

M.I.T Insights...

NEWS LETTER

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DR SAQUIB SHAKIL
PRINCIPAL

MIT-Radiating an exquisite spectrum of eminence and excellence with an admirable legacy of more than two decades in the field of technology MIT is engaged in defining and constructing the present aspiring for a better and brighten future. We are gratified that we have been capable of contributing to the students .In the present academic scenario beset with exceptional and distinct challenges and exigencies the institutions functions act as a catalyst in carrying out a prodigious ensemble, accommodating and acknowledging the individual distinctiveness and caliber .

I bestow God's abundant blessing on every student ,parents and family members who is, was and will be a part of MIT.

EVENTS AND PROGRAMME

PLANTATION DAY



On 5th June 2023. Our college successfully completed the event of tree plantation under the guidance of principal and the register in our campus. As we all know, the whole world is facing the problem of global warming and to recover from such problem planting the tree is one of the most important expect today.



Our principles Sir encourage students to plant more trees and take care of their plantation there after. Both the teachers and students planted a variety of trees in the college campus, that's how we celebrate our plantation day.

FAREWELL

There is a tradition in every college that the junior student gives a farewell to the senior most and outgoing students. This year MIT organized a farewell party on 20th of August 2023 in conference hall in college for 19th batch. The farewell party was organized by third year student under the supervision of college faculties members. The student of second and third year decorated the conference hall beautifully.



The culture of program started within welcome speeches by honourable principal and registrar Sir respectively. The students perform songs, dance and recitation. Thereafter fourth year student will awarded moment the program come to an end with the honourable director heart with speech reflecting on the students journey and inspiring them to strive for excellence.

M.I.T

SWATCH PAKHWARA

There is a saying, "Cleanliness is a stepping stone to success." On 1st October, 2023 our college launched "Swachhta Abhiyan". In this Abhiyan the Principal, the Register sir and all the facilities along with all the students took active participation in our college campus.



At first our principal sir gave an enticing speech on it. Then he, the Register and the students started cleaning the garbage with brooms and hands around the college campus with great enthusiasm. Thereafter the garbage were thrown into a big dustbin. At last all took pledge, "Clean India, Green India."

BLOOD DONATION CAMP



Blood donation blood donation camp. On 1st December 2023, a blood donation camp was organized in our college campus. The program was arranged by concerned people and the medical team before the program started a notice was sent to the student groups about all about the camp all the students were very excited to donate blood. The principal faculty member, including all the student donated their blood happily if feel proud of such kind of a good deed by helping the poor people.

FACULTIES MESSAGE



PRIYANSHU SHEKHAR ,HoD
Department of Electronics & Communication Engineering

AI, a diverse field in computer science, aims to create intelligent machines performing human-like tasks. Deep learning and machine learning advancements, especially in areas like autonomous vehicles and generative AI (e.g., Google's Bard, ChatGPT), are transforming the IT sector. As AI integrates into daily life, industries worldwide are heavily investing in its development.



MD OBAIDUR RAHMAN
HoD, Dept. of Mechanical Engineering

ADDITIVE MANUFACTURING

Additive Manufacturing, or 3D Printing, constructs 3D objects by adding material layer by layer based on a digital file. This transformative technology revolutionizes how mechanical engineers design and produce components. Using CAD software, a model is created in Standard Triangular Language format, then sent to a 3D Printing Machine, which interprets the data and forms precise geometry through layered plastic.



MD AJAZ ALAM
(HoD, Department of Electrical Engineering)

The surge in drone usage extends beyond entertainment to diverse industries, notably engineering and construction. A survey spanning seven sectors reveals drones enhance worker safety on construction sites by 55%. Electrical experts utilize drones for safe inspection of hazardous zones, ensuring increased safety in the electrical engineering sector. Drones also contribute to data recording, collection, and analysis, elevating efficiency at job sites.



Mrs. SAYEMA SADAF
HoD, Department of Computer Science & Engineering

The Internet of Things (IoT) - a promising technology trend and the future, describes IoT involves objects with sensors and actuators connecting to computing systems, forming a vast network. Predicted to reach 50 billion devices by 2030, IoT enhances safety, efficiency, and decision-making for businesses. To engage in this trend, one must grasp information security, AI, machine learning, networking, hardware interfacing, data analytics, automation, embedded systems, and device design.



AAMIR RAHEEM
HoD, CIVIL ENGINEERING

Eco-Friendly Building Material : Green Concrete

Green concrete, an eco-friendly building material, incorporates recycled materials like fly ash and slag, reducing the environmental impact of traditional concrete. It offers enhanced durability, workability, reduced permeability, and lower heat of hydration. Choosing green concrete promotes environmental sustainability, cost-effectiveness, waste reduction, and increased durability, making it a preferable option for construction.



MD TANZIL ALAM
CIVIL ENGINEERING

Civil engineering is crucial amid global challenges like high energy consumption, sea level estimation, soil erosion, water quality, traffic congestion, and infrastructure resilience. Civil engineers play a key role in devising solutions. The field often involves complex numerical models, making computer-aided design and simulation technology vital for addressing diverse challenges through data analysis and experimentation.



RAJIV KUMAR

Mechanical Engineering

3D Printing and Additive Manufacturing

Additive manufacturing, or 3D printing, fabricates physical objects from digital models by adding materials layer by layer. Widely adopted globally, it finds applications in agriculture, healthcare, automotive, and locomotives, facilitating mass customization and open-source design manufacturing. The market is rapidly expanding, with projections exceeding \$50 billion by 2028, driven by its versatile applications.



MITHUN BISWAS

The Art of Digital Communication: Navigating the Ever-Changing Landscape of Marketing

In the digital age, effective digital communication is essential for businesses to stand out and engage their audience. With the constant evolution of digital marketing channels like social media, email, websites, and apps, staying innovative is crucial. Navigating the dynamic landscape is imperative for businesses aiming to remain relevant, connect meaningfully, and achieve tangible results.

Our Student's Message

A data warehouse is a secure electronic repository where businesses store and organize historical data for analysis, aiming to gain valuable insights into their operations. Focused on specific subjects like suppliers, products, and customers, data warehousing involves compiling and organizing data into a common database. This process supports organizations in making informed, data-driven decisions by facilitating analysis and modeling of the stored data.



MUSKAN

Civil Engineering

THE ROLE OF CIVIL ENGINEERS IN INTERIOR DESIGN STRUCTURAL INTEGRITY

Initial Assessment: Civil engineers review the building's structural capacity, ensuring it can accommodate proposed interior changes.

Structural Modifications: They provide structural analysis and design to maintain stability during alterations.

Load-Bearing Considerations: Engineers strategically place load-bearing elements to support building loads and design features.

EFFICIENT SPACE UTILIZATION

Collaborative Space Planning: Engineers optimize space for aesthetics and functionality. **Structural Efficiency:** Space layouts maximize square footage while adhering to safety and load requirements.

Accessibility: They ensure spaces are accessible to all, complying with regulations.

PROPER VENTILATION AND LIGHTING

Ventilation Systems: Civil engineers design systems for air quality without compromising aesthetics.

Lighting Design: They create electrical systems to support various fixtures and optimal placement.

Natural Light: Engineers and designers strategically use natural light for aesthetics and energy efficiency.



RAVINDRA KUMAR YADAV

Mechanical Engineering

FRICITION STIR WELDING

Friction stir welding (FSW) involves a non-consumable rotating tool with a specialized probe, generating heat through friction to plasticize material between joined sheets or plates. Initially designed for aluminum alloys, FSW's applications expanded to aerospace, automotive, and more. It's eco-friendly, energy-efficient, offers high mechanical properties, and enables welding of dissimilar metals

NAME:- SYEDA SHAMIMUN NISHA

Branch:- CSE, 3rd year



ALOK

Civil Engineering

EMERGING TECHNOLOGIES REVOLUTIONIZING CONSTRUCTION 3DPRINTING ROBOTICS AUTOMATION

Speed : Rapid creation of structures and components. **Cost-Efficiency :** Reduces waste and labor costs.

Design Freedom : Enables complex and customized architectural elements.

Sustainability- Supports eco- friendly materials.

Automated Tasks: Handles risky or labor-intensive jobs.

Safety: Enhances construction site safety.

Precision: Ensures high-quality construction.

Remote Operation: Operates in challenging locations.

Project Management: Streamlines scheduling and resource allocation.

Drones : Conducts survey sand progress monitoring.

Pre-fabrication: Reduces on-site assembly time.

Material Handling: Enhances logistics and lowers labor costs.

Challenges include initial costs, training, and job displacement. These technologies are making construction faster, cost- effective, and safer, reshaping the industry.

UPCOMING EVENTS

SPORTS WEEK

QUIZ CONTEST

ACADEMIC ACHIVEMENT AWARD

ALUMNI MEET