

All the bits in one byte

TECHNICAL MAGAZINE



SESSION 2021-2022

TECHNISHAD

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Our Inspiration

Late Shri Ganeshi Lal ji Bajaj was indeed a multifarious personality. A freedom fighter, a philanthropist and a dedicated social worker, Ganeshi Lal ji was revered for his benevolence and penchant for hard work. No matter how busy he would remain, he would always find time to not only educate the children of the underprivileged, but also provide them with food, shelter and articulate to help them come up in life."Education leads to enlightenment", he firmly believed.

We at R.K. Group have endeavored to imbibe our mentor's spirit and mission to not only grow in our respective fields of interest, but to keep aspiring, praying and working towards the cause of the youth and nation building.



Vision

To build strong teaching environment that responds to the needs of industry and challenges of the society.

Mission

M1: Developing strong mathematical & computing skill set among the students.

M2: Extending the role of computer science and engineering in diverse areas like Internet of Things (IoT), Artificial Intelligence & Machine Learning and Data Analytics.

M3: Imbibing the students with a deep understanding of professional ethics and high integrity to serve the Nation.

M4: Providing an environment to the students for their growth both as individuals and as globally competent Computer Science professional wit encouragement for innovation & start-up culture.

Chairman's Message

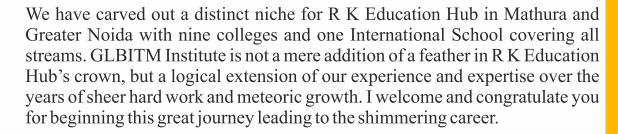
Scientists dream of doing great things and Technocrats shape them. Congratulations for choosing the path leading to magnificent career-from the patriarch...

GL Bajaj Institute of Technology & Management Institute has been brought into being solely for spawning the legion of farsighted professionals and astute technocrats, remaining always ahead to contribute meaningfully to the nation.

GL BAJAJ has emerged as a leading world class educational group that creates and disseminates knowledge, integrating advance technology.

Our college aim at becoming a pacesetter in developing the next generation teaching and learning methods to foster individual brilliance. We strongly believe in academic excellence, high teaching standards and discipline. At GL BAJAJ campuss, we equip our students with first -rate education and necessary

practical skills as well as strong interface with the corporate world to ensure that they stand out the best in today's world.



Our mission is to expand development opportunities for student and faculty. We wish you a rewarding experience at GLBAJAJ.

Dr. Ram Kishore Agarwal Chairman



Vice Chairman's Message

"We strive, we believe and attain success"

The advent of globalization and rapid advancement in economy, enormous opportunities have been thrown open at the doors of Indians. The Indian government also realized that there is going to be big demand for well qualified and highly component professional in the nation as well as in other advanced countries of the world.

We hope earnestly in that the aspirants of business administration will find here opportunities and after graduation would be the leaders in their respective field. As a premier institution working to achieve excellence in professional education, since 2012, we are working extensively in the area of education as an affiliated institution of Dr. A. P. J. Abdul Kalam Technical University (AKTU), Lucknow. We are endeavoring to develop a talent profile among our students, having sufficient width and required depth in their area of study, with exemplary faculty members and excellent state-of-the-art facilities.



We believe in giving permanent systematic innovative teaching, making our students capable of earning their rightful place in this world with innovation, entrepreneurship, creativity, health, environment, technology, and trade. GL Bajaj Institute of Technology Management Institute is one of the established Institutions of Rajeev Memorial Academic Welfare Society, GL Bajaj was founded with a mission to promote excellence in the field of management education.

The Institute not only extends good campus and state of the art facilities to the students but we also encourage teamwork, personal initiative, and accountability among the students. At GL Bajaj, we aim at grooming professionals who can effectively manage unanticipated challenges and have an urge in them to excel. We take the responsibility of developing and nurturing the world-class skilled & dedicated managers who are competent enough to meet the global challenges, which is a need of the hour. We focus on our intellectual capital to become valued assets in the industries and diverse professional fields and achieve pinnacle of success.

With the world, becoming a global village and globalization coupled with stiff competition is making its presence felt, the need of the hour is to successfully meet such tests and challenges.

Mr. Pankaj Agarwal Vice Chairman

Director Message

I am immensely gratified to promulgate my thoughts to our students, the architects of human civilization, via the magazine of the Department of Computer Science and Engineering.

With each dawn bringing new set of challenges and presenting new realms to explore, it is the demand of the hour to infuse ourselves with new strategies and skills. Our institute is constant in its efforts to pursue every thematic area with greater emphasis and we have established credentials, core strength and emerging potential not only to create new avenues of knowledge but to translate them into practical technology so as to ensure social and professional growth of each and every ward that embarks upon our institution to achieve remarkable breakthrough in his career.



I am confident to converse that students who walk upon the guided path led by institution will cherish the skills, values and life long memories that they will always reflect in their never ending journey of chasing the ubiquity. We believe that the flame inside the student must be enlighted so that the whole mankind can conquer the darkness of fear and can hold his head up high. We take our children through the technical and practical ethos of moral values & principles leading to a culture of thinking, reflection, resilience and independence, always being focused upon developing them with the commitment to become "Moral and intellectual Leaders, People of Dignity, Integrity and Compassion who want to make a Positive difference in the World".

Dr. Manas Kumar Mishra Director GLBITM

Head Message

Knowledge is treasure, knowledge is power. Information crystallises into knowledge that eventually sublimes into profound wisdom.

I am very pleased to entrust to you all ,the latest edition of the technical magazine of the Department of Computer Science and Engineering to the GLBITM Community. Achievements by our students and scholars are the most satisfying developments for the Department as well as the Institution. I feel very proud to boast to you all, the plethora of accomplishments that we as a department have accumulated over this period of time. Sincere and sustained efforts by our dedicated students and scholars have brought laurels at regular intervals. Despite of challenges, the department has fared considerably well in our core mandate

of furthering knowledge in science and technology through dissemination and creation.

With students scaling great heights, the striving for growth is renewed with each passing day and I am extremely proud of all my students, faculty members, and staff who are working hard for making the institute a sanctum sanctorum for nurturing excellence. I am keenly looking forward in reporting our activities in our next newsletter.

> Dr. Sansar Singh Chauhan Head of the Department Computer Science & Engineering **GLBITM**



Training & Placement

Dear students,

Being on the threshold of becoming a professional, it is time to look forward to the challenges & opportunities that lie in your professional journey ahead.

The Following 3C' philosophy can help:

1) Choice & Clarity

Choose the areas of your interest. Have clarity on your long term objectives; In career/Enterpreneurship between Aspiration and passion are very important for achieving & sustaining both Success and happiness in life. Work-life balance is the mantra.

2) Chance

Grab chances & opportunities that come your way, in line with your career choices. **Destiny is nothing but-"Preparation meeting opportunities"**, So, Being prepared is the key.



3) Change

"In this world, nothing is permanent, except Changes".

This is an era of fast changing technology Agility, the ability to learn, unlearn & relearn is on top of the agenda For most of the organisations. So, along with relevant quality stills, be agile, innovative and embrace changes. It is said,

"Winning is not everything but wanting to win is" Together, let us continue to form a Winning combination and continue proving

"GLBitians are born to Fly"

Prof. Manju Khatri
Director
Training & Placement
GLBITM

Message From Editorial Desk

Dear readers,

We are thrilled to present to you the latest edition of our technical magazine focused on the exciting and ever-evolving field of computer science. In this edition, we have gathered a collection of articles that delve into some of the most pressing issues facing the computer science industry today. From the latest advances in artificial intelligence and machine learning to cutting-edge cybersecurity strategies, our writers have produced a diverse range of content that we believe will be of interest to professionals and enthusiasts alike.

We would like to express our gratitude to our contributors for their insightful and thought-provoking pieces. Their expertise and dedication have been invaluable in shaping this edition, and we are proud to showcase their work. At the editorial team, we are committed to creating a publication that not only informs but also challenges and inspires our readers. We welcome your feedback and suggestions and encourage you to share your thoughts with us on how we can continue to improve our magazine.

Finally, we would like to extend our thanks to our readers for their ongoing support. Your interest in our publication fuels our passion for bringing you the latest developments and trends in the field of computer science. We hope you enjoy this latest edition, and we look forward to bringing you more exciting content in the future.

Best regards,

Contributed By

Faculty Coordinator

Ms. Bhairvee Singh, Ms. Neha Jha

Student Coordinator

Mr. Aman Gupta, Ms. Shubhi Singh Ms. Juhi Pathak, Mr. Abhinay Bajpai

Content

Accelerating the Future: inaugurating the NVIDIAAI Learning and Research Center

CASE STUDY

- Uber
- Instagram

CURRENT TECH

- Artificial Intellingence
- Blockchain
- Augmented and Virtual Reality (AR & VR)

ARTICLES

- "Powering a Sustainable Future: The Rise of Energy-Efficient Blockchains"
- "The Mysterious Universe: Exploring the Enigma of Dark Matter"

LIST OF PUBLICATIONS/PATENTS

STUDENT PROJECTS

SOURCES OF LEARNING

Accelerating the Future: inaugurating the NVIDIA AI Learning and Research Center

"MACHINE INTELLIGENCE IS THE LAST INVENTION THAT HUMANITY WILL EVER NEED TO MAKE."



~NICK BOSTRO

This quote itself reflects the power of AI and ML. We are entering a new world. The technologies of machine learning, speech recognition, and natural language understanding are reaching a nexus of capability.

The world of computing is going through an incredible change and to match the pace Department of CSE, GLBITM established an NVIDIA AI Learning and Research Center.

It was a great and historic moment as the rocket man of India, Ex- ISRO chief Dr.K. Sivan graced the occasion as chief guest on 8/6/2022. Along with him Mr. Shridhar Garge Head - Strategy, Planning & Programs at NVIDIA, Mr. sanjay Makhija AI/DL Business Development Expert for Higher Education, Mr. Abhishek Agarwal CEO Global Infoways, Mr. Manoj Kulshreshtha Vice President (Academic Alliances) at Global Infoventures, INDIA, Mr. Pankaj Aagarwal Vice chairman G. L. Bajaj group, Mr. kartikeya Agarwal CEO G. L. Bajaj group and Dr. Manas kumar Mishra Director GLBITM were also present as the esteemed guests.



How will the AI Learning and Research Center help GLBians?

For India's IT sector and start-up ecosystem, the AI revolution represents a huge opportunity. This will necessitate efforts on two fronts:

- 1. Create an AI talent pool that is "industry-ready."
- 2. Encourage AI research in our universities.

Higher education centres in India will be crucial in accomplishing this goal. Institutes that take the lead in AI will stand out and secure their position as important partners to industry and government.

The GL Bajaj Institute intends to develop an environment that aids in AI, ML, and other futuristic technologies training, upskilling, reskilling, and research. The addition of this lab is GL Bajaj's first step in that approach.



NVIDIA DGXTM A100 is the universal system for all AI workloads, offering unprecedented compute density, performance, and flexibility in the world's first 5 petaFLOPS AI system. Featuring the NVIDIA A100 Tensor Core GPU, DGX A100 enables enterprises to consolidate training, inference, and analytics into a unified, easy-to-deploy AI infrastructure that includes direct access to NVIDIAAI experts.

NVIDIA DGX A100

Case Study

Uber

What is Uber?

Uber is platform which is used to —

- 1.Real time Book cab rides by the users
- 2.Food Delivery
- 3.Real time location tracking of both drivers and users(customers)

Users are mobile based (uber app).



Important Features:-

For this case study we will take 4 important features into consideration —

Book a ride in real time(using customer location and near by driver(s) location). Track location and mark ride as completed upon reaching the destination

Pricing — real time Engagement (Review and Ratings)

Scaling Requirements- Capacity Estimation:-

Let's say we have —

No of users or customers: 200 Million

No of drivers: 2 Million

No of active customers per day (DAU): 2 Million

No of active drivers per day: 600 K

No of rides per day: 800K

Time taken to notify of location: 4 second Size of driver data (per person): 40 bytes

Total Storage estimate for drivers : 2 Million * 40 bytes = 80 MB

Bandwidth estimate (to receive update notification from drivers):

20 bytes * 2 Million = 40 MB per four seconds

Subscription ratio is 4:1 [4 customers to 1 driver]

Total Storage estimate for all the subscriptions:

(2 Million * 4 * 7bytes) + (600 K * 4bytes) = 58.4 MB

Bandwidth to send drivers location to users per second:

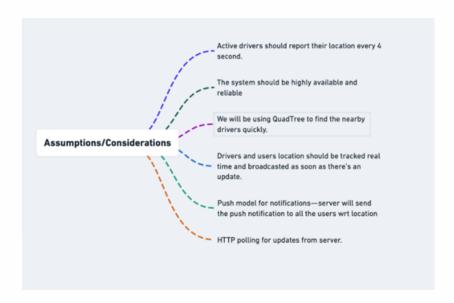
4 * 600K = 2.4 M * 20 bytes = 48 MB/second



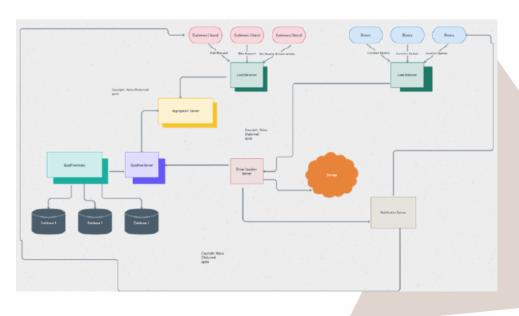
High Level Design

Assumptions/Considerations/Requirements:-

- 1. Active drivers should report their location every 4 second.
- 2. The system should be highly available and reliable
- 3. We will be using QuadTree to find the nearby drivers quickly.
- 4. Drivers and users location should be tracked real time and broadcasted as soon as there's an update.
- 5. Push model for notifications server will send the push notification to all the users wrt location
- 6. HTTP polling for updates from server.



Complete Detailed Design:-



Instagram

What is Instagram?

Instagram is a social networking platform where users can —

- 1. Upload and share Photos and videos
- 2. Follow other users
- 3. Chat with other people
- 4. Can control the visibility of their content by making it public or private.
- 5. Create stories
- 6. Tag another user/location in the post (photo/video)
- 7. Watch the feed of other users they follow.

Important Features:-

We will pick most important features based on the functionality of the instagram.

- Upload ImagesFollow other instagram users
- Like and comments
- Generate feed for the users

Scaling Requirements:-

Let's say, we have —

No of photos uploaded by each user/month = 3

No of active users/month = 30 million

Size of each Photo: 10 MB

Total = 30 * 10 * 3 = 900 TB of storage is what

we need every month

Storage space (for photos) needed for 5 years:

900 * 12 * 5 = 54 PB

Assumption: I have taken a very small scale just to keep things simple (in reality instagram has more than 2 billion users).

Data Model Entity Relationship:-

We will be using NoSQL databases to store the photo data in the form of a key value store as well capture the relationship between the different entities. We need high reliability wrt data.

High Level Design

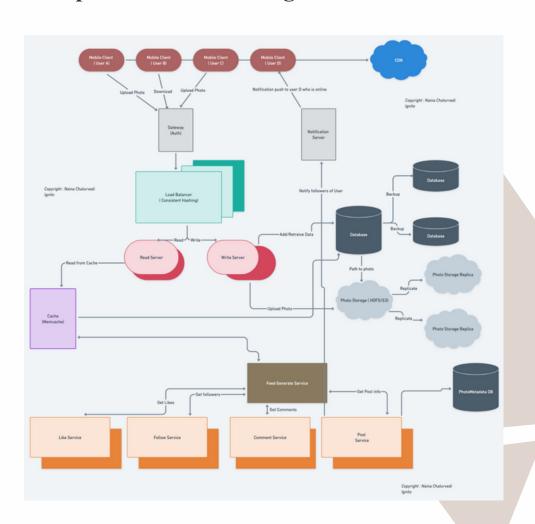
Assumptions:-

- There will be more reads than writes so we need to design read heavy system More Slaves replicas (where we can perform read operations fast)
- We will be scaling horizontally (scale out).
- Services should be highly available.
- Latency should be \sim 350ms for the feed generation.
- Consistency vs Availability vs Reliability: Availability and Reliability are more important than consistency in this case.
- The system is read heavy (people see photos more than posting)

Services We Need:-

- 1. Like Service
- 2. Follow Service
- 3. Comment Service
- 4. Post Service
- 5. Generate Feed service

Complete Detailed Design:-



Latest Technologies

Artificial Intelligence and Machine Learning

Pandas:-

Pandas is the best Python library for machine learning because of providing high-performance and highlevel, So is it easy to handle for data pandas structure and data analysis. Pandas is an open-source library that has a wide range of functionality such as data manipulation and analysis.



Numpy:-

NumPy is a very famous python library for multidimensional array and matrix processing. NumPy performs the n x n matrix calculation within a seconds. Other libraries like TensorFlow, Keras, and Scikit-Learn use NumPy array as input.



TensorFlow:-

Abstraction is the best feature of TensorFlow python when it comes to working with machine learning and AI projects. The TensorFlow architecture is very flexible for all developers and easy to deploy at various platforms (CPUs, GPUs, TPUs).



Keras:-

Keras is an open-source software library that provides a Python interface for artificial neural networks. It is great for experimentation and quick prototyping. Good for visualization and modeling.



Blockchain

CBDC:-

CBDC or tokenized central bank money leverages the decentralized and secure advantages of blockchain. It Enables peer-to-peer transactions. It offers a more resilient payment infrastructure, reduces transaction costs, enhances information sharing capabilities and facilitates data reconciliation.



NFT:-

A non-fungible token (NFT) is a unique digital identifier that cannot be copied, substituted, or subdivided. It is recorded in a blockchain. It is used to certify authenticity and ownership.



DeFi:-

Decentralized finance, or DeFi, uses emerging technology to remove third parties and centralized institutions from financial transactions. The components of DeFi are stablecoins, software, and hardware that enables the development of applications. The infrastructure for DeFi and its regulation are constantly evolving.



Smart Contracts:

Smart contracts are self-executing computer programs that run on blockchain technology. They are designed to automate the process of executing a contract, eliminating the need for intermediaries and reducing the risk of fraud. Smart contracts are created using code that outlines the rules and conditions of the agreement. Once the conditions of the contract are met, the smart contract executes automatically, without the need for human intervention. Smart contracts have numerous advantages over traditional contracts. They are more secure, as they are stored on a decentralized blockchain network, which makes them resistant to hacking and tampering. They are also faster and more efficient, as they can execute automatically and without the need for intermediaries, such as lawyers or notaries.



Augmented and Virtual Reality (AR and VR)

Google VR:-

Google VR Services provides virtualreality functionality for Daydream and Cardboard apps. This includes functions such as displaying notifications while in VR, pairing Daydream-ready headsets and controllers with your Daydreamready phone, and entering and exiting VR apps.



Unity:-

Unity VR lets you target virtual reality devices directly from Unity, without any external plugins in projects. It provides a base API and feature set with compatibility for multiple devices. It has been designed to provide forward compatibility for future devices and software.



Artoolkit:-

ARToolKit is an open-source computer tracking library for creation of strong augmented reality applications that overlay virtual imagery on the real world. It is maintained as an open-source projecthosted on GitHub.



Oculus:-

Oculus is a very popular and progressive tool that does come with certain health caveats Oculus presents a realistic, personalized experience through the total visual immersion of virtual spaces. Oculus Rift is a virtual reality (VR) technology that is manufactured by Oculus VR. The Oculus is a head mounted device that allows users to naturally interact with 3D virtual environments.



Articles

"Powering a Sustainable Future: The Rise of Energy-Efficient Blockchains"

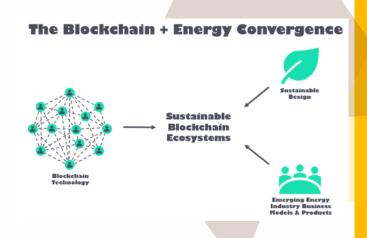
As blockchain technology continues to gain widespread adoption, concerns around its energy consumption have also grown. The process of verifying transactions and adding new blocks to a blockchain network requires significant computational power, which consumes a lot of energy.

To address this issue, various initiatives have been launched to create more energy-efficient blockchains. One approach is to use a different consensus algorithm that requires less computational power. For example, Proof of Stake (PoS) and Proof of Authority (PoA) are two consensus algorithms that require significantly less energy than Proof of Work (PoW), which is currently used by most major blockchain networks.

Another approach is to implement energy-efficient practices within the blockchain network itself. For example, using renewable energy sources, such as solar or wind power, to power the network can significantly reduce its carbon footprint. Additionally, implementing energy-efficient hardware, such as low-power processors, can also help reduce energy consumption.

Some blockchain networks are already implementing these energy-efficient practices. For example, the Chia network uses a PoS consensus algorithm that requires significantly less energy than PoW. The network also uses proof of space and time, which uses unused storage space on a computer's hard drive to verify transactions, rather than computational power.

In conclusion, energy-efficient blockchains are an important development in the blockchain space. As more businesses and industries adopt blockchain technology, it is crucial to address its environmental impact and ensure that it is sustainable in the long term.



Articles

"The Mysterious Universe: Exploring the Enigma of Dark Matter"

Dark matter is a mysterious form of matter that is thought to make up a significant portion of the mass in the universe. Dark matter is called "dark" because it does not interact with light, so it cannot be detected through direct observations. Its existence is inferred through its gravitational effects on visible matter in the universe.

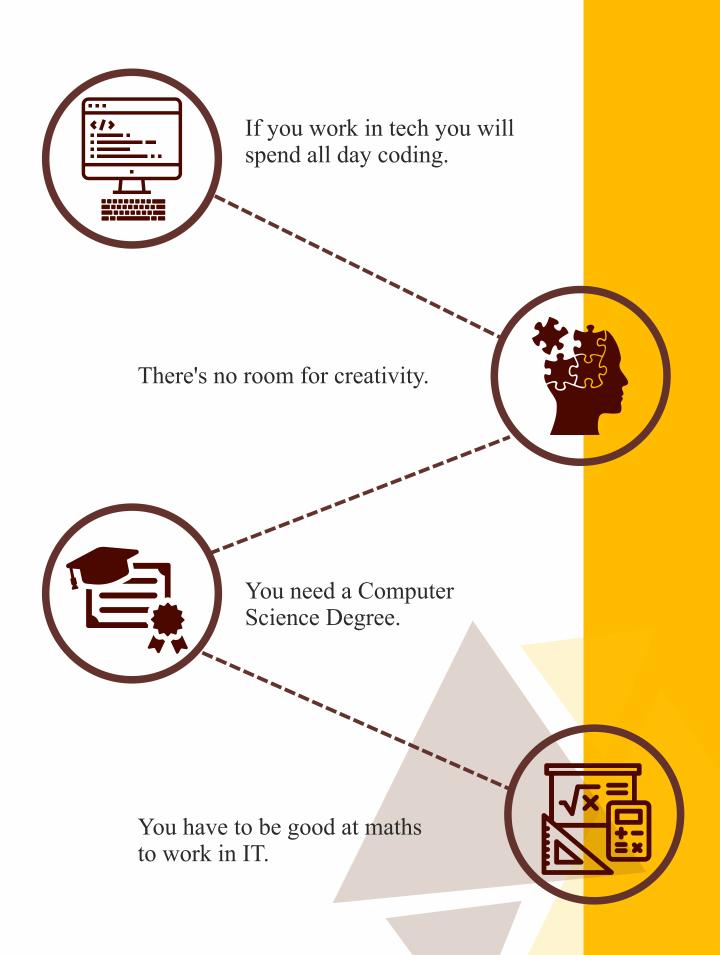
The evidence for dark matter comes from a variety of sources, including observations of the rotation of galaxies, the motions of galaxy clusters, and the pattern of fluctuations in the cosmic microwave background radiation.

Dark matter is useful for scientific studies because its presence has significant effects on the large-scale structure of the universe. The study of dark matter can provide important insights into the formation and evolution of galaxies, galaxy clusters, and the universe as a whole. Here are some specific ways in which dark matter can be useful for scientific studies:

- Understanding the large-scale structure of the universe: Dark matter is believed to be the dominant form of matter in the universe, and it plays a key role in the formation of large-scale structures such as galaxy clusters and superclusters. By studying the distribution and properties of dark matter, scientists can gain a better understanding of the evolution of the universe on these large scales.
- Testing theories of particle physics: The nature of dark matter particles is still not well understood, and scientists are actively searching for new particles and interactions that could explain the properties of dark matter. By studying the interactions of dark matter with ordinary matter, scientists can test and refine theories of particle physics.
- Improving our understanding of gravitational physics: The effects of dark matter on the motions of galaxies and galaxy clusters provide important tests of the laws of gravity. By studying these effects, scientists can gain a better understanding of the nature of gravity and its behavior on very large scales.

Overall, the study of dark matter is a major area of research in cosmology and particle physics, and it has the potential to provide important insights into the nature and evolution of the universe.

Myths in Technical Industry



Sources of Learning

Coding Simplified

@CodingSimplified - 35.7K Subscribers

Channel covers topics like:-

- · Array
- · DP
- · Linked List
- ·Trees

Lead Coading by FRAZ @LeadCodingbyFRAZ - 43.1K Subscribers

Channel covers topics like: -

- · Bit Manipulation
- · Maths
- · Linked List
- · Hashing
- · Binary Search

Take U Forward

@takeUforward - 285K Subscribers

Channel covers topics like:-

- · Graph
- · Recursion
- · Tree
- · Tries
- · DP

Aditya Verma

@TheAdityaVerma - 173K Subscribers

Channel covers topics like:-

- · Binary Search
- · Recursion
- · DP
- · Stack
- · Heap

CodenCode

@codencode3534 - 8.48K Subscribers

Channel covers topics like:-

- · Number Theory
- · Graph
- · DSU
- · String
- · Segment Tree

Abdul Bari

@abdul bari - 662K Subscribers

Channel covers topics like:-

"Everything required" If you have enough patience, watch entire playlist & you're good to go.

Research Paper

List of Publications/Patents

Year: 2021-22

- 1. Asha Rani Mishra, Sanjeev Kumar Pippal, Akshat Kumar, Dhananjay Singh, Abhijeet Singh," Clear Vision Obstacle detection using Bat Algorithm Optimization Technique" at 2021 9th International Conference on Reliaility, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO), IEEE, Scopus Indexed, https://doi.org/10.1109/ICRITO51393.2021.9596467
- 2. Asha Rani Mishra, Sanjeev Kumar Pippal, Bhavika Rajpal, Arshita Garg, Sushant Singh," IOT based Self-Nourishing system for Plants", Presented at Modern Electronics Devices and Communication systems MEDCOM 2021 Organised by Department of Electronics and Communication Engineering G.L. Bajaj Institute of Technology & Samp; Management, Greater Noida Oct 29th 31st, 2021 (Scopus Indexed)
- 3. Asha Rani Mishra, Sanjeev Kumar Pippal, Srishti Chopra," Time Series based pattern prediction using FBProphet Algorithm for COVID-19", Presented at International Conference on Robotics, Automation & Communication Engineering for Industry 4.0 04-05 February 2022, Manav Rachna University, (Scopus Indexed)
- 4. Harshit Tiwari, Shivangi Gupta, Shiven Pandey, and Asha Rani Mishra. "Smart Electricity Conservation System— A Solution to Intermediate Energy Wastage." Advancement of IoT in Blockchain Technology and its Applications 1, no. 2 (2022): 15-20.
- 5. Shreyash Kumar, Shivank Kumar, Vishal Rathi, Jivanshu Joshi, Rahul Swami, and Asha Rani Mishra. "SharPi-Smart Home Automation using Raspberry Pi." Journal of IoT Security and Smart Technologies 1, no. 2 (2022): 29-35.
- 6. India Patent Application No.202111054179 A. IOT BASED WATER DISTRIBUTION SYSTEM. The Patent Office Journal No. 49/2021 Dated 13/12/2021.

Student Projects

Year: 2021-22

1. DDNet (Drowsiness and Distracted driving Detection System)

The objective is to develop a system of real-time video processing for monitoring the activities of drivers during driving. The system produces an alert in case of any careless driving or inappropriate behaviour of the driver with the minimum response time.

2. HERA-Human Efforts Reducing App

This app allows people in rural locations to connect virtually with others. People in remote locations will opt to use this app to purchase their essential items from a neighbouring metropolis, and they will be able to transport goods from one location to another.

3. Buffer Lock

Buffer Lock is a digital lock and door lock system for two wheelers. It is designed with the purpose of delivering superior security solutions, especially for two-wheelers and electric cars. Its goal is to provide separation between the input and output states, which is managed by a third state called the "control state."

4. Emotion Recognition

This paper discusses way of recognizing different emotions produced by humans using a software application that make use of Haar-Cascade Algorithm and a pre trained dataset DeepFace. We have used DeepFace with the help of Which we have achieved roughly about 97 percent accuracy approximately.

5. Brain Tumor Detection Using Machine Learning MRI

Brain tumor detection is difficult due to the complexity and variety of malignancies. The authors of this study present a method for detecting malignancies in brain MRI pictures using deep learning approaches, which can save a lot of time and reduce inconsistency for a large number of MRI images. This will aid in precise and cost effective tumor diagnosis of brain.

Highest Placements 2021-22



Neeru Kapoor

Microsoft Rs. 47 Lac I am Neeru Kapoor of 2022 year pass out student of GLBITM, Greater Noida, proud to express my gratitude to at the G.L.Bajaj Institute of Technology and Management, Greater Noida, which give me path to mold my knowledge. For being a Engineering Student, the biggest attainment is to get an opportunities to get start their career in a good reputed organization. I am very grateful to all my professors and mentors, for mentoring me to achieve this goal and where I am presently. I am very thankful for scholarship offers by college for students like me, to complete my education without any obstruction.



Chirag Yadav

Commvault Rs. 29.25 Lac I am incredibly proud to attend the G.L.Bajaj Institute of Technology and Management, Greater Noida. Excellent placement, a welcoming atmosphere, and highly supportive faculty in every way. The professors are excellent, with extensive experience in their fields and bringing a wealth of information to the classroom. Other extracurricular activities are available besides academic ones to help us grow and improve our talents.



Muskan Agarwal

Commvault Rs. 29.25 Lac It was a great journey of my life with G.L. Bajaj Institute of Technology and Management, Greater Noida. I learnt a lot in sense of best lessons of life which helps me on a way of my success. I want to thank all the faculty members whose guidance help me a lot in development of my personality, communication, knowledge etc, which are key of success for every individual. The University provide us great exposure for better experience of market also for understanding the scenario of working field.





Plot No. 2, Knowledge Park-III, Greater Noida, G.B.Nagar

Web site: www.glbitm.org
Email: office@glbitm.ac.in
Helpline No.: 8010-000-234

Phone No. +91 7290008310 | +91 7290008390 | +91 120 2323818

Follow us

