GLOBAL
INSTITUTE OF TECHNOLOGY

ANNUAL TECHNIDO

MAGAZINE 2024

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COMPUTER SCIENCE & ENGG. (AI&DS)	60
COMPUTER SCIENCE & ENGG. (CYBER SECURITY)	30
COMPUTER SCIENCE & ENGG. (IOT)	30
INFORMATION TECHNOLOGY	60
CIVIL ENGINEERING	30
ELECTRICAL ENGINEERING	30
MECHANICAL ENGINEERING	30
MASTER OF TECHNOLOGY	**INTAKE**
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Global Institute of Technology, Jaipur

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Global Institute of Technology, Jaipur

INSIDE MAGAZINE

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ABOUT GIT

GLOBAL INSTITUTE OF TECHNOLOGY

Global Institute of Technology was established in year 2002 by Kandoi Group of Companies. The group is committed to facilitate technical education in the state of Rajasthan by implementing globally competitive education standards. GIT enjoys the privilege of being the first private engineering college in North India to be accredited twice by NAAC-UGC. GIT has been pioneering technical education for the last two decades and has been consistently ranked among the top private engineering colleges of Rajasthan since its inception. GIT is an innovative and inspiring place to study and prides itself on preparing students for their future. Your educational experience at GIT will be truly memorable. By choosing GIT, you'll enjoy an excellent standard of teaching and study alongside other motivated and driven young professionals who are hungry to learn and eager to make a difference.

VISION

To contribute to human development through academic pursuits and be a trendsetter in the field of Technical Education.

MISSION

To establish a world-class quality learning environment by way of developing value value-based education system, powered by brilliant professionals and leaders in the field of engineering.

PROFESSIONAL COLLABORATIONS WITH ACADEMIC | INDUSTRY

CATALYST

Catalyst AIC is an incubation and innovation center set up by IFMR in Jaipur, under a grant from NITI Aayog's Atal Innovation Mission. The center supports and helps scale inclusive tech startup, which are building digital solutions to enhance livelihoods for India's last mile communities

REDHAT

Red Hat Academy partners with global institute of technology to provide the next generation of IT talent with free access to a range of Red Hat's training courses and certification exams.

GRRAS

GRRAS Solutions Pvt. Ltd. seeks to create and promote implementation of practical learning approach focusing on industry driven content

MEMORANDUM OF UNDERSTANDING (MOU)

MoU has been signed to provide training, industrial projects, guest lectures, and internships to our students.

WELFARE ACTIVITIES FOR STUDENTS

- *Mentor System*
- *Anti-Ragging Committee*
- *Discipline Committee*
- *Research & Development Cell*
- *Global Gladiators (Sports Club)*
- *Grievance Redressal Committee*
- *Parakh Portal*
- *Coding Club*
- *NPTEL Local Chapter*
- *Incubation Club*

#GITians

OUR PILLARS OF STRENGTH

Shri Raj Kumar Kandoi

Chairman

It gives me immense pleasure to extend my warmest greetings to all as we unveil this year's edition of "Technido", our college's annual magazine. This publication is a reflection of the collective efforts, creativity, and academic excellence of our students and faculty.

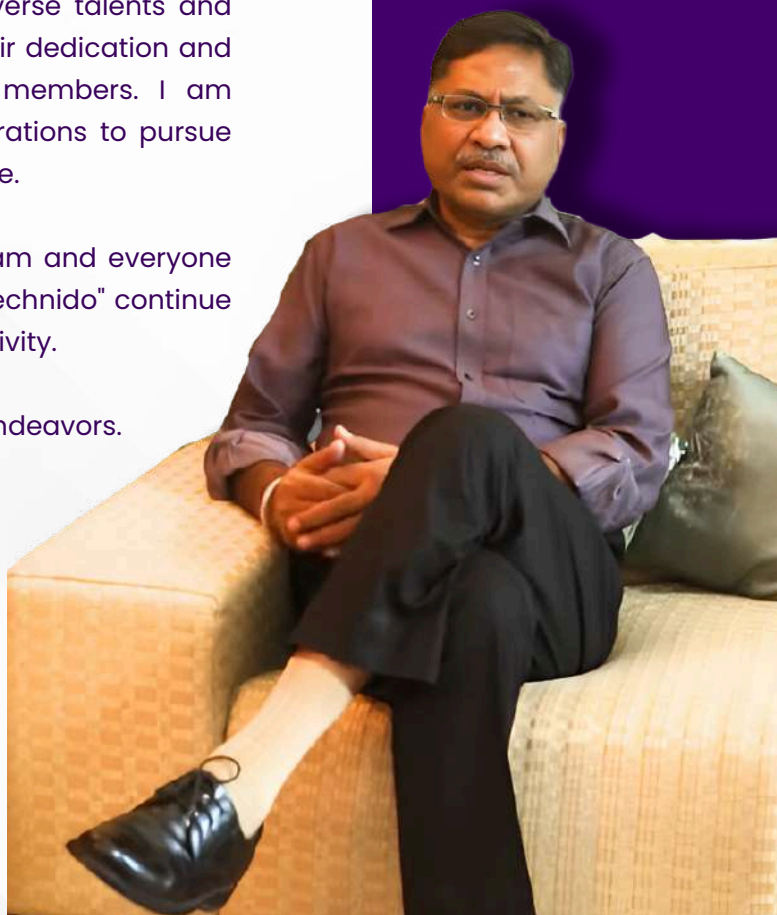
Our institution was founded with a vision to provide quality education and to nurture individuals who will contribute positively to society. Over the years, we have witnessed remarkable growth and success, and it is heartening to see our students excelling not only in academics but also in technical innovations, research, and cultural activities.

"Technido" serves as a platform to showcase the diverse talents and achievements of our students. It is a testament to their dedication and the unwavering support provided by our faculty members. I am confident that this magazine will inspire future generations to pursue knowledge, embrace creativity, and strive for excellence.

I extend my heartfelt appreciation to the editorial team and everyone involved in bringing out this wonderful edition. May "Technido" continue to inspire and serve as a beacon of progress and creativity.

Wishing you all success and prosperity in your future endeavors.

"We are committed to mobilizing GIT college's intellectual, human and financial resources to fully realize our promised dreams"...



OUR PILLARS OF STRENGTH

Mr. Naman Kandoi

Secretory & CEO

It is a matter of great pride and joy to witness the release of this year's edition of "Technido", our college's annual magazine. This publication reflects the creativity, innovation, and relentless pursuit of excellence that our institution stands for.

Education today is not merely about acquiring knowledge; it is about fostering an environment where young minds can explore, innovate, and contribute meaningfully to society. Our institution is committed to nurturing students who are not only academically proficient but also possess the skills, ethics, and vision to become future leaders.

"Technido" is more than just a magazine; it is a mirror that reflects the passion, hard work, and accomplishments of our students and faculty. It captures the essence of the vibrant academic and co-curricular culture that we are proud to foster.

I congratulate the editorial team, students, and faculty members for their dedication and hard work in bringing out this wonderful edition. May this magazine continue to serve as a source of inspiration and a platform for the exchange of ideas and creativity.

Wishing you all continued success and growth!

"It gives me immense pleasure to experience the warmth of this literary tradition"...

OUR PILLARS OF STRENGTH

Dr. I.C. Sharma

Principal

It gives me immense pleasure to present the latest edition of our annual college magazine, "Technido". This magazine serves as a platform to showcase the creativity, talent, and achievements of our students and faculty. It reflects the vibrant academic environment and the spirit of innovation that defines our institution.

Over the past year, our students and staff have excelled in various fields, be it academics, research, cultural events, or technical advancements. Their dedication and passion for excellence have made us proud. "Technido" is a testament to their hard work and innovative mindset.

As we continue our journey towards academic excellence and holistic development, I encourage all students to remain curious, work hard, and explore new horizons. The future belongs to those who dare to dream and have the courage to pursue their dreams.

I extend my heartfelt congratulations to the editorial team and all contributors for their sincere efforts in bringing out this wonderful issue of "Technido". May this magazine continue to inspire and ignite the creative spark in all.

Best wishes for a bright and successful future!

“I wish for the different voices from this platform to make the presence of this effort felt far and wide”.

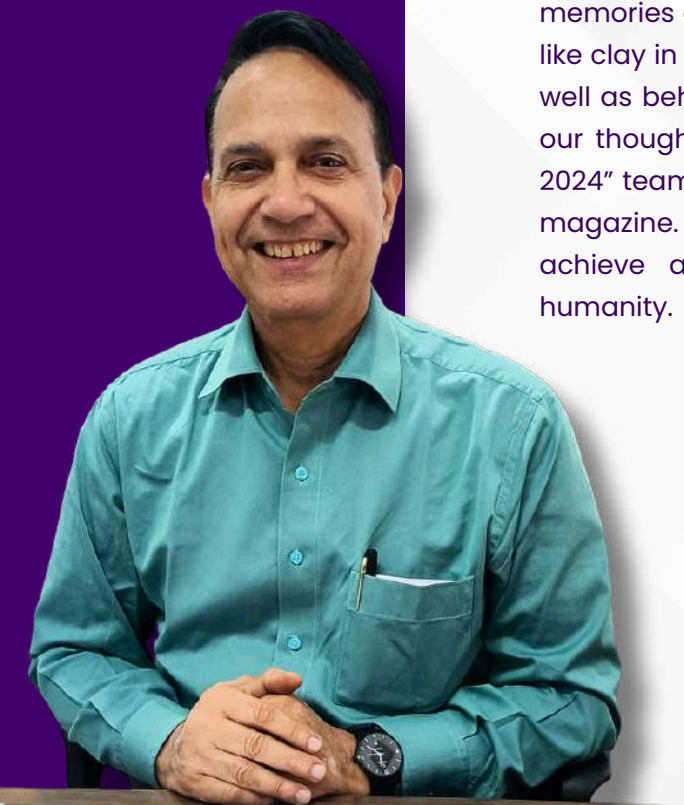
OUR PILLARS OF STRENGTH

Shri Manoj Kumar Mahla

Executive Director

A warm welcome to the publication group for distributing the GIT yearly "GIT-TECHNIDO-2024". It is a matter of great pleasure for me to go through the wonderful contributions made by the students and staff. This magazine is intended to bring out the hidden literary talents in the students and the teachers and to inculcate leadership skills among them.

The outside world will come to know about the caliber of the students through this magazine. I extend my sincere thanks to all the contributors for their articles, poems, and drawings. "GIT-TECHNIDO-2024" is a perfect fusion of faculty and students achievements. The writeups, articles, art photography, personal experiences, and wonderful memories of people reflect their creativity and potentiality. Students are like clay in our hands. Like a sculptor, we can carve their personalities as well as behavior. This magazine enlightens our growth and gives life to our thoughts and manifests. I congratulate the entire "GIT-TECHNIDO-2024" team for their dynamic work that has resulted in bringing out this magazine. across the GIT college, the nation and the world campaign to achieve academic excellence and contribute for the benefit of humanity.



"We at GIT College are committed to fostering innovation, excellence, and a future driven by knowledge and ambition"...

OUR PILLARS OF STRENGTH

Mr. Praveen Sharma

VP-Marketing & Liaising

It gives us immense pleasure to bring out the college magazine “GIT-TECHNIDO-2024”. This magazine has been an effective platform for students and staff to express their talents and hidden skills.
We would like to take this opportunity to express our sincere thanks to all the Trustees ,Principal, HODs and Faculty members of GIT.
We thank the Editorial Board Members for their Informa suggestions and advice. We are indebted to the student members of the Editorial Board for their seamless efforts in bringing out the magazine in a colorful way.

"We strive to build meaningful connections, amplify our vision, and position GIT College as a beacon of innovation and excellence"...

OUR PILLARS OF STRENGTH

Mr. Pankaj Jain

Chief Editor
Assistant Professor, CSE

It is with great pride and immense satisfaction that I present to you the latest edition of "Technido", our college's annual magazine. This magazine is a celebration of creativity, innovation, and the tireless efforts of our students and faculty members. It reflects the vibrant spirit and dynamic culture that define our institution.

"Technido" is not merely a collection of articles, poems, and achievements; it is a canvas that showcases the dreams, ideas, and aspirations of our young minds. It is a platform where knowledge meets creativity, and ideas transform into reality. Each page of this magazine resonates with the dedication, hard work, and passion of our students, who continue to push boundaries and set new benchmarks in academics, technology, and extracurricular pursuits.

Compiling this edition has been a journey filled with learning and inspiration. I am deeply grateful to the editorial team for their relentless commitment and to all the contributors for sharing their thoughts, experiences, and talents. Their collective efforts have made this edition truly special.

As you turn the pages of "Technido", I hope you find inspiration, joy, and a sense of pride in being part of this ever-growing academic family. Let this magazine be a reminder that creativity and knowledge go hand in hand in shaping a brighter future.

"May the voices that rise from this platform echo far beyond, inspiring generations to come with their wisdom and vision"...

GLOBAL INSTITUTE OF TECHNOLOGY, JAIPUR

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CSE

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DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

Dr. Pradeep Jha
HEAD OF DEPARTMENT

The Department of Computer Science & Engineering is committed towards imparting quality education and developing future technocrats in the stream of computers. It is focused towards its mission of facilitating students progress by providing strong foundation in fundamental concepts as well as inculcating core values of professionalism and ethics.

Our Aim is to improve the quality of student's result, to inculcate the right Domain skills required in Computer Science & Engineering, to create passionate students heading towards self actualization and to promote creative problem solving related to societal needs.

The Department is pillared by the qualified and experienced faculty and backed by the student centered teaching learning processes. The department presents them with plenty of opportunities for applying their acquired knowledge and critical thinking skills, thus striving to provide a bridge between the theory and the practice.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

ABOUT DEPARTMENT

This Department deals with both software and hardware aspects of computer that provide ways to speed up and optimize the work not only of the industry but also of common people.
It deals with the development, utilization, inter-relations and confluence of computers, networking, telecommunications and technology management in the context of global interests.
Presently it has a vast potential of job opportunities within and outside the country.

SALIENT FEATURES

GIT Jaipur brings excellent opportunities to the CSE students, thanks to their industry-specific curriculum, skilled and trained faculties, world-class infrastructure, modern equipment units in the laboratory, and so on. Throughout the four years of the course plan, you will study different subjects concerning computer science topic. You will gain knowledge about software and hardware, so you can have better chances of getting your dream job in several companies.

VISION

The vision of the department of Computer Science & Engineering is to be recognized as trendsetter of its undergraduate program through focus on core competencies multidisciplinary collaborations and quality in education.

MISSION

The mission of the Department of Computer Science & Engineering is to produce highly qualified, well formed and motivated graduates possessing fundamental knowledge of engineering practices and research of computer science &engineering who can provide leadership and service to our nation.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

One Week **Faculty Development Program** on **Cyber Security and Analysis** (8th-13th January 2024)

Our college recently hosted a One Week Faculty Development Program (FDP) on "Cyber Security and Analysis" from 8th January to 13th January. The program aimed to equip faculty members with the latest advancements and practices in the field of cyber security, enhancing their technical and analytical skills.

This FDP marked a significant step in our college's commitment to promoting excellence in education and staying abreast of technological advancements.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

4th International Conference- Data science and Engineering Application(ICDSEA)-2024 held on 26th April - 27th April 2024 **(Day-1)**

The first day saw a robust of keynote speakers, including Dr. Pilli Emmanuel Shubhakar from MNIT, Jaipur, Dr. Sumit Srivastava, and Dr. Dinesh Yadav from Manipal University, Jaipur, and Dr. Manju Vyas from JECRC Foundation shedding light on nuanced aspects of Data Science.

Post a brief tea break, the first technical session was held in four tracks. Paper presentations in the area of Data Science the second track of paper presentation was Mr. Amit Kumar & Ms. Ayushi Shukla. Paper presentations in the area of Data Science the first day of the international conference was successfully concluded.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

4th International Conference- Data science and Engineering Application(ICDSEA)-2024 held on 26th April - 27th April 2024 **(Day-2)**

Convener of ICDSEA addressed the gathering at the valedictory session post where the award ceremony was conducted and awarded certificates. The conference concluded with a vote of thanks by Dr. Pradeep Jha, HOD CSE, Convener, Mr. Amit Bohra and Dr. Rema Ajmera, Co-Convener of ICDSEA. The link of the feedback form was also shared with all the participants so that they could fill in and submit the same to receive their certificates.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

CodeFiesta 3.0 Hackathon (17th-18th October 2024)

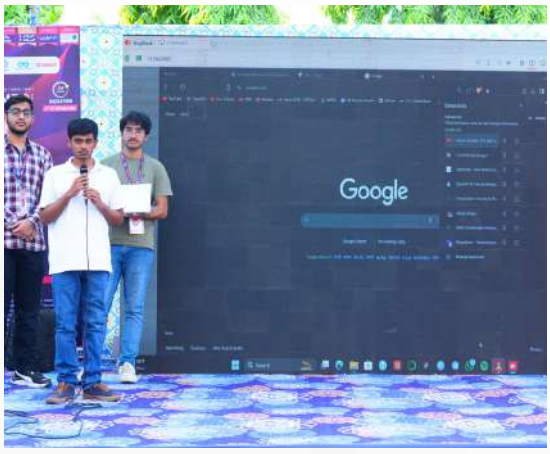
ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में आयोजन

हैकाथॉन में जुटी देशभर की टीमें

जयपुर @ पत्रिका प्लस. सीतापुरा स्थित ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में फिएस्टा 3.0 हैकाथॉन का आयोजन किया गया। मुख्य अतिथि आइएएस वी. सरवन कुमार ने दीप प्रज्वलित कर हैकाथॉन का शुभारंभ किया।

संस्थान के अध्यक्ष राजकुमार कंदोई ने मुख्य अतिथि का स्वागत किया। हैकाथॉन में देशभर से आइआइटी, एनआइटी और अन्य इंजीनियरिंग कॉलेज से 213 टीमों ने भाग लिया। हैकाथॉन में स्टूडेंट को 12 कैटेगरी में सॉफ्टवेयर और एप्लीकेशन बनाने के लिए 24 घंटे का समय दिया गया। इसमें जीआइटीएस उदयपुर की टीम ने प्रथम स्थान प्राप्त किया। जीआइटी जयपुर कॉलेज की टीम उपविजेता रही। सिल्वर ओक यूनिवर्सिटी अहमदाबाद की टीम ने तीसरा स्थान प्राप्त किया। संस्थान के सीईओ नमन कंदोई ने बताया कि हैकाथॉन के समापन पर अध्यक्ष राजकुमार ने टॉप 13 टीमों को नकद पुरस्कार प्रदान किए।

CodeFiesta 3.0 Hackathon (17th-18th October 2024)



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

Career Guidance Session: **"Awareness Program on Higher Education Program"** (13th November 2024)

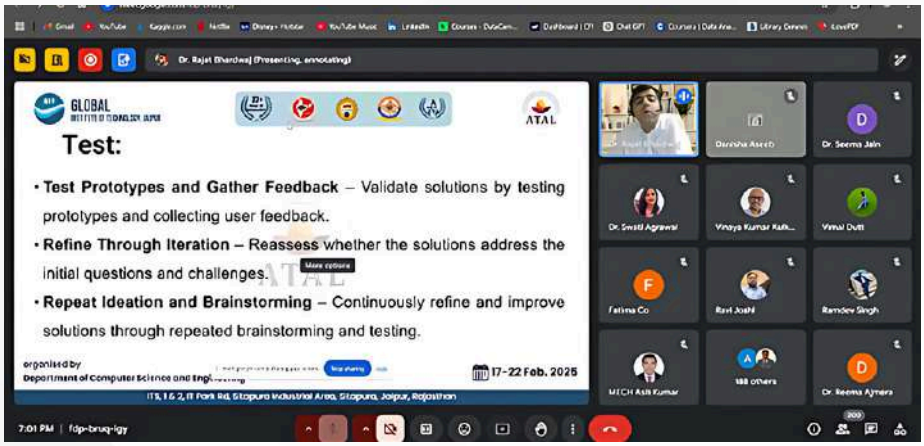
Mr. Shishir Persai, Eminent Educationalist at Made Easy, Jaipur started welcome address, and explained the career aspects. The enlightening talk on "Career Aspects After B.Tech" was an eye-opener for many aspiring minds.

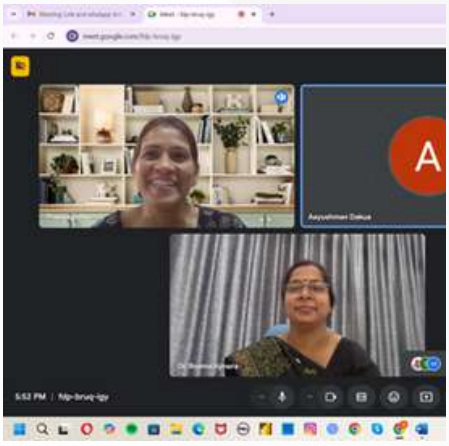
The session began with a brief overview of the importance of competitive exams (ESE/GATE/PSUs) and how conceptual knowledge of students is important for attaining success at these exams. The session aimed at highlighting the major career opportunities after completing B.tech and also how to prepare for campus recruitment and how to get a core job.

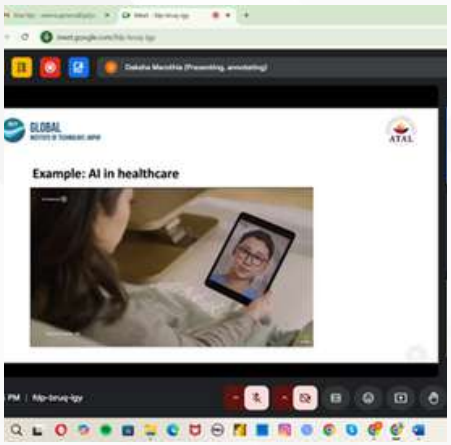
DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

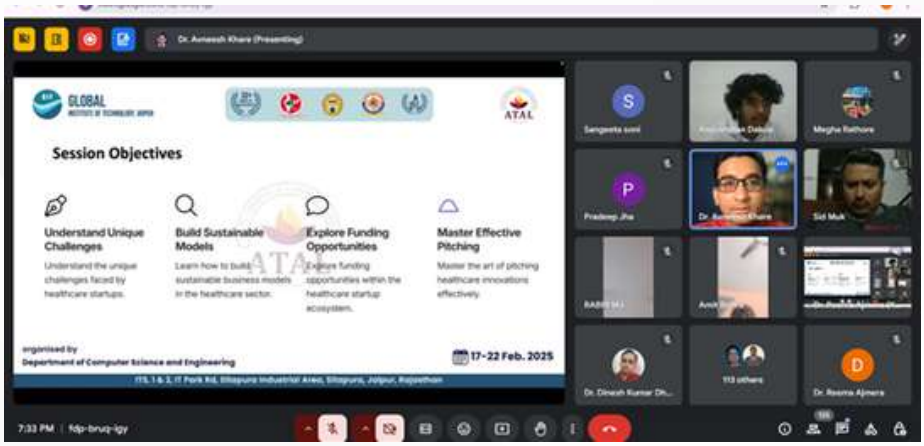
DEPARTMENTAL ACTIVITIES

One Week **Faculty Development Program** on **Objective-Based Education Session** (3rd to 7th January 2025)









The session focused on the principles and implementation of objective-based education in modern academia.

Dr. Jha began by explaining the importance of aligning educational objectives with learning outcomes to ensure that students acquire the skills and knowledge required for their professional and personal development. He elaborated on methods to design curricula that prioritize measurable goals and continuous assessment to track progress.

The session also highlighted the role of technology in facilitating objective-based education, including tools for personalized learning and data-driven insights.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

Faculty Development Program on **Cloud Computing and DevOps** (10th-17th January 2025)

The talk highlighted the growing significance of cloud computing and its seamless integration with DevOps methodologies.

The speaker discussed the fundamentals of cloud computing, including its service models (IaaS, PaaS, SaaS) and deployment models (public, private, hybrid). They elaborated on how DevOps enhances software development and deployment processes by promoting collaboration, automation, and continuous delivery.

The session showcased real-world use cases demonstrating the power of cloud computing and DevOps in driving efficiency and scalability for businesses.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACTIVITIES

Seminar on **National Start-Up Day Celebration**
(16th January 2025)

Celebrated National Start-Up Day on **16th January 2025,** commemorating the spirit of entrepreneurship and innovation. The event featured a series of activities, including expert talks, panel discussions, and a start-up exhibition showcasing innovative projects by budding entrepreneurs.

Prominent speakers from the start-up ecosystem shared their success stories and insights into building and scaling start-ups. The discussions highlighted the challenges faced by entrepreneurs, the importance of resilience, and the role of government initiatives like Start-Up India in fostering a supportive ecosystem.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

STUDENT TECHNICAL ARTICLES

Machine Learning: The Catalyst for Intelligent Evolution

Machine Learning (ML), a critical branch of Artificial Intelligence (AI), is redefining the way technology evolves by enabling systems to learn, adapt, and make decisions autonomously. Its applications span a broad range, from automating processes and predictive analytics to offering personalized solutions, making ML indispensable across industries.

TensorFlow, an open-source ML framework, has been instrumental in democratizing access to advanced machine learning tools. Supporting architectures from basic neural networks to state-of-the-art transformers, it allows developers to tackle complex challenges efficiently. Its integration with mobile and edge devices ensures scalable solutions, empowering innovators to bring ML-powered applications to real-world settings.

Emerging techniques like few-shot and zero-shot learning are revolutionizing the field by enabling models to generalize across tasks with minimal or no labeled data, addressing resource constraints effectively. Synthetic data is another breakthrough, generating realistic yet anonymized datasets to protect privacy while maintaining model accuracy.

Explainable AI (XAI) is addressing one of ML's significant challenges—its "black-box" nature. Tools like TensorFlow Explain provide transparency into model decisions, fostering trust and accountability in AI systems.

This ensures ethical AI development, emphasizing fairness, inclusivity, and responsibility.

ML's impact is evident in diverse applications. Precision agriculture uses ML for diagnosing plant diseases, optimizing irrigation, and forecasting yields, as seen in my work on rice crop disease detection. In healthcare, ML drives advancements like personalized diagnostics and protein structure prediction. It's also vital in combating climate change by optimizing renewable energy and predicting natural disasters.

With advancements in federated learning, unsupervised learning, and quantum-enhanced ML, the potential for innovation continues to grow. For students and enthusiasts, mastering ML is more than a skill—it's an opportunity to contribute to a future shaped by intelligent solutions.

Embrace TensorFlow. Innovate boldly. Shape the extraordinary.

~ **Tanishq Chourasiya**
4th Yr. AI&DS

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

STUDENT TECHNICAL ARTICLES

Technology in the Metaverse: The Pillars of Virtual Reality

Virtual Reality (VR) & Augmented Reality (AR): VR creates fully immersive digital worlds, while AR enhances the real world by adding virtual elements. Together, they allow users to experience and interact with digital environments.

Blockchain: This technology ensures secure ownership of digital assets, with NFTs enabling the buying, selling, and trading of virtual goods and property, establishing a decentralized economy.

Artificial Intelligence (AI): AI brings the Metaverse to life by powering avatars, enhancing user interactions, and adapting environments based on user behavior.

3D Modeling & Real-Time Rendering: These technologies build detailed, interactive worlds that respond to user actions, making the Metaverse visually realistic and engaging.

5G & Edge Computing: High-speed internet and decentralized data processing ensure fast, lag-free experiences in the Metaverse, even with large-scale interactions.

Internet of Things (IoT): IoT connects the physical and digital worlds, allowing real-time data from devices like wearables to influence the Metaverse experience.

The future of the Metaverse is rich with potential. As technologies like AI, blockchain, and VR continue to evolve, the Metaverse will become an increasingly integrated part of our digital lives. Whether it's creating virtual spaces for socializing, education, or work, the Metaverse will continue to reshape the way we engage with technology.

For students, developers, and tech enthusiasts, the Metaverse presents an exciting frontier. By mastering the technologies that power it—VR/AR, AI, blockchain, and 3D modeling—there's an opportunity to be part of the next generation of digital innovators. The Metaverse offers boundless opportunities to innovate and contribute to this virtual revolution. The journey to mastering Metaverse technologies is not just about technical expertise—it's about building a new reality..

~ Ishwar Verma
3rd Yr. CSE

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

STUDENT TECHNICAL ARTICLES

Supercomputing Reinvented: The Rise of Quantum Computing

The evolution of computational technology over the past century has radically transformed the way humans solve problems, analyse data, and innovate in myriad fields. Among the most groundbreaking advancements is the development of quantum computing, a revolutionary technology that has the potential to solve complex problems in seconds that would take traditional computers years—or even centuries—to compute. Quantum computing, built on the principles of quantum mechanics, introduces an entirely new paradigm of computing that could redefine industries, reshape our understanding of mathematics, and provide solutions to challenges previously considered insurmountable. At the core of quantum computing lies the concept of quantum bits, or qubits. Unlike classical bits, which exist in a state of either 0 or 1, qubits can exist in superposition, representing both 0 and 1 simultaneously. This fundamental difference allows quantum computers to process vast amounts of information in parallel. In addition, the principle of entanglement enables qubits to be interconnected in such a way that the state of one qubit is directly related to the state of another, even if separated by great distances. Together, these properties exponentially increase the computational power of quantum systems, enabling them to explore multiple solutions at once and arrive at optimal outcomes far more efficiently than classical computers. One of the most notable areas where quantum computing promises to make an impact is in optimization problems, which are prevalent in fields ranging from logistics and finance to engineering and artificial intelligence. For instance, determining the most efficient route for delivery trucks across a network of cities involves solving what is known as the traveling salesman problem. As the number of cities increases, the number of possible routes grows factorially, making it computationally prohibitive for classical computers to identify the optimal route in a reasonable timeframe. Quantum computers, however, can evaluate all potential routes simultaneously due to their ability to process multiple states at once, drastically reducing the time required to find the solution.

~ **Avadhi Singhal**
3rd Yr. CSE

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

STUDENT TECHNICAL ARTICLES

Tackling Dark Web Crime: Challenges and Strategies

The Dark Web is an enigmatic and often misunderstood part of the internet that has captured the fascination of the public, cybersecurity experts, and law enforcement agencies alike. While popular culture often portrays the Dark Web as a shadowy underworld of illicit activity, its true nature is much more complex. To fully understand the Dark Web, one must delve into its structure, uses, and the technological innovations that make it possible, while also grappling with its potential risks and the societal questions it raises. Understanding the Internet's Layers : To comprehend the Dark Web, it's important to first differentiate between the Surface Web, the Deep Web, and the Dark Web. The Surface Web consists of publicly accessible websites indexed by search engines like Google and Bing. These are the sites most internet users interact with daily, such as news portals, e-commerce platforms, and social media. The Deep Web, on the other hand, refers to parts of the internet not indexed by traditional search engines. These include academic databases, private intranets, subscription-based platforms, and password-protected websites. While vast in scale, the Deep Web is largely mundane, comprising legitimate and necessary online functions. The Dark Web is a subset of the Deep Web, distinguished by its intentional anonymity and encryption. Accessible only through specialized software like Tor (The Onion Router), the Dark Web operates on protocols designed to mask the identities of users and servers alike. This level of secrecy makes it both a haven for privacy-conscious individuals and a fertile ground for illegal activity.

Technology Powering the Dark Web:

The Dark Web owes its existence to technologies designed to enhance privacy and security. One of the most prominent tools is Tor, a decentralized network of volunteer-operated servers. Tor routes internet traffic through multiple layers of encryption, making it virtually impossible to trace the origin or destination of data. Other similar networks include I2P (Invisible Internet Project) and Freenet. On the Dark Web, websites use the ".onion" domain and can only be accessed through Tor-compatible browsers. These sites do not reveal their IP addresses, further enhancing their anonymity. Transactions on the Dark Web often rely on cryptocurrencies like Bitcoin and Monero, which provide an additional layer of financial secrecy.

~ **Abhilash Joshi**
3rd Yr. CSE

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACHIEVEMENT

MANIPAL UNIVERSITY JAIPUR

CERTIFICATE OF APPRECIATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Anantika Johari

IN RECOGNITION AND APPRECIATION OF YOUR KNOWLEDGE SHARING AS

SESSION CHAIR

AT

INTERNATIONAL CONFERENCE ON INNOVATIONS IN DATA SCIENCE

ICIDS 2024

Dr Akhilesh K Sharma, HoD, Dept of DSE | Dr Chirag Joshi, Convenor, ICIDS | Dr Gaurav Kumawat, Convenor, ICIDS | Dr Sumit Srivastava, Director, SISDS

28 – 29 NOVEMBER 2024

IEEE IDCIoT REVA UNIVERSITY

3rd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT-2025)

5-7, February 2025 | Bengaluru, India

Certificate of Presentation

This is to certify that

Manju Mathur

has successfully presented the paper entitled

Enhancing Real Estate Market Predictions: A Machine Learning Approach to House Valuation

at the 3rd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT-2025) organised by School of Computer Science and Engineering, REVA University, Bengaluru, India during 5-7,February 2025.

Session Chair | Dr. Syed Muzamil Basha, Conference Chair | Dr. Ashwinkumar U.M, Director

XPLORE COMPLIANT ISBN: 979-8-3315-2754-9

MeitY

E & ICT Academy, IIT Kanpur

(A Joint initiative of MeitY & IIT Kanpur)

Certificate

This is to certify that Dr. / Mr. / Ms. **Sangeeta Soni** of Global Institute of Technology, Jaipur has completed the **Faculty Development Program** on **Data Science (ML&AI)** from 09-09-2024 to 15-09-2024

Date of Issue: 23-09-2024

Prof B. V. Phani, Chief Investigator, E&ICT Academy, IIT Kanpur

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MANIPAL INSTITUTE OF TECHNOLOGY BENGALURU

(A constituent unit of MAHE, Manipal)

CODE-AI, 2024

Certificate of Presentation

This certificate is proudly presented to

Dr. Anju Gautam[1], Chandresh Bakliwal[1], Dr. Reema Ajmera[2], Dr. Dinesh Kumar Dharamdasani[3], Dr. R. Bhardwaj[4]

[1] Nirwan University, Jaipur, India
[2] GIT, India
[3] University of People, California, USA
[4] ASET, Amity University, Bengaluru, Karnataka, India

of

have presented a paper entitled Predicting Analysis of Heart Attack Risk Using Machine Learning Algorithms and Deep Neural Networks

in the First edition of International Conference on Data Science and Exploration in Artificial Intelligence, CODE AI 2024 held during 3rd and 4th July 2024, organised by Manipal Academy of Higher Education, Manipal Institute of Technology, Bengaluru, in association with MITB ACM Student Chapter, powered by CGI.

General Chair, Code AI 2024, Manipal Institute of Technology, Bengaluru | Program Chair, Code AI 2024, Manipal Institute of Technology, Bengaluru

In Association with

Elite

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(Funded by the MoE, Govt. of India)

This certificate is awarded to

APOORVA JOSHI

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of 84 %

Online Assignments	24.19/25	Proctored Exam	59.38/75

Total number of candidates certified in this course: 9310

Jan-Apr 2024

(12 week course)

Prof Haimanti Banerji, Coordinator, NPTEL IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL24CS19S457801114 | To verify the certificate | No. of credits recommended: 3 or 4

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

DEPARTMENTAL ACHIEVEMENT

Certificates			
S.No	**Name**	**Title**	**Name of Association, Ref. No.**
1	Dr. Reema Ajmera	The Revolution of Large Language Models (LLMs) in Artificial Intelligence	ATAL FDP, Ref. No. ATAL/2024/1731736607 Date: 18-11-24 to 23-11-24
2	Mr. Hemant mittal	Exploring Advanced AI and Data Science Applications in Healthcare	ATAL FDP, Ref. No. ATAL/2024/1730703984 Date: 15-01-25 to 28-01-25
3	Mr. Abhay Purohit	Mindful Teaching: Prioritizing Wellbeing	ATAL FDP, Ref. No. ATAL/2024/1733982890 Date: 16-12-24 to 21-12-24
4	Mr. Amit Bohra	An Innovative Approach to College Placement Management in Technical Institution	4th International Conference on Data Science & Engineering Applications (DSEA-2024) ISBN :- 978-81-956107-3-0
5	Ms. Manju Mathur	Enhancing Campus Efficiency	International Journal of Engineering Trends and Applications (IJETA) ISSN: 2393-9516
6	Mrs. Ayushi Shukla	From Prototyping to Production: LLM Chains carrying the Software Development Pipeline	International Journal of Engineering Trends and Applications (IJETA) ISSN: 2393-9516

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

TOPPERS LIST

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CSE 2020-24
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Janvi Jain
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Dausa, Rajasthan

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Jalor, Rajasthan

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Aditi Biswas
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Agartala, Tripura

Ritu Vaishnav
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CSE 2020-24
Jalore, Rajasthan

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE

DEPARTMENTAL ACTIVITIES

5 day **Workshop** on **Generative AI** (4th-8th December 2024)

Mr. Abhinav Saxena, Generative AI Expert at Learn & Build, Jaipur

The workshop aimed to provide in-depth knowledge about the rapidly evolving field of Generative AI, focusing on the capabilities and applications of Large Language Models (LLM), such as ChatGPT and other transformative AI technologies.

The workshop was well-received by the participants, who appreciated the depth and clarity with which the topics were covered. The students found the hands-on session particularly helpful in understanding how large language models can be utilized for various applications.

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE

DEPARTMENTAL ACTIVITIES

Expert Talk Session on **The Journey of AI to Large Language Models** (13th January 2025)

This expert talk broadened the understanding of AI among participants and underscored the importance of staying updated with emerging technologies. It was a valuable addition to our college's efforts to foster a culture of innovation and learning.

The interactive session concluded with a lively Q&A segment, where students and faculty engaged with the speaker, discussing the potential of AI to shape the future. The talk was highly informative and inspired attendees to explore opportunities in this rapidly evolving domain.

DEPARTMENT OF
ELECTRICAL ENGINEERING

Mr. Atul sharma
HEAD OF DEPARTMENT

It gives me immense pleasure in bringing out Annual Magazine TECHNIDO-2024. TECHNIDO is a thought with an objective to bring forward some new ideas, talents, abilities and potential – it's a sincere effort to search for new successors.

We, GITians proudly associate ourselves with the initiative of publishing the 2024 issue of our magazine "TECHNIDO-2024" – continuous improvement. The journey of TECHNIDO begins with exploring the creativity & potential we have in ourselves and its success lies in setting new benchmarks.

We all have attempted to present TECHNIDO – a mirror reflecting the common traditions, values and culture that GITians share and the uncommon, distinguished, personalities, attitudes and passion for the success we hold.

At this stage, where college management supported this initiative, we look forward to your support and participation in establishing TECHNIDO as a Milestone. As we strongly believe "Winners don't do different things. They do things differently."

DEPARTMENT OF
ELECTRICAL ENGINEERING

ABOUT DEPARTMENT

Electrical Engineering is an exciting and dynamic field. Electrical engineers are demand of the day since they are responsible for generation, transmission and conversion of electrical power. Department of Electrical Engineering offers UG and PG Programme. The department has qualified and experienced faculty in all the fields like electrical machines, electrical power systems, power electronics and drives, electronics, high voltage engineering etc. The theoretical knowledge is further supplemented by well-equipped laboratories. Department is equipped with latest state of art laboratories for electrical machines, power electronics, power systems with software, control systems, integrated circuits, electric circuits, measurements and instrumentation lab, engineering practices lab and electronics design lab with excellent computing facilities. It also has latest audio – visual teaching aids. Internet facility is available for students.

VISION

The vision of the Electrical Engineering Department is to be recognized as a trendsetter in its undergraduate program through a focus on core competencies, multi-disciplinary collaborations, and quality in education.

MISSION

To produce highly qualified, well-formed and motivated graduates possessing fundamental knowledge of engineering practice and research of Electrical Engineering who can provide leadership and service to our nation and world.

DEPARTMENT OF
ELECTRICAL ENGINEERING

FACULTY TECHNICAL ARTICLES

Power Failure and Phasor Measurement Unit in the World

Mr. Sonu Kumar Bairwa
(Electrical Engineering)

Power failure is a temporary loss of electricity in a specific area or building. It can also be known as a power outage, power cut, or blackout. **The major reasons behind the power failure are:**

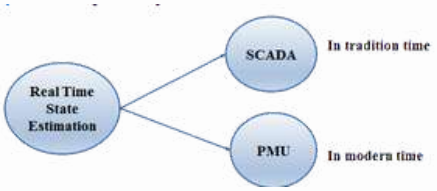
- Aged power system infrastructure, Overstress, Increasing power demand
- Lack of grid monitoring facility,
- Lack of accurate real time data analysis etc.

To resolve this problem, we have to required real time data analysis of the power system.

There two type of monitoring system one is SCADA and another is PMU.

Phasor Measurement Unit:

PMU is a device used to estimate the magnitude and phase angle of an electrical phasor quantity like voltage or current in the electricity grid using a common time source for synchronization. Time synchronization is usually provided by GPS and allows synchronized real-time measurements of multiple remote measurement points on the grid. The resulting measurement is known as synchrophasor. PMU can also be used to measure the frequency in power grid.



History of PMU:

First introduced in 1980s by Bonneville Power Administration (BPA) for measure phase angle between voltage phase and current phase. Invented by Dr. Arjun G. Phadke and Dr. James S. Thorp at Virginia Tech in 1988 and evolved it into the calculation of real time phasor measurements. For obtain real time data, US department of defence develop and deploy GPS in 1993.Wide Area Monitoring System (WAMS) project was started in 1995 by the US Department of Energy (DOE) and the Electric Power Research Institute.

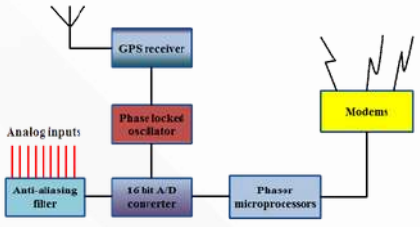


Fig: Structure of PMU

DEPARTMENT OF
ELECTRICAL ENGINEERING

FACULTY TECHNICAL ARTICLES

Installed at remote end in power substation and connected to Current Transformer (CT) & Potential Transformer (PT). Line current and voltage directly fed to these devices. Inside PMU, it has filter circuit, sampling circuit, time synchronised signal (form GPS) and processing unit. Before processing the input signal for estimating its phasor value, it is filtered and sampled to overcome the problem of aliasing and leakage. Through suitable algorithm like FFT, SDFT or parametric approaches its phasor estimation is performed. Estimated phasor value is consists of magnitude, phase, frequency and rate of change of frequency of input signal.

PMU installation statistics in the world:

S. No.	Country Name	Installed PMU Status
1	USA	More than 3000
2	Brazil	About 200
3	China	4000
4	India	1950

DEPARTMENT OF
ELECTRICAL ENGINEERING

TOPPERS LIST

Khushnuma
8.91 CGPA
Rank-1
EE 2020-24
Jaipur, Rajasthan

Rahul Singh Chauhan
8.79 CGPA
Rank-2
EE 2020-24
Jaipur, Rajasthan

Gaurav Mangal
8.54 CGPA
Rank-3
ME 2020-24
Gangapurcity, Rajasthan

SPIRITUALS SPECTRUM @GIT

"SHREE RAM MANDIR OPENING CELEBRATION"

SHREE RAM PUJA

SUNDERKAND

"SHREE RAM MANDIR OPENING CELEBRATION"

"KRISHNA JANMASHTAMI CELEBRATION"

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

Mr. Gautam Gunjan
HEAD OF DEPARTMENT

A hearty welcome to the Department of Mechanical & Civil Engineering at Global institute of technology, Jaipur Rajasthan. The department runs an undergraduate program in Mechanical & Civil Engineering and PG program with Production Engineering specialization. The department vision is to be achieve an excellence in value based on Engineering Education.

For the overall development of the student, department of Mechanical engineering is associated with Memberships of professional bodies, such as, ISHRAE Indian society of heating, Refrigeration and Air Conditioning Engineers (India). The department also formulated Mechanical Engineering Students association(MEA). Various activities of these professional bodies and chapters helps students to gain knowledge and interact with students and staff of other colleges/universities as well as Industry Engineers. The department encourages students to take part in various competitions.

I wish success to all students in your endeavor to join us on the journey of quality education & to have a great learning experience with my excellent, loving & caring team.

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

ABOUT DEPARTMENT

Mechanical engineering is a vast field where students have the leverage to find their dream job in multiple industries, like automotive, aviation, aeronautics, aerospace, biomedical, computer hardware, power plants, and so on.
A mechanical engineer is concerned with implementing different technical approaches to design, plan, manufacture, and launch products in the market for user benefit. Nowadays, students are provided with several types of mechanical engineering to achieve excellence in their domains. A bachelor's degree in mechanical engineering paves the way for further studies in automotive, aerospace, aeronautical, and many other industries.

VISION

The vision of the Department of Mechanical Engineering is to be recognized as a trendsetter in its undergraduate program through a focus on core competencies, multi-disciplinary collaborations, and quality in education.

MISSION

The department of Mechanical Engineering at Global Institute of Technology endeavors to provide first class technical education in the field of Mechanical Engineering to students, so that they can lead multi-disciplinary technical teams; contribute innovatively towards the development of cutting edge technology; take up active research to meet ever-increasing societal needs; and thus play a significant role in improving the quality of life of the human beings in the whole.

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

FACULTY TECHNICAL ARTICLES

Designing and modeling of multiple evaporator refrigeration system

Mr. Gautam Gunjan
Head | Civil & Mechanical Engineering

The present invention is directed to a refrigerator incorporating a freezer compartment, a fresh food compartment, an icemaker and a refrigeration system including multiple evaporators and associated valving which operate in conjunction with a common compressor and condenser in order to effectively regulate temperatures in specified zones of the refrigerator throughout various operational modes. More particularly, the refrigerator can be operated in at least a freezer cooling mode, a fresh food cooling mode and an ice harvesting mode. The icemaker is located in the fresh food compartment and can be selectively linked to the cooling of the fresh food compartment, while being also being selectively isolated for at least the ice harvesting mode. More specifically, each of the freezer, fresh food and icemaker is provided with a dedicated evaporator such that, during the freezer cooling mode, refrigerant flows from the compressor, to the condenser, through the freezer evaporator and back to the compressor. During fresh food compartment cooling, the refrigerant bypasses the freezer evaporator and instead flows from the condenser to the fresh food evaporator, preferably through the icemaker evaporator, prior to being directed back to the compressor. During an ice harvest event, a gaseous flow from the compressor is routed directly to the evaporator of the icemaker to melt ice at an ice/icemaker evaporator interface in aiding in the release of the ice from an ice mould. The arrangement of the components and the strategic locating of the valving establish the distinct, isolated flow patterns for the various modes of operation. Additional objects, features and advantages of the present invention will become more readily apparent from the following detailed description of preferred embodiments when taken in conjunction with the drawings where in like reference numerals refer to corresponding parts in the several views.

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

FACULTY TECHNICAL ARTICLES

Crop Water Estimation for Chaksu Tehsil of Jaipur using CROPWAT

Ms. Tanisha Punjabi
Civil Engineering

The estimation of crop water requirement is performed with the help of CROPWAT for Chaksu Tehsil of Jaipur district. The monthly estimated ETo value and observed pan-evaporation data were compared for this model. Furthermore, the CROPWAT software used for ET estimation which is based on Penman- Monteith equation. CROPWAT is a computer programmed software used for the calculation of crop water requirement which is based on factors like climate, soil, and crop data. It allows the development of irrigation schedule, and evaluate the crop performance on the basis of irrigated condition and rainfall condition. It also evaluates the irrigation practice of farmers. The result obtained from this study can be used for irrigation management in Chaksu tehsil, considering minor and major crops of the area.

As one can see that the existing climate and increase in population poses a major challenge in global freshwater resources. It is more visible in the agricultural sector, especially in water-stressed countries like India. According to the World development indicators (WDI) 2016, the total Agricultural land in India is 1797210 sq. km which is about 60.45% of land area. These imply the pressure on the water for producing food, fibers, etc.

In this regard, the estimation of the water requirement of different crops is necessary to decrease the water scarcity and increase potential growth of crops. For proper management of irrigation, it is a needful step to estimate the crop water requirement for crops accurately. The crop water requirement can be defined as "the depth of water needed to meet the water loss through evapotranspiration (ETc) of a disease-free crop, growing in large fields under no restricting soil conditions including soil water and fertility and achieving full production potential under the given growing environment". The crop water requirement is measured in terms of crop Evapotranspiration (ET). In this article computation of ETo using temperature-based models. Computation of crop water requirement using computed ETo and crop coefficient (Kc) for major crops. Comparison of ETcrop derived from satellite data and CROPWAT model.

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

FACULTY TECHNICAL ARTICLES

Methodology

Climatic Condition of Chaks Cloud

In Chaksu, the normal level of the sky secured by mists encounters extraordinary regular variety through the span of the year. In Chaksu, the normal level of the sky secured by mists encounters outrageous occasional variety throughout the year.

Precipitation

A wet day is unified with in any event 0.04 creeps of fluid or fluid identical precipitation. The possibility of wet days in Chaksu fluctuates altogether consistently.

Rainfall

To show variety inside the months and not simply the month-to-month sums, we show the precipitation gathered over a sliding 31-day time span revolved around every day of the year. Chaksu encounters extraordinary regular variety in month-to-month precipitation.

DEM of Study Area

Chaksu Tehsil is spread over 2 tiles, the Digital Elevation Model (DEM) is generated by CARTOSAT 30 m resolution data. The CARTOSAT of these 2 tiles was downloaded from BHUVAN site of National Remote Sensing Centre. These tiles afterward were used create mosaic and clip using tehsil boundary of Chaksu in ERDAS Imagine, shown in figure

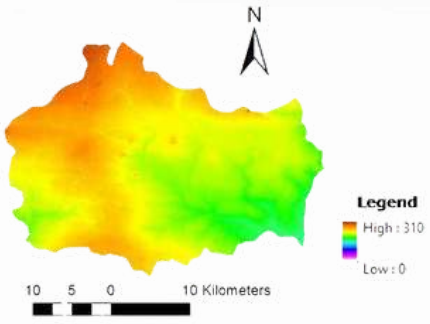


Fig : Digital Elevation Model of Chaksu

Metrological Data

Metrological data like minimum temperature, maximum temperature, Relative humidity, wind speed, sunshine hours, pan evaporation are needed for the computation of Evapotranspiration (ET).

The Metrological data is acquired from power. larc.nasa corresponding to the longitude and latitude of the area. The daily data is downloaded from 1 January 2015 to 31 December 2019. The downloaded data of minimum temperature, maximum temperature, relative humidity, wind speed (at 10 m height) is in the form of an excel sheet corresponding to the year, month and day. Furthermore, the daily data is converted into monthly data by taking the average of that particular month.

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

FACULTY TECHNICAL ARTICLES

Behavior of Concrete Utilizing AR Glass Fibre as a Partial Replacement of Cement

Mr. Usman Md
Assistant Professor, Civil Engineering

Concrete is the construction material without the life of construction industry cannot be imagined. It has been known that concrete is stronger in compression and weaker in tension. Weak tensile strength combined with brittle behaviour, which results in sudden tensile failure of structural member without any warning. The aim of this investigation is to decrease environmental pollution & energy consumption use in cement production and to improve the tensile behaviour of concrete by using AR glass fibre as a partial replacement of cement in concrete. Concrete is the most widely used construction material in the world. It is the homogenous mixture of binding material, sand and aggregates. The simplest reason for its extensive use in the construction of almost all civil engineering works is that the properties can be controlled which a wide range by using appropriate ingredients. It has been known that concrete is stronger in compression and weaker in tension. Fibres are commercially available and manufactured from steel, plastic, glass and other natural materials. The effect of the fibre in the composite leads to an increase in the tension and impact strength of the concrete glass fibre is a light weight, strong and waste materials. Fibre Reinforced Concrete can be defined as a composite material consisting of mixtures of cement, sand, cement and discontinuous, discrete, uniformly dispersed suitable fibres. Fibre reinforced concrete is of different types and properties with many advantages. Continuous meshes, woven fabrics and long wires or rods are not considered to be discrete fibres.It reduces the air voids and water voids the inherent porosity of gel in concrete and it increases the durability of the concrete. Fibres such as graphite and glass have excellent resistance to creep, while the same is not true for most resins. Therefore, the orientation and volume of fibres have a significant influence on the creep performance of rebars/tendons. Reinforced concrete itself is a composite material, where the reinforcement acts as

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

FACULTY TECHNICAL ARTICLES

the strengthening fibre and the concrete as the matrix. It is therefore imperative that the behavior under thermal stresses for the two materials be similar so that the differential deformations of concrete and the reinforcement are minimized. Various types of fibres which can be used to produce concrete like steel fiber, polypropylene fiber, GFRC glass fiber, asbestos fibres, carbon fibres, organic fibres etc.Its properties would obviously, depends upon the efficient transfer of stress between matrix and the fibres. Factors affecting properties of fibre reinforced concrete includes relative fibre matrix stiffness, volume of fibres, aspect ratio of fibres, orientation of fibres, workability and compaction of concrete, size of aggregates and mixing. In this research work cement was replaced by AR glass fibre in different percentages0%, 0.5%, 1.0%, 1.5%, 2.0%, 2.5% and 3.0% and the various mechanical and durability properties of concrete were determined. Super plasticizer was used to maintain the workability of concrete. The effects on different properties of concrete with AR glass fibre were evaluated in this study. The workability of concrete was found to be decreased with increase in the percentage of AR glass fibre but sufficient workability was achieved by the use of super plasticizers in concrete. The compressive strength of concrete containing AR glass fibre increases with the increasing amount of glass fibre up to 2% after that it started to decreases for both w/c ratio 0.40 as well as for 0.50. The flexural strength of concrete containing AR glass fibre continuously increases with increase in the percentage of glass fibre up to 2% after that it started to decreases for both w/c ratios. Most of the properties of modified concrete were very comparable to reference concrete. This modified concretecan be used in situation which requires light weight concrete as well as for high strength concrete.

Department of
MECHANICAL & CIVIL ENGINEERING

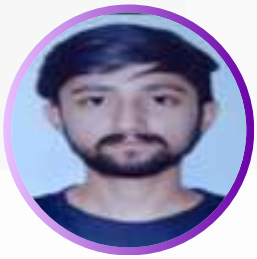
FACULTY ACHIEVEMENTS

Certificates			
S.No	**Name**	**Title**	**Name of Association, Ref. No.**
1	Ms. Tanisha Punjabi	5 Days FDP AI & ML Apllication in Industries	RTU, Ref. No. Anand-ICE/2023-24/000657 Date: 15-04-24 to 19-04-24
2	Mr. Sourbh Jhanwar	5 Days FDP AI & ML Apllication in Industries	RTU, Ref. No. Anand-ICE/2023-24/000657 Date: 15-04-24 to 19-04-24
3	Anil Kumar Yadav	5 Days FDP AI & ML Apllication in Industries	RTU, Ref. No. Anand-ICE/2023-24/000657 Date: 15-04-24 to 19-04-24
4	Mr. Tara Chand Prajapati	FPD Advancements in Construction Engineering & Structural Design	RTU, Date: 08-13 March 2024.
5	Mr. Tara Chand Prajapati	Soft Skill Development	IIT Kharagpur NPTEL, MoE, Gov of India Roll no.- NPTEL24HS101S137201007

DEPARTMENT OF
MECHANICAL & CIVIL ENGINEERING

TOPPERS LIST

Tapish Khandelwal
8.85 CGPA
Rank-1
ME 2020-24
Alwar, Rajasthan



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Phalodi, Jodhpur

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Shri Ganganagar, Rajasthan

Vikash Saini
8.75 CGPA
Rank-3
CE 2020-24
Jaipur, Rajasthan

DEPARTMENT OF
APPLIED SCIENCE

Mr. Ravinder Maan
HEAD OF DEPARTMENT

The Department of Applied Science offers core courses in Mathematics, Physics, Chemistry, Communicative English and Human values and professional ethics to B. Tech 1st year students. The department has well equipped laboratories to impart practical training to the students in the field of Physics, Chemistry, Basics of Computers and Computer graphics. Two separate Communicative English labs are set up with well equipped Software. The purpose of the Communicative English lab is to enhance the communication skills of students as well as preparing them for future perspectives.

DEPARTMENT OF
APPLIED SCIENCE

STUDENT TECHNICAL ARTICLES

“First Taste of College Freedom”

The Highs of College Life

When I started my college journey, everything seemed to go perfectly. I was living the life I had always imagined. At 18, I was experiencing everything you’d expect—newfound freedom, exciting opportunities, and the thrill of making my own choices. I made lots of friends, learned how to interact with people (including some big personalities), and even ventured into uncharted territory: confidently talking to girls!

One of my proudest moments was participating in a hackathon. Although my team didn’t win, the experience was priceless. During our presentation, the room erupted into applause—something that rarely happened for other teams. That moment felt like a victory in itself.

I also joined the fresher’s party, where I got to celebrate and bond with my batchmates. Everything was going smoothly—too smoothly. But every story needs a twist, and mine came in the form of a villain. Surprisingly, that villain was none other than myself.

DEPARTMENT OF
APPLIED SCIENCE

STUDENT TECHNICAL ARTICLES

"First Taste of College Freedom"

The Downfall

As the praise and recognition started rolling in, I let it get to my head. Overconfidence became my downfall. Slowly, I began to lose the very things I cherished—my friendships, leadership skills, self-confidence, and even my health. Looking back, I realize that the overwhelming praise had made me complacent, blinding me to areas where I still needed to grow.

Reality vs. Expectation

Before stepping into college, we all have a vision shaped by movies—an idyllic life of endless fun and freedom. But the reality is quite different. College life comes with its own set of challenges, responsibilities, and lessons.

One thing I've realized is that while freedom is exciting, it's not what we imagine. True freedom isn't about doing whatever you want; it's about making the right choices and learning from the wrong ones. Just like the flight safety instructions that tell you to put on your oxygen mask before helping others, it's crucial to take care of yourself first. If you don't pay attention to your own growth, well-being, and happiness, you can't give your best to others. Prioritizing yourself doesn't mean being selfish—it means ensuring you're strong enough to support others when needed. Only when you focus on your own journey and goals can you create a life that inspires others.

A Magical Phase of Life

College life, particularly from ages 18 to 22, is a magical phase. It's the only time when you can meet so many people from diverse backgrounds, exchange ideas, and grow together. It's a time to make mistakes, learn from them, and create unforgettable memories.

So, my advice to every first-year student is this: **Make as many friends as you can, embrace every opportunity, and don't let failures define you.** Write your own story, but make it one you'll be proud to look back on. And above all, remember to enjoy the ride—because college life truly is one of the best chapters of our lives.

~ **Anmol Rathor**
CSE, 1st Year

DEPARTMENT OF
APPLIED SCIENCE

STUDENT TECHNICAL ARTICLES

“Poem-The Pulse of Progress”

In the realm of circuits and binary codes,
Technology lights up the darkest roads.
From steam engines to AI’s embrace,
Innovation drives the human race.

A canvas of screens, a world online,
Connecting hearts through a digital spine.
With every click and every key,
A universe of knowledge, boundless and free.

Machines may rise, and codes may thrive,
But it’s through guidance that dreams come alive.
Mr. Ravindra maan sir, with wisdom so bright,
You guide us through this technological flight.

So here we stand, with gratitude deep,
For the lessons you sow and the paths you keep.
Technology grows, but hearts remain

~ **Avika Jain**
CSE, 1st Year

DEPARTMENT OF
APPLIED SCIENCE

ORIENTATION-2024


SPORTS DAY


VISIT TO WTP MALL


VISIT TO HAWAMAHAL


VISIT TO HAWAMAHAL


VISIT TO HAWAMAHAL

BEYOND
BOUNDARIES



"VISIT TO JAWAHAR CIRCLE""


"VISIT TO PINJARA GAUSHALA "


"PATRIKA BOOK FAIR VISIT "

GLIMPSE OF
CAMPUS

CONVOCATION 2024

CONVOCATION 2024

NATIONAL POLLUTION CONTROL DAY

KRISHNA JANMASHTAMI CELEBRATION

GLIMPSE OF
CAMPUS



"BASANT PANCHAMI CELEBRATION"



"GANESH CHATURTHI PUJA"



"VISHWAKARMA PUJA"

GLIMPSE OF
CAMPUS

"WORLD ENVIRONMENTAL HEALTH DAY"

"HOLI CELEBRATION"

"GARBA NIGHT"

"DIWALI MILAN"

GLIMPSE OF
EVENT


KAVVALI SESSION


GAMES


HONOR CEO


GLIMPSE OF FLASH LIGHTS


CELEBRATION

GAMES

"TEACHERS DAY CELEBRATION"

GLIMPSE OF
EVENT

"HR CONCLAVE 2.0"

"HR CONCLAVE 2.0"

"HR CONCLAVE 2.0"

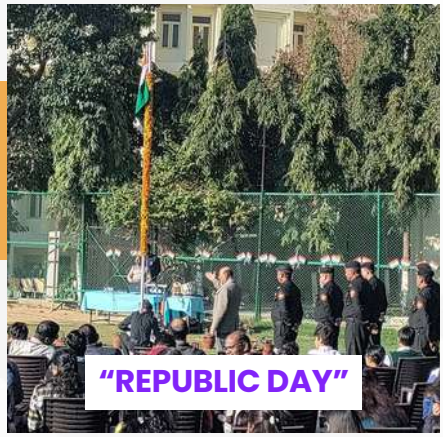
"SMART INDIA HACKATHON"

"SMART INDIA HACKATHON"

GLIMPSE OF
EVENT


"LOHRI CELEBRATION"


"LOHRI CELEBRATION"


"REPUBLIC DAY"


"REPUBLIC DAY"


"VANQUISH 2024"

Samanvaya 2k24 - Fresher's Party

Sayonara 2k24 - Farewell Party

GLIMPSE OF
SPORTS

"VANQUISH 2024-INTER COLLEGE SPORTS TOURNAMENT"

STUDENTS
ACHIEVEMENTS

Rajasthan Technical University, Kota, **Inter-College Sports Tournament 2024-25** at PCE, Jaipur.
On 28th September 2024
1st Runner up in **American Football.**

STUDENTS
ACHIEVEMENTS

National competition, "**Technovate for India**" initiative by "**The Times of India**".
On 11th January 2024
1st Runner up in **prestigious Indeathon.**

STUDENTS
ACHIEVEMENTS

Super Model by **Hindu Spiritual** and **Service Foundation** and **Abhivyakti 2024.**
On 01 October 2024.
First Position at the highly competitive Science Model Exhibition.

STUDENTS
ACHIEVEMENTS

24-Hour Web -A-Thon at the **Malaviya Institute Of Technology's SPHINX'24.**
On 16th November 2024.
Won a cash prize of **INR 15,000.**

PARVAH'25 - Annual Techno-Cultural & Sports Fest, Held at **SKIT, Jaipur.**
On 16th to 22nd February 2024.
First Position in UI Designing.

TRAINING & PLACEMENT CELL

Mr. Arsad Nadeem
T&P Officer

At GIT, we guide our students to become a professional that carries moral and ethical values to make society a better place to live. We train our students to become a problem solver and a logical thinker.

T&P Cell makes continuous efforts to inculcate corporate culture & competitiveness as required in the global market. Hence this cell plays a vital role in grooming students in the latest technologies of the corporate world. The objective of the cell is to conduct placement activities by liaisoning with the corporate world. Consistent efforts over the last few years from this cell have led to very high-quality placement records. We constantly strive to give students maximum opportunities for campus placements and get them good salary packages.

We are growing under the top management leadership of Honorary Chairman Shri Raj Kumar Kandoi and CEO Mr. Naman Kandoi who gives full support to T&P cell and its activities. Our efforts and support to our students bring glory to the institute by placing themselves in reputed industries and well-known companies.

TRAINING & PLACEMENT CELL

ABOUT T&P CELL

T&P cell is a department that helps our student to become industry ready so that they can face the real world and excel in their career. We play vital role to train students in professional skills that build their confidence while appearing for campus placements. We work round the clock with full enthusiasm to connect with corporate world to find out latest skills required by the companies. GIT, Jaipur is well equipped with all in-house facilities to carry out industry specific trainings and to conduct campus placement drives. T&P cell have many training partners and vendors to run skill development courses and having plenty of corporate tie ups that cater the need for student's career building. We train our students to develop interpersonal skills, management skills, logical skills under the guidance of industry professional, Alumni and eminent faculty members of GIT Jaipur.

CAREER GUIDANCE & PLACEMENT CELL

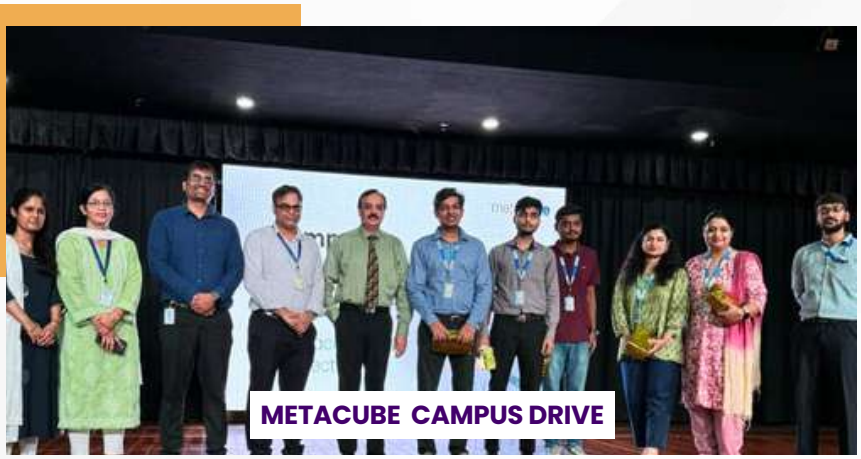
TRAINING & PLACEMENT CELL

TOP RECRUITERS

APPCINO	ALTIMETRIK	BYJU'S The Learning App	bigstep	HEXAWARE
akeo	auto pe	Biz Group	BOSCH	HCL
ATCS	Auriga	Brisk minds	AIRLINQ	IBM
Capgemini	Cynfexa	DianApps	consultadd	INFO OBJECTS
coditas	d2o	CELEBAL	decurtis	INTIME TEC
fexle	GETRAISE	FLIPSHOPE	FiftyFive	Infosys
GeekyAnts	epam	dukaan	Habilelabs	KDK
jaro education	KeyKloud	metacube	MTX	MULTIQOS

TRAINING & PLACEMENT CELL

Placement Drives



METACUBE CAMPUS DRIVE

OLLOSOFT DRIVE

INTE-QT DRIVE

DATANSH DRIVE

MTX PLACEMENT DRIVE

ALUMNI
TESTIMONIALS

My time at GIT was memorable, with supportive faculty, solid infrastructure, and a hostel life of unforgettable chaos. The placement team's persistence and encouragement shaped my career. GIT's practical, research-oriented learning prepared me well. I'm grateful for the opportunities and experiences I had here. All in all, I genuinely appreciate my time at GIT.

PULKIT AGRAWAL ~

My journey at GIT Jaipur was truly transformative. With exceptional infrastructure, experienced faculty, and well-equipped labs, I had the ideal environment for academic and professional growth. Faculty guidance refined my skills, while hands-on learning strengthened my expertise. I'm grateful for the opportunities GIT provided, including a great placement, and proud to be an alumnus of this esteemed institution.

NEERAJ DHAKA ~

Every day of Engineering has fascinated me, excited me, and entrusted me with an endless opportunity that has helped me develop as an Engineer in life. GIT, Jaipur has selflessly helped and supported me to grab opportunities that came my way. I got placed in Wipro, HCL, and Skill Vertex. I am extremely thankful to the Training & Placement Cell for their efforts and constant support.

NIKITA AGRAWAL ~

I am grateful for my time at GIT Jaipur, where academics, hands-on learning, and faculty support shaped my growth. Serving as a Google Student Ambassador enhanced my leadership and industry exposure. The placement cell provided valuable opportunities, making my journey truly enriching. I am thankful for the experiences that helped shape my career.

AKHIL TEWARI ~

Engineering has fascinated me every day, offering endless opportunities for growth. GIT Jaipur provided top-notch infrastructure, expert faculty, well-equipped labs, and strong support to help me succeed. The Training & Placement Cell's programs enhanced my skills, leading to placements in Wipro, HCL, and Skill Vertex. I'm truly grateful for their efforts and support.

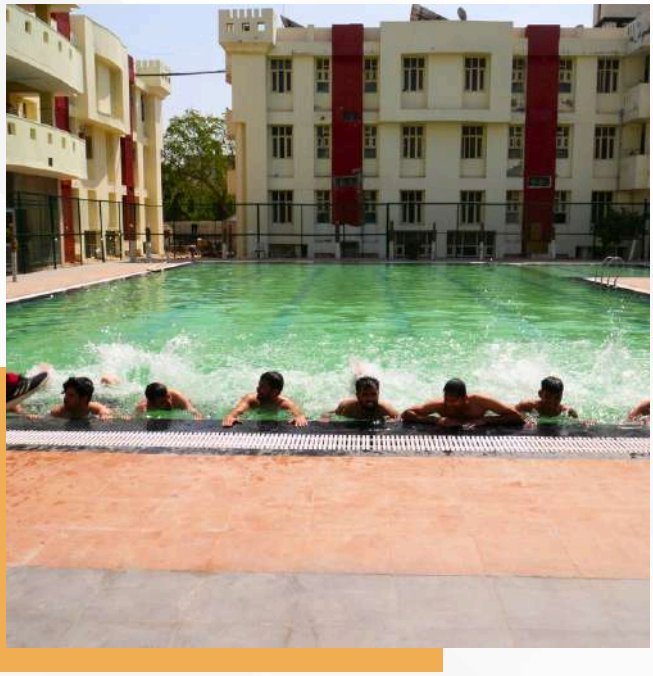
NISHANT KUMAR ~

GIT has been a pioneer in building my Cyber Security Career.The support and encouragement I received from Mr. Naman Kandoi Sir played an essential role to follow my passion. I will always be indebted to our Training and Placement Team for leaving no stone unturned for our placements in Reputable Organizations.

LAYEE JOSHI ~

GLOBAL INSTITUTE OF TECHNOLOGY, JAIPUR

SPORTS FACILITY



GLOBAL INSTITUTE OF TECHNOLOGY, JAIPUR

SPORTS FACILITY

GLOBAL INSTITUTE OF TECHNOLOGY, JAIPUR

SPORTS FACILITY

GLOBAL INSTITUTE OF TECHNOLOGY, JAIPUR

NEWS & MEDIA

इंटरनेशनल कॉन्फ्रेंस में 62 रिसर्च पेपर पेश

जयपुर | सीतापुरा स्थित ग्लोबल इंस्टीट्यूट आफ टेक्नोलॉजी में कंप्यूटर साइंस डिपार्टमेंट की तरफ से दो दिवसीय डाटा साइंस पर इंटरनेशनल कॉन्फ्रेंस का आयोजन किया गया। कॉन्फ्रेंस में देश-विदेश से 148 रिसर्च पेपर प्राप्त हुए, जिसमें से 62 रिसर्च पेपर प्रस्तुत किए गए, जिनको आईईईई जनरल में प्रकाशित किया जाएगा। मुख्य अतिथि पूर्व वाइस चांसलर प्रो. प्रवीण चंद त्रिवेदी रहे। इस मौके पर संस्थान के अध्यक्ष राजकुमार कंदोई, प्रिंसिपल डॉ. ईश्वर शर्मा, डॉ. प्रदीप झा, अमित कुमार, डॉ. रीमा आदि उपस्थित रहे।

पत्रिका

ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में आयोजन

हैकाथॉन में जुटी देशभर की टीमें

जयपुर @ पत्रिका प्लस. सीतापुरा स्थित ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में फिएस्टा 3.0 हैकाथॉन का आयोजन किया गया। मुख्य अतिथि आइएएस वी. सरवन कुमार ने दीप प्रज्वलित कर हैकाथॉन का शुभारंभ किया।

संस्थान के अध्यक्ष राजकुमार कंदोई ने मुख्य अतिथि का स्वागत किया। हैकाथॉन में देशभर से आइआइटी, एनआइटी और अन्य इंजीनियरिंग कॉलेज से 213 टीमों ने भाग लिया। हैकाथॉन में स्टूडेंट को 12 कैटेगरी में सॉफ्टवेयर और एप्लीकेशन बनाने के लिए 24 घंटे का समय दिया गया। इसमें जीआइटीएस उदयपुर की टीम ने प्रथम स्थान प्राप्त किया। जीआइटी जयपुर कॉलेज की टीम उपविजेता रही। सिल्वर ओक यूनिवर्सिटी अहमदाबाद की टीम ने तीसरा स्थान प्राप्त किया। संस्थान के सीईओ नमन कंदोई ने बताया कि हैकाथॉन के समापन पर अध्यक्ष राजकुमार ने टॉप 13 टीमों को नकद पुरस्कार प्रदान किए।

पत्रिका

हैकाथॉन फिनाले

माइनिंग इंडस्ट्री के लिए बनाया सॉफ्टवेयर, जीता फर्स्ट प्राइज

जयपुर@पत्रिका प्लस. ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी के स्टूडेंट की टीम अल्फा क्लेशर्स ने स्मार्ट इंडिया हैकाथॉन ग्रैंड फिनाले में पहला स्थान पाया है। एसआईएच-23 का ग्रैंड फिनाले भारत सरकार की ओर से आ.टी.स. यूनिवर्सिटी, भोपाल में आयोजित किया गया था। जीआईटी टीम के अभिलाष जोशी, कुशाल गुप्ता, अवधी सिंघल, खुशबू शर्मा और टीम लीडर गवेश जैन ने बताया कि उनकी टीम ने माइनिंग इंडस्ट्री व प्रॉब्लम को सॉल्व करने वाल सॉफ्टवेयर डवलप किया है इसके लिए सॉफ्टवेयर कैटेगरी उन्हें प्रथम पुरस्कार दिया गया।

फ्रेशर पार्टी 'समन्वय' में एक्सपर्ट ने स्टूडेंट्स को नई टेक्नोलॉजी से जुड़े रहने की दी सलाह

सिटी रिपोर्टर | सीतापुरा जयपुर स्थित ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में इस बैच के स्टूडेंट्स के लिए फ्रेशर पार्टी 'समन्वय' का आयोजन किया गया। इस मौके पर मुख्य अतिथि आरटीयू कोटा के वीसी प्रो. एस.के. सिंह थे। उन्होंने स्टूडेंट्स को संबोधित करते हुए आरटीयू कोटा में चलाए जा रहे कोर्सेस के बारे में बताया। स्टूडेंट को हमेशा नई टेक्नोलॉजी से जुड़े रहने के लिए प्रेरित किया। स्टूडेंट्स ने प्रस्तुतियां दीं। मिस्टर फ्रेशर और मिस फ्रेशर-2023 के खिताब दिए गए।

जयपुर @ पत्रिका प्लस. ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में सेलेबल टेक्नोलॉजी प्रा. लिमिटेड व एडुरेका लर्निंग सेंटर के संयुक्त तत्वावधान में फैकल्टी डवलपमेंट प्रोग्राम शुरू हुआ। 28 जनवरी तक चलने वाले प्रोग्राम में शिक्षण कौशल, मशीन लर्निंग विषय पर प्रशिक्षण दिया जा रहा है। इसमें विभिन्न कॉलेजों से 67 फैकल्टी भाग ले रही हैं। कॉलेज प्राचार्य डॉ. ईश्वर चंद शर्मा ने शिक्षा प्रणाली के विकास के लिए फैकल्टी डवलपमेंट प्रोग्राम को जरूरी बताया। कंप्यूटर साइंस हेड प्रदीप झा ने स्पीकर व फैकल्टी का स्वागत किया। वक्ता डॉ. नितेश प्रधान ने कक्षा में सीखने-सिखाने की प्रक्रिया, डाटा साइंस के अध्ययन को सुधारने के लिए प्रेरित किया। कॉलेज के सीईओ नमन कंदोई, कार्यकारी निदेशक मनोज महला, प्रवीण शर्मा मौजूद रहे।

पत्रिका

इंटर कॉलेज खेल प्रतियोगिता का समापन

विजेता टीमों को ट्रॉफी प्रदान कर किया सम्मानित

जयपुर @ पत्रिका प्लस. सीतापुरा स्थित ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में आयोजित तीन दिवसीय इंटर कॉलेज खेल प्रतियोगिता का समापन हुआ।

इसमें विभिन्न कॉलेजों से 63 टीमों ने क्रिकेट, फुटबॉल, बैडमिंटन, वॉलीबॉल समेत 11 प्रतियोगिताओं में हिस्सा लिया। प्रतियोगिता का उद्घाटन कॉलेज के सीईओ नमन कंदोई ने किया। उन्होंने कहा खेलों के माध्यम से स्टूडेंट्स को न केवल शारीरिक स्वास्थ्य में सुधार करने का अवसर मिलता है, बल्कि यह मानसिक विकास के लिए भी लाभकारी है। बैडमिंटन के फाइनल मुकाबले में जीआइटी ने गोल्ड मेडल जीता। समापन समारोह जीआइटी के खेल विभाग की ओर से आयोजित किया गया, जिसमें विजेता टीमों को ट्रॉफी और कैश प्राइज प्रदान कर सम्मानित किया गया। कॉलेज के खेल निदेशक अमित कुमार ने कहा कि यह प्रतियोगिता छात्रों के बीच सामूहिकता और परिश्रम को बढ़ावा देने का एक बेहतरीन अवसर थी।

शिक्षक दिवस मनाया, टीचर्स व स्टाफ का किया सम्मा

जयपुर | सीतापुरा जयपुर स्थित ग्लोबल इंस्टीट्यूट आफ टेक्नोलॉजी में फ ईयर स्टूडेंट के इंडक्शन प्रोग्राम-23 के तहत शिक्षक दिवस मनाया गया। इ अवसर पर संस्थान के अध्यक्ष राजकुमार कंदोई ने सभी शिक्षकों का सम्म किया। एक छात्र के जीवन में शिक्षक की महत्वता पर प्रकाश डालते उन्होंने कहा की शिक्षक ही संपूर्ण समाज का निर्माण करता है। इस अवस पर प्रिंसिपल आई सी शर्मा, प्रवीण शर्मा और मनोज महला उपस्थित रहे।

जयपुर | सीतापुरा स्थित ग्लोबल इंस्टीट्यूट ऑफ टेक्नोलॉजी में पास आउट बैच के लिए फेयरवेल पार्टी का आयोजन किया गया। प्रोग्राम के दौरान थर्ड ईयर स्टूडेंट ने रंगारंग कार्यक्रम प्रस्तुत किया।

मुख्य अतिथि जीआईटी के चेयरमैन राज कुमार कंदोई रहे। इस अवसर पर स्टूडेंट को उनके व्यक्तित्व के हिसाब से टाइटल दिए गए। कार्यक्रम के दौरान प्रिंसिपल डॉ. ईश्वर शर्मा, प्रवीण शर्मा, डॉ. डॉक्टर प्रदीप झा, डॉ. रविंद्र मान, घनश्याम मिश्र आदि मौजूद रहे।

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