IIMT
COLLEGE OF ENGINEERING
Greater Noida
— Aim For Excellence —

MECHATROMA

Department of Mechanical Engineering











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Workshop

Industry Visit

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Minor Activity

VOLUME XXI, ISSUE I

NEWSLETTER

Jan-Mar 2026

From Chief Editor's Desk



Dr. Nitin Kumar Waghmare

HOD, Mechanical Engineering

Dear Readers,

I am delighted to welcome you to the latest edition of our quarterly newsletter. This publication is a testament to our collective achievements, ongoing projects, and the vibrant spirit that drives our department forward. We strive to bring you the most relevant and inspiring stories each quarter, highlighting our team's incredible work and dedication.

During the last quarter (April-June 2025), the department has made significant contributions in various domains such as teaching and research, product development, sponsored projects,outreach activities and students' achievements. I am sure this issue will give a glimpse of the above.

Great things are often the culmination of a series of small, seemingly insignificant actions brought together with purpose and dedication. It is the accumulation of these small efforts that ultimately leads to extraordinary achievements. Each tiny step forward, each decision made with care, and each challenge overcome contributes to a larger tapestry of success.

The power of small actions lies not in their individual magnitude but in their collective impact. Like the threads of a rope, each strand may be weak on its own, but when woven together, they form an unbreakable bond. Similarly, the small things we do each day—whether it's learning a new skill, helping someone in need, or pushing through a difficult task—may seem minor in isolation. However, when combined over time, they become the foundation upon which great things are built.

Embracing this mindset allows us to approach challenges with a sense of hope and resilience. It reminds us that every small victory is a step closer to achieving our dreams. So, let us celebrate the small wins, for they are the building blocks of greatness. By focusing on the journey, one small step at a time, we can create something truly remarkable.

Thank you and best wishes

Dr. Nitin Kumar Waghmare
Chief Editor & HOD
Dept. of Mechanical Engineering

The only way to
do great work is to
love what you do
~ Steve Jobs

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NEWSLETTER
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ALUMNI CONNECT

OBJECTIVE:

It will be a brainstorming session which will help students to connect and interact with the alumni. Alumni connect will help students to get motivation and guidance from their alumni. This program will also give opportunities to shape carriers, job opportunities, startups and the setup business.

BRIEF WRITE UP ON THE PROGRAMME/ EVENT:

The guest speaker and Alumni Mr. Altamash Ali, is a Design and Quality Assurance Engineer at Excel Rapidtech. visited our college on 18th February 2026 to interact with students and gave his valuable presentation on the topic Career in Mechanical Designing and Quality Assurance. He explained the importance of the present time need of industry especially in MEP and OEM , what skill set required for industry and how to inculcate those skills to get a good job. He explained very well the key focus area of basic engineering and management skills required for a designing and manufacturing industry. Students interacted and asked many questions about opportunity in various other fields. Mr. Altamash also elaborated the opportunity in various related companies where students can apply in India and overseas. He explained how an engineer to start his consulting firms as an entrepreneur.







WORKSHOP ON
INDUSTRIAL AUTOMATION IN INDIA
ORGANIZED UNDER: ISHRAE INDIA CHAPTER

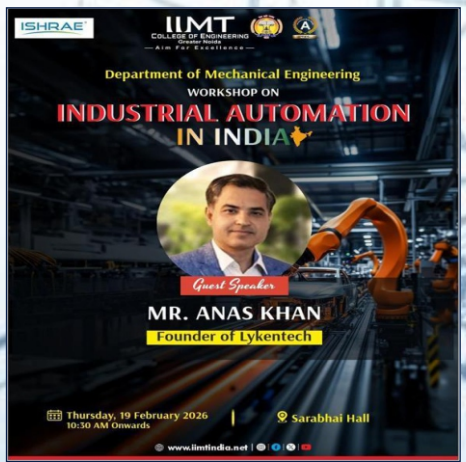
Department of Mechanical Engineering has successfully conducted a workshop on "Industrial Automation in India" on 19th February 2026 under ISHRAE India Chapter of IIMT in Sarabhai Hall, IIMT College of Engineering, Greater Noida.

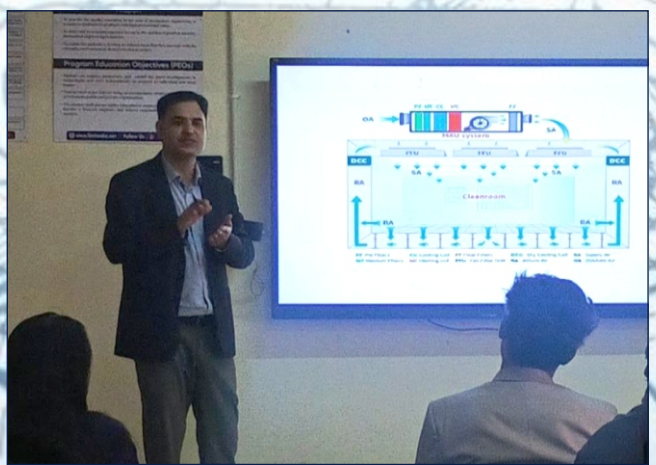
OBJECTIVE:

Empower industry professionals with knowledge and insights on latest trends, technologies, and best practices in industrial automation, enabling them to enhance productivity, efficiency, and competitiveness in the Indian manufacturing sector.

ABOUT THE EVENT:

IIMT College of Engineering's Department of Mechanical Engineering hosted a workshop on 'Industrial Automation in India' on 19 February 2026, under ISHRAE India Chapter, at Sarabhai Hall. The chief guest speaker of this event was Mr. Anas Khan. He is the Founder of Lykentech, a Building Automation company, and brings over 20 years of rich experience in HVAC and Building Management Systems (BMS). He holds a Master's degree in Thermal Engineering and has previously worked with reputed organizations such as Voltas Limited, Blue Star Limited and Honeywell Automation India Limited. He is an authorized partner of Schneider Electric for Building Automation Systems. His project, "Drip Irrigation Automation System at ITPG, Gurgaon," was recognized as the Most Innovative Project by CapitaLand in 2023. His core expertise lies in energy optimization through advanced BMS solutions. He has successfully delivered projects across healthcare, hospitality, clean rooms, industrial facilities, and commercial buildings. Additionally, he serves as a BMS auditor for reputed clients such as HCL Technologies. Faculties namely Dr. Satyaveer Singh, Dr. Nitin Kumar Waghmare (HOD-ME), Dr. Love Kumar, Mr. Krishan Kumar Karotiya and Mr. Manoj Kumar were present during the workshop.







INDUSTRIAL VISIT AT
TRUESTAR AIR SYSTEMS EQUIPMENTS PVT. LTD.
ORGANIZED UNDER: ISHRAE INDIA CHAPTER

The Mechanical Engineering Department of IIMT College of Engineering organized an industrial visit to Truestar Air Systems Equipments Pvt. Ltd., located in Greater Noida. The primary aim of this visit was to provide students with practical exposure to industrial processes and enhance their understanding of real-world engineering applications.

OBJECTIVE:

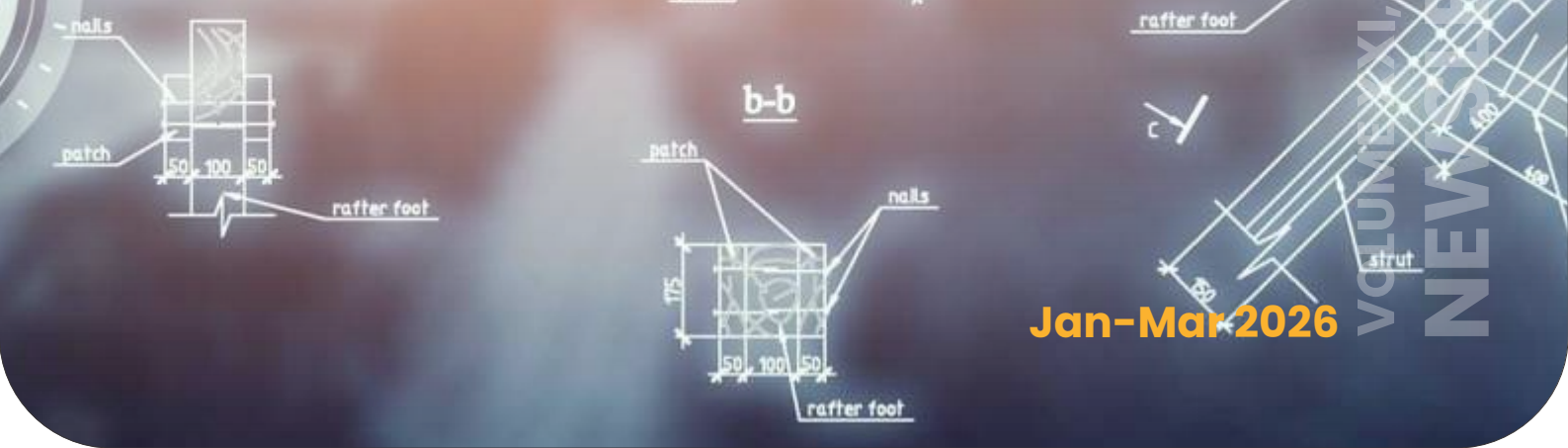
The main objective of the industrial visit was to bridge the gap between theoretical knowledge and practical industrial exposure.

ABOUT THE EVENT:

The Department of Mechanical Engineering of IIMT College of Engineering successfully organized an industrial visit to Truestar Air Systems Equipments Pvt. Ltd., Greater Noida on 24th February 2026. The visit was conducted under the esteemed guidance of Dr. Satyaveer Singh, who motivated and supervised the students throughout the program.The industry visit provided students with a valuable opportunity to observe the practical implementation of concepts studied in classrooms. The company specializes in air system equipment manufacturing, offering students exposure to HVAC-related systems, fabrication processes, quality control techniques, and safety standards. Following Activities Conducted During the Visit:

- Introduction session by company officials about the organization, its history, and product line.
- Demonstration of manufacturing processes and plant layout.
- Explanation of machinery and equipment used in fabrication and assembly.
- Interaction session with engineers and technical staff.
- Discussion on quality control, safety measures, and industrial standards.

The department sincerely thanks the management and staff of Truestar Air Systems Equipments Pvt. Ltd. for their cooperation and support. Special gratitude is extended to Dr. Satyaveer Singh for organizing and guiding the students throughout the visit.



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ISHRAE
IIMT
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IIMT
IEEE STUDENT BRANCH
Department of Mechanical Engineering
is organizing
INDUSTRIAL VISIT
For Mechanical Engineering Students
to
TRUESTAR
TRUESTAR AIR SYSTEMS
EQUIPMENTS PVT. LTD.
Ecotech-1 Kasna
Tuesday, 24th Feb. 2026 | 10 AM Onwards
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GPS Map Camera


TRUESTAR

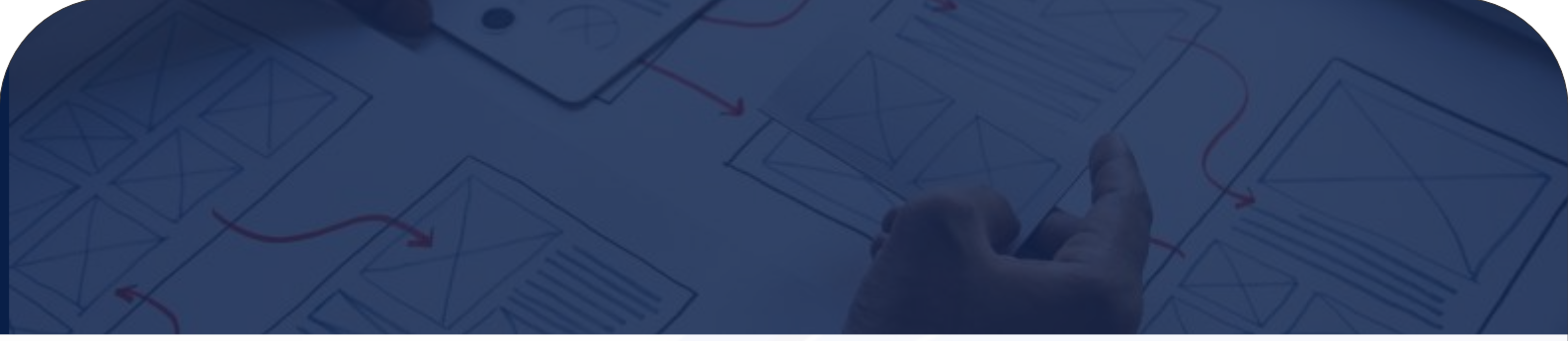





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GUEST LECTURE ON

FRUGAL INNOVATION FOR SUSTAINABLE ENTREPRENEURSHIP

The Department of Mechanical Engineering organized a guest lecture on "Frugal Innovation for Sustainable Entrepreneurship" for the students to enhance their understanding of innovative problem-solving and sustainable development practices.

OBJECTIVE:

The objective of the lecture was to introduce students to the concept of frugal innovation and its role in developing cost-effective, resource-efficient, and sustainable engineering solutions.

ABOUT THE EVENT:

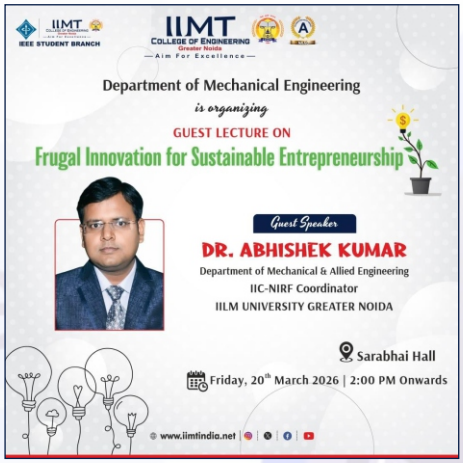
The guest lecture was conducted on 20.03.2026in Sarabhai Hall, IIMT College of Engineering. The session was delivered by Dr. Abhishek Kumar, IIC-NIRF Coordinator, IILM University, an expert in the field of innovation and entrepreneurship.

During the session, the speaker explained the concept of frugal innovation, commonly known as "doing more with less", emphasizing the importance of creativity, resource optimization, and affordability in engineering design. Real-life examples of frugal innovations were shared to demonstrate how simple yet effective solutions can address real-world challenges, especially in developing regions.

The lecture highlighted the importance of sustainable entrepreneurship, encouraging students to develop innovative ideas that not only solve technical problems but also contribute to environmental conservation and social well-being. The speaker discussed how engineers can play a key role in developing low-cost technologies, recycling methods, and energy-efficient systems.

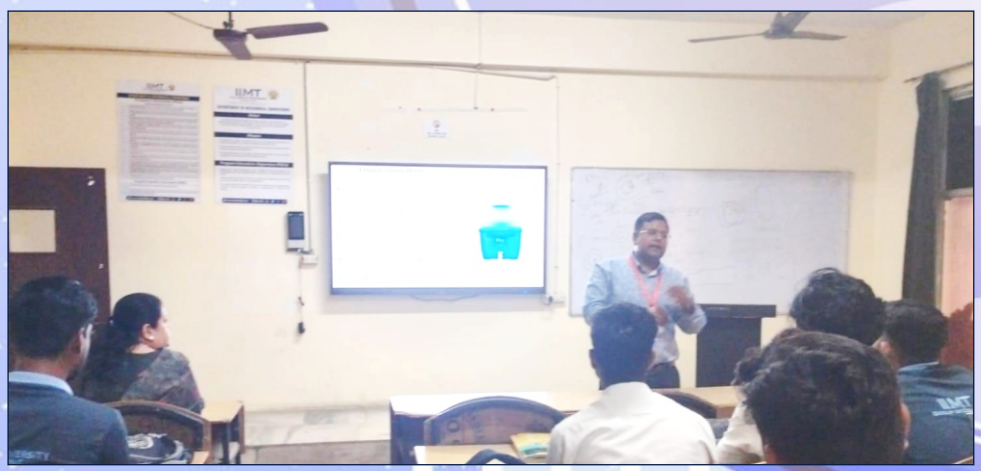
Students actively participated in the session and showed keen interest in the topic. The interactive discussion allowed students to ask questions related to innovation strategies, startup opportunities, and sustainable product development. The lecture also inspired students to think creatively and adopt an entrepreneurial mindset.

Overall, the guest lecture was highly informative and beneficial for Mechanical Engineering students. It provided valuable insights into the role of frugal innovation in sustainable entrepreneurship and motivated students to explore innovative solutions for real-world engineering problems.









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MINOR ACTIVITY ON

IDEA DISCUSSION ON ELECTRICAL VEHICLES

ORGANIZED UNDER: MECHANICAL DEPARTMENT MINOR ACTIVITY

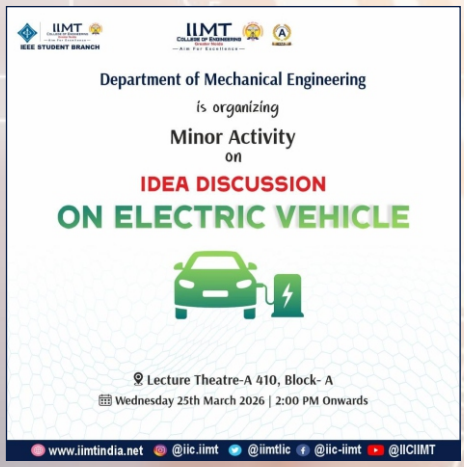
The Department of Mechanical Engineering, IIMT College of Engineering, Greater Noida, organized a minor activity on "Idea discussion on electrical vehicles" on March 25, 2026, at room number 410 .

OBJECTIVE:

To provide a platform for students to share knowledge and experiences on the latest trends and technologies in electrical vehicles . The event aimed to bridge the gap between current development of electrical vehicles and personality development of students.

ABOUT THE EVENT:

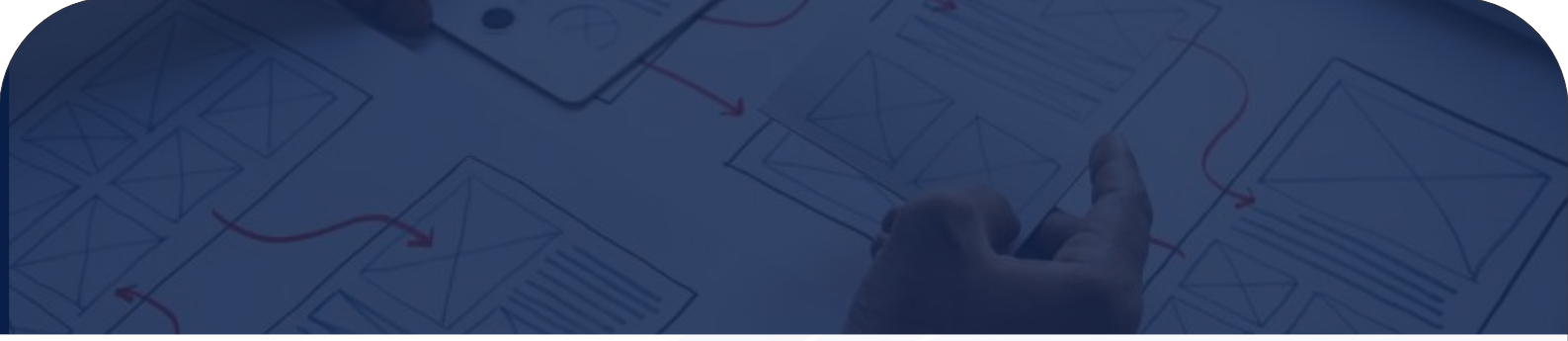
The Mechanical Engineering Department idea discussion successfully organized a minor activity on "Idea discussion on electrical vehicles " on March 25, 2026, at room number 410 .The event witnessed a remarkable idea of students, their presentation skill as panel in the discussion chiller water, fire pumps, HVAC, and ventilation controls. He also emphasized the importance of energy-saving solutions and field devices in enhancing plant room efficiency.











GUEST LECTURE ON

DESIGN OF AUTOMOTIVE COMPONENT: DOOR TRIM USING NX CAD SOFTWARE

The Department of Mechanical Engineering organized a Guest Lecture on "Design of Automotive Component: Door Trim using NX CAD Software" on 27 March 2026 for the Mechanical Engineering students.

OBJECTIVE:

The objective of the lecture was to provide students with practical exposure to automotive component design and to enhance their understanding of industry-oriented CAD tools.

ABOUT THE EVENT:

The session was delivered by an expert Mr Nitin Chauhan, Design Engineer, Sekisui DljmMolding Pvt ltd., Greater Noida from the automotive design industry, who shared valuable insights into the design and development process of automotive interior components, particularly the door trim panel. The speaker explained the importance of door trim components in vehicle aesthetics, passenger comfort, and safety.

During the lecture, the resource person introduced the NX CAD software environment and demonstrated the step-by-step procedure for designing a door trim component.

The session covered important aspects such as:

- Introduction to automotive interior components
- Overview of Door Trim structure and functions
- Basic design considerations and material selection
- Creation of sketches and surface modeling techniques
- Assembly features and design validation
- Industry standards and best practices followed in automotive design

A live demonstration was conducted to illustrate the modeling process of a door trim component using **NX CAD Software,** which helped students understand the real-time application of theoretical concepts. The students actively participated in the session and clarified their doubts during the interactive discussion









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INDUSTRIAL VISIT AT
KRN HVAC PRODUCT LTD, NEEMRANA, RAJASTHAN

THE PROGRAMME/ EVENT:

On 30 March 2026, the department of ME organised an industrial visit to KRN HVAC Products Ltd, Neemrana. Factory Tour: Students were taken on a guided tour of the manufacturing facility by the plant Incharge, Mr Bhagat Singh, during visits. Students observed various types of heat exchangers, radiators, evaporators, and condensers. Key processes included:

- **Material Handling:** Understanding how raw materials are sourced and managed.
- **Assembly Line Operations:** Observing the step-by-step assembly of the sheet-rolling machine and the forming of the coil plate. Including different types of machines, CNC Machines, and vertical milling machines
- **Testing and Quality Assurance:** Learning about the rigorous testing processes to ensure product reliability.

Post-tour, a written test and interview session were held with the HR & management team, and they offered jobs for about 8-10 students.

The visit to KRN HVAC Product Pvt. Ltd. was an enriching experience for all participants and students. It bridged the gap between theoretical learning and practical application, preparing students for future careers in manufacturing and electronics. We extend our gratitude to the Managing Director of KRN HVAC Product Pvt. Ltd. for their hospitality and for providing such an informative experience and placement offer. We would also like to thank **Prof. (Dr.) Chetan Khemraj (Director),** IIMT College of Engineering, Greater Noida, Head T & P and HOD-ME, Dr Nitin Kumar Waghmare, for supporting and organising this Industrial visit.

LEARNING OUTCOME:

- **Practical Knowledge:** Students gained firsthand experience of the manufacturing environment,
- which enhanced their theoretical knowledge.
- **Industry Insights:** The visit provided valuable insights into industry trends, technology
- integration, and operational efficiency.
- **Networking Opportunities:** Students interacted with professionals, which may aid in future
- internships or job placements.

FEEDBACK:

1. **Himanshu Pandey:** The visit was very insightful and well-organised. It provided a practical understanding of the manufacturing process.
2. **Pankaj Kumar:** The interactive session with the management team was particularly valuable. It clarified many concepts we learned in class.
3. **Aditya Srivastava:** The factory tour was fascinating. Seeing the assembly line in action helped us visualise theoretical knowledge. However, more detailed explanations during the tour would have been beneficial.
4. **Arun Yadav:** The Q&A session was excellent. The professionals were open to questions and shared their
5. **Md. Shibli:** Providing written materials about the company and its products was very helpful in understanding the company.









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