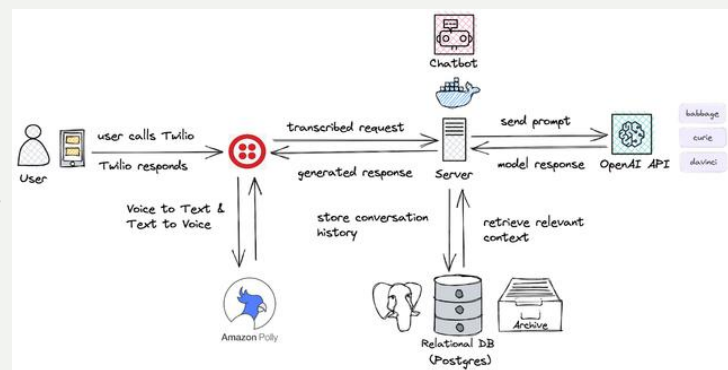
~Viral Jain

III Year, V Semester

Section B

BIG DATA

Forget oil, data is the gold of the 21st century. And nowhere is this truer than in the realm of Big Data, where colossal volumes of information, from social media posts to satellite images, are unleashed to unlock unparalleled insights. Imagine dissecting millions of customer reviews to predict buying trends, or pinpointing fraud in real-time with lightning-fast analytics. That's the power of Big Data.
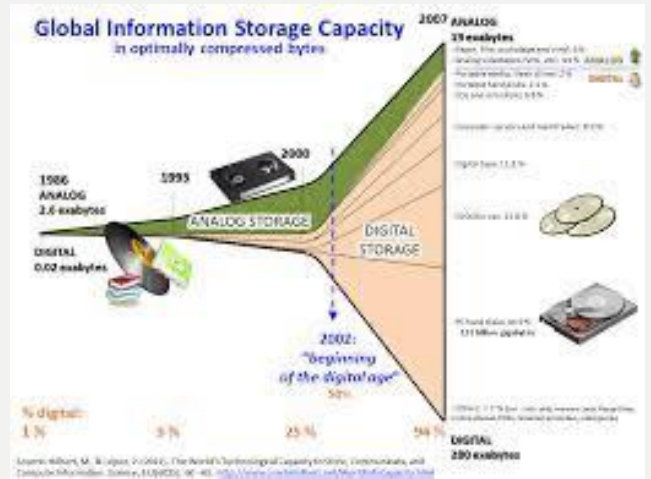

But size isn't everything. Big Data thrives on diversity. Structured spreadsheets dance with unstructured social media chatter, while sensor readings tango with financial transactions. Taming this data jungle requires powerful tools - think advanced algorithms and distributed computing that crunch numbers at blazing speeds.

The impact? Big Data ripples across industries. Healthcare predicts epidemics, retailers personalize your shopping experience, and manufacturers optimize production based on real-time demand. Governments even track disease outbreaks and manage resources efficiently.

But there's a flip side. Privacy concerns loom large, and ethical data use is paramount. We must navigate this tsunami of information wisely, ensuring its benefits reach everyone while safeguarding individual rights.

However, ethical considerations remain the brushstrokes that guide this art. We must prioritize data privacy, combat bias in algorithms, and ensure equitable access to the insights Big Data generates. Only then can this data deluge truly benefit all, transforming our world not just with facts, but with wisdom.

Beyond its raw power, Big Data's true magic lies in its ability to tell stories. It paints vibrant pictures of human behavior, market trends, and even the pulse of our planet. Imagine visualizing global migration patterns through anonymized phone data, or using weather forecasting algorithms to mitigate natural disasters. Big Data becomes a canvas, and data scientists the artists, crafting narratives that shape our understanding of the world.

~**Siddhika Dhabhai**
III Year, V Semester
Section B

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UNTIL NEXT TIME.....