

The Chairman's Column...



Greetings to all of the esteemed students, supporters, and members of IETE. Presenting the December issue of the IETE Noida Newsletter is a privilege for me. Our Second edition, published last month, was a significant step in strengthening the relationship between our company and its readers by sharing news, accomplishments, and our shared future goals.

The dynamic character of IETE and its unwavering dedication to innovation, sustainability, and societal impact are once again demonstrated by this edition. This IETE Noida newsletter is now being released on a quarterly basis to provide detailed coverage of our activities, events, and achievements throughout the year.

We conducted a One Day Capsule Course on 'Solar Energy and Sustainability Immersion' as per IS 16221 (Part 2):2015, focusing on the growing need for clean and renewable energy. The programme provided participants with essential knowledge of solar energy systems, installation, maintenance, and safety standards. It also encouraged innovation and entrepreneurship in the renewable energy sector, promoting environmental responsibility and preparing professionals for a greener, sustainable future.

During the Executive Committee meeting on September 4, 2025, the team discussed the development of the IETE Noida website. In the following meeting held in November, the committee reviewed and confirmed that the website had been successfully completed and is now fully ready for launch in the coming month.

With Best Wishes

Prof. G P Singh
Chairman
IETE Noida Centre

Highlights of the Newsletter

IETE Noida EC Meeting

Solar Energy and Sustainability

Organise International Conference
At Noida International University

IILM Conference

Beneficial Cybersecurity Lecture by
Neelabh Rai

Initiatives by IETE Noida, Centre of Excellence (CoE)

New courses:

MS Office Skill Development: We are pleased to announce that MS Office classes will begin soon, helping participants build practical skills in Word, Excel, PowerPoint, and other essential tools for improved academic and professional efficiency.

AI with Python: We will soon begin an 'AI with Python' course that introduces Python programming and key AI concepts, helping learners develop practical, industry-ready skills.

Enhancement of Digital Presence:

Planned to enhance digital visibility through active engagement via LinkedIn, Instagram, Facebook, and Twitter.

Conference: A national conference on "**AI-driven Innovation for Industry**"

Silver Jubilee Year-2025 of IETE NOIDA Centre

We are pleased to inform you that IETE Noida Centre is celebrating its **Silver Jubilee Year-2025**. The centre was inaugurated in the year 2000, and since then, it has been dedicatedly serving the nation through various technical and social initiatives.



We request all members falling under the jurisdiction of the IETE Noida Centre to contribute by sharing their expertise and experience for the growth of the next generation of engineers.

EC Meeting

About: The Executive Committee meeting on September 4, 2025, discussed key initiatives such as the PM Professorship awareness program, social media outreach, and the launch of the official website. In addition to these discussions, members also emphasized the importance of solar energy and sustainability, highlighting the role of renewable energy in building a greener future. Members were encouraged to contribute actively to the Centre of Excellence and the Newsletter to promote awareness and innovation in sustainable technologies.



EC-Meeting held on 04-Sept-2025

Additionally, during the meeting held on November 29, 2025, the committee reviewed the progress of the official website and confirmed that it has been fully completed and is ready for launch. Members appreciated the efforts taken to make the website informative, user-friendly, and aligned with IETE's vision. The meeting also included detailed discussions on the upcoming celebration of IETE Noida's Silver Jubilee, with plans to organize special events, guest lectures, and member engagement activities. The committee emphasized that the Silver Jubilee would be an important milestone, strengthening its commitment to technological excellence and community development.



EC-Meeting held on 29-Nov-2025

1. **Social Media:** The Chairman updated the members that important information like latest courses with registration forms, activities conducted or to be conducted, and relevant latest news/updates are being regularly posted on IETE Noida Centresocial platforms.
2. **Website:** The IETE Noida Centre's official website has now been fully developed, reviewed, and finalized. All essential sections, features, and updates have been successfully integrated. Website is providing a centralized platform for information, announcements, and member engagement of Noida Centre.
3. **Contributions:** The Chairman requested EC members to contribute to the best of their ability for the growth of IETE Noida Centre of Excellence (CoE) and also to provide unique contents for the Newsletter of the Centre.
4. **Other Points:**
Solar Energy and Subtainability: Prof. (Dr.) Shailesh Mishra informed the members about the importance of a "One Day Capsule Course on Solar Energy and Sustainability Immersion as per IS 16221 (Part 2):2015" on 11-Oct-2025.

Solar Energy and Sustainability

Solar energy has become an essential part of our sustainable future—from powering homes and industries to driving innovation in clean technology—but have you ever thought about its importance? It reduces dependence on fossil fuels, cuts carbon emissions, and helps combat climate change. Solar power supports a greener planet by promoting renewable energy use and environmental conservation. As global temperatures rise and natural resources deplete, embracing solar energy is not just an option—it’s a responsibility we all share for a cleaner, more sustainable future.

India has enormous potential to lead the world in solar energy production, according a recent multinational study that was published in Nature. The nation can drastically cut carbon emissions and its reliance on fossil fuels if there is an abundance of sunlight available all year around. The sluggish uptake of renewable technologies in some areas, however, emphasizes how urgently solar energy understanding and sustainable habits need to be promoted. We can guarantee future generations a more sustainable, energy-secure, and greener future by embracing renewable energy technologies and cooperating to effectively harness solar power.



Solar Energy held on 11-Oct-2025

Given the significance of this issue, IETE Noida arranged a One Day Capsule Course on Solar Energy and Sustainability Immersion as per IS 16221 (Part 2):2015 to raise awareness and give participants useful advice on how to properly handle solar energy.



Solar Energy held on 11-Oct-2025

Key Learning Objectives of the Course:

1. **Raise Awareness:** Investigate sustainable technologies that lower carbon emissions and encourage the use of clean energy for a more environmentally friendly future, while gaining a thorough grasp of solar energy systems, including their generation, storage, and use.
2. **Attain Quality Standards:** Learn how to create and deploy effective solar energy systems that meet IS 16221 (Part 2):2015 requirements, guaranteeing solar power generation's sustainability, safety, and dependability.
3. **Examine Impacting Factors:** Understand the key factors influencing the adoption and efficiency of solar energy systems across various sectors, particularly in electronics, consumer durables, and telecommunications, to promote sustainable energy solutions.
4. **Employ Best Practices:** To optimize performance and reduce environmental impact, use effective techniques for solar energy system installation, operation, and maintenance.
5. **Evaluate and Improve:** Examine current solar energy practices and determine how to improve system performance, sustainability, and efficiency.
6. **Support Sustainability:** Promote eco-friendly practices and actively contribute to increasing the adoption and efficient use of solar energy.

Along with imparting technical information, the course encouraged entrepreneurship by teaching participants about solar energy company prospects, including installation, maintenance, manufacturing, and consulting. Participants acquired the abilities required to launch sustainable businesses and create workable answers to environmental and energy problems.

IETE Noida emphasizes the value of sustainable practices and environmental responsibility through this project. It was a step in the direction of a safer, healthier, and cleaner environment. The goal of this course was to develop a new generation of leaders and innovators who care about the environment.

International Conference at Noida International University (NIU)



International Conference at NIU

Chairman Prof. GP Singh addressing the audience at the Noida Centre inaugural session of conference “**AI-driven Innovation for Industry 4.0 to Society 5.0**” on 15th Oct and 16th Oct.

A two-day international conference on “**AI-driven Innovation for Industry 4.0 to Society 5.0**” was recently held at **Noida International University** in collaboration with **Institution of Electronics and Telecommunication Engineers (IETE Noida Centre)** on **October 15 and 16**. The event's main goal was to convene top academics, researchers, scientists, and

business professionals to talk about the most recent developments, inventions, and uses of artificial intelligence (AI) technologies that are influencing the contemporary agricultural and social environment.



International Conference at NIU

An important part of the conference was played by Noida International University (NIU), a well-known hub for excellence in research and education. The university is renowned for its dedication to global cooperation, interdisciplinary learning, and academic innovation. Through research-driven instruction and mentoring, its esteemed faculty members—who have extensive backgrounds in both academia and industry—continue to motivate students and foster an atmosphere that values innovation, critical thinking, and technological advancement. The University thrives under the wise guidance of its distinguished dean,

Dignitaries at the dies on the release of proceedings at the end of conference.

Researchers and students presented their most recent work, shared creative ideas, and discussed interdisciplinary collaborations during the event's panel discussions and paper presentations. The significance of ethical AI, policy frameworks, and the necessity of ongoing skill development to satisfy future industry demands were all underlined at the conference.

In general, the conference was successful in fostering an atmosphere of professional networking and intellectual engagement, motivating attendees to help create a society that is smarter, more inclusive, and sustainable thanks to artificial intelligence.

IILM Conferences



Chairman and EC-Members in a discussion with faculty member of IILM University.

The Institution of Electronics and Telecommunication Engineers (IETE) Noida Centre recently participated in an academic conference hosted at **IILM University, Greater Noida**, focused on enhancing knowledge, industry exposure, and student engagement in emerging technologies. The conference brought together faculty members, students, and technical experts to discuss recent developments, share innovative ideas, and promote collaborative learning.

Key Objectives

The purpose of the conference was to create a platform where students could:

- Gain insights into the latest technology trends
- Interact with industry professionals
- Present their ideas and participate in academic discussions
- Explore opportunities for research and innovation

Conference Highlights

1. **Technical Sessions:**
Experts delivered insightful talks on modern engineering practices, digital transformation, AI-driven solutions, and sustainable technologies.
2. **Student Participation:**
Students from various departments actively contributed through paper presentations,

poster displays, and technology demonstrations.

3. **Skill Development Focus:**
Sessions were designed to develop critical thinking, innovation skills, and an understanding of the real-world applications of engineering concepts.
4. **Industry Interaction:**
The conference facilitated valuable interactions with professionals, helping students understand expectations from Industry 4.0 and upcoming career opportunities.

Benefits to Students and Institutions

- Enhanced academic exposure through expert lectures
- Opportunity to collaborate on research and innovative projects
- Improved presentation and communication skills
- Motivation to contribute to emerging fields like AI, IoT, and renewable energy
- Strengthened academic–industry connection



IILM Conference held on 18-Nov-2025

Conclusion

The IILM Conference served as a meaningful platform for learning, idea exchange, and professional growth. By encouraging participation from students and faculty, IETE Noida continues to support academic excellence and technological advancement. Events like these play a significant role in preparing students for future challenges and fostering a culture of innovation within educational institutions.

Beneficial Cybersecurity Lecture by Mr. Neelabh Rai

In today’s digital world, cyber frauds and online scams are increasing rapidly, especially targeting senior citizens and government retired persons. Since many essential services—banking, pension, healthcare, and bill payments—are now online, it is important to stay informed and protected from cyber threats.



Mr. Neelabh Rai, Cybersecurity expert delivered a lecture on cyber threats.

Why Senior Citizens Are Targeted

Cybercriminals often target elderly individuals because:

- They may not be familiar with new digital technologies
- They trust easily and respond to unknown calls or messages
- They use simple passwords or store them openly
- They rely on online banking, pension portals, and mobile apps

Common Types of Cyber Frauds

1. Fake Phone Calls (Vishing)

Fraudsters pretend to be from a bank, pension office, Aadhaar, or customer care and ask for:

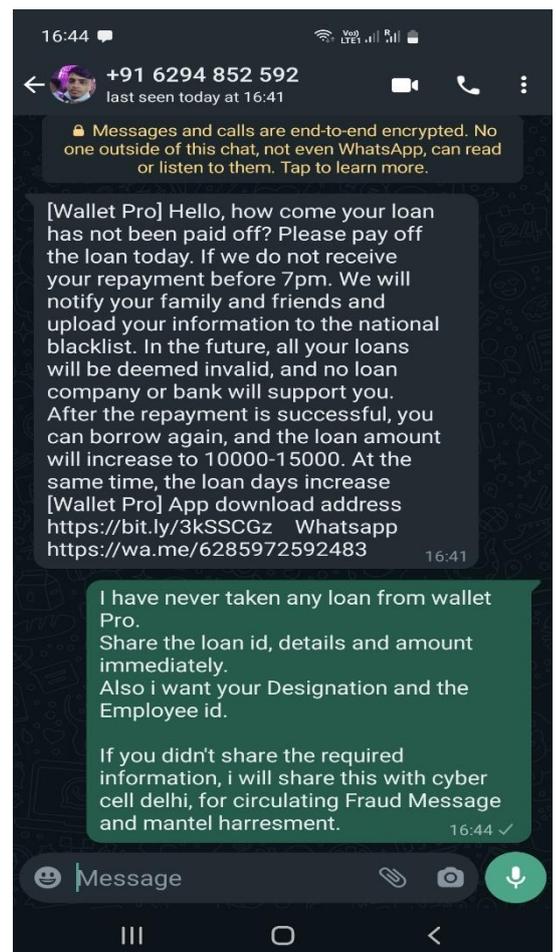
- OTP
- ATM PIN

- CVV
- Bank account details

2. Fake Messages & Links (Phishing)

You may receive SMS/WhatsApp messages saying:

- “Your ATM will be blocked. Click here.”
- “Update KYC immediately.”
- “Your pension account needs verification.”



Source: <https://consumercomplaintscourt.com/cyber-crime-fake-messages/>

3. Fraud Pension & Government Scheme Updates

Scammers pretend to help with:

- Pension verification
- PF withdrawals
- Government scheme enrolment
- PAN–Aadhaar update

4. Social Media Scams

Fraudsters create fake profiles of relatives or friends and ask for urgent money.

5. Fake Apps

Downloading apps from unknown links allows scammers to control your phone remotely.

How to Stay Safe

Never Share Personal Information

- OTP
- PIN
- Aadhaar number
- PAN
- Pension ID
- Debit/Credit Card details

Always Verify Phone Calls

If someone calls claiming to be from a bank or government office:

- Disconnect the call
- Call the official helpline directly

Avoid Clicking Unknown Links

Delete suspicious messages immediately.

Visit Only Official Websites

For services like pension, KYC, Aadhaar, or banking—use:

- cybercrime.gov.in websites
- Verified bank apps
- Contact this number:- **1930**

Use Strong Passwords

Use a mix of letters, numbers, and symbols. Do not use birthdates or simple passwords.

Keep Mobile & Bank Apps Updated

Updates protect you from security loopholes.

Enable SMS Alerts

Bank alerts inform you instantly of any transaction.

Do Not Trust “Too Good to Be True” Offers

Nothing is free—fraudsters use offers to trap elderly users.



Cybersecurity Lecture held on 29-Nov-2025

Conclusion

Cyber security is essential for everyone, but it is especially important for senior citizens and retired government employees, as they increasingly depend on digital platforms for pension services, banking, healthcare, and everyday transactions. Cybercriminals often target elderly individuals by exploiting trust, limited technical knowledge, and urgency through fake calls, messages, and emails. By staying alert, verifying the authenticity of communications, and never sharing personal or financial details such as OTPs, PINs, or passwords, seniors can significantly reduce the risk of cyber fraud. Using strong passwords, enabling transaction alerts, regularly updating devices, and accessing only official websites and applications are simple yet effective safety measures. Awareness, timely reporting of suspicious activities, and guidance from family members or trusted officials can further help elderly individuals safeguard their savings, personal information, and peace of mind in the digital age.

IETE Noida Centre in Media

Friday, October 24, 2025 Recent posts Viral महिला पर अस्लीत इशारे के दोषी गिरफ्तार, बापलत वीडियो



उद्योग निर्माण



देश राज्य - विश्व स्वास्थ्य व्यापार खेल नौकरी टेक्नोलॉजी मनोरंजन ताइकन्टार्ल

You are here Home देश Solar Energy आईटीई सेटर में सौर ऊर्जा पर प्रशिक्षण कार्यक्रम आयोजित

Solar Energy आईटीई सेटर में सौर ऊर्जा पर प्रशिक्षण कार्यक्रम आयोजित

Oct 18, 2025 Aam Khan



Recents Posts

Oct 23, 2025
Chhath puja: छठ पूजा के लिए घाट तैयार, प्रार्थिकरण ने किए व्यापक इंतजाम

Chhath puja: छठ पूजा के लिए घाट तैयार, प्रार्थिकरण ने किए व्यापक इंतजाम...
पढ़ें

Oct 31, 2025
NTPC एनटीपीसी दादरी में सामूहिक सुरक्षा पेंप टॉक का आयोजन

NTPC एनटीपीसी दादरी में सामूहिक सुरक्षा पेंप टॉक का आयोजन NTPC दादरी, 23 अक्टूबर 2025: एनटीपीसी...
पढ़ें

Oct 23, 2025
Viral महिला पर अस्लीत इशारे के दोषी गिरफ्तार, बापलत वीडियो ने उजागर किया अपराध

Viral नौटंदा में महिला पर अस्लीत इशारे के दोषी गिरफ्तार, बापलत वीडियो ने उजागर किया अपराध...
पढ़ें

Solar Energy आईईटीई सेंटर में सौर ऊर्जा पर प्रशिक्षण कार्यक्रम आयोजित

नोएडा, 14 अक्टूबर 2025: इंस्टीट्यूशन ऑफ इलेक्ट्रॉनिक्स एंड टेलीकम्युनिकेशन इंजीनियर्स (आईईटीई) के सेक्टर 29, नोएडा स्थित "सेंटर ऑफ एक्सीलेंस" में शनिवार को सौर ऊर्जा Solar Energy पर एक प्रशिक्षण कार्यक्रम का आयोजन किया गया। कार्यक्रम का उद्घाटन सेंटर के चेयरमैन प्रो. जी.पी. सिंह ने किया, जबकि मुख्य वक्ता प्रो. डॉ. शैलेश मिश्रा थे। प्रो. सिंह ने अपने उद्घाटन भाषण में सौर ऊर्जा को भविष्य का महत्वपूर्ण ऊर्जा स्रोत बताते हुए इसके उपयोग को बढ़ावा देने की आवश्यकता पर बल दिया।

उन्होंने कहा कि सौर ऊर्जा स्वच्छ और ऊर्जा सुरक्षा की दिशा में एक महत्वपूर्ण कदम है। डॉ. शैलेश मिश्रा ने भारत की ऊर्जा स्थिति पर चर्चा करते हुए बताया कि देश में 74% बिजली कोयले से उत्पन्न होती है, जो पर्यावरण के लिए हानिकारक है। उन्होंने सौर ऊर्जा को स्वच्छ और अक्षय ऊर्जा स्रोत के रूप में प्रोत्साहित किया। ब्रिगेडियर वी.के. पांडे ने आईईटीई के उद्देश्यों पर प्रकाश डालते हुए कहा कि ऐसे प्रशिक्षण कार्यक्रमों का उद्देश्य छात्रों और आम नागरिकों को लाभान्वित करना है।

डॉ. शिव कुमार ने सौर ऊर्जा के उपयोग से पर्यावरण संरक्षण और बिजली आपूर्ति की दिशा में इसके योगदान पर जोर दिया। कर्नल एच.के. त्रिवेदी ने सौर ऊर्जा परियोजनाओं में भारतीय मानकों के पालन की आवश्यकता बताई, ताकि सुरक्षित और कुशल सोलर सिस्टम विकसित किए जा सकें। कर्नल पी.के. शर्मा ने सौर ऊर्जा के लाभों को रेखांकित करते हुए इसे स्थायी ऊर्जा स्रोत बताकर इसके उपयोग को बढ़ावा देने का आह्वान किया।



Solar Energy

कार्यक्रम में शामिल प्रतिभागियों ने सौर ऊर्जा के क्षेत्र में नई जानकारी हासिल की और इस दिशा में योगदान देने के लिए प्रेरित हुए। आईईटीई नोएडा सेंटर ने सभी वक्ताओं, अतिथियों और प्रतिभागियों का आभार व्यक्त करते हुए भविष्य में भी ऐसे आयोजनों की प्रतिबद्धता दोहराई।

Source: <https://udhyognirman.com/training-on-solar-energy-at-iete-centre/>



Solar Energy

News from ISRO:

Analysis of Chandrayaan-3 Lander Plasma

Data: Analysis of data collected by the Chandrayaan-3 Vikram lander between **August 23 and September 03, 2023** has provided groundbreaking insights into the plasma environment near the Moon's south polar surface. The study revealed that the electrical environment in this region is far more active and dynamic than previously believed. Using the **RAMBHA-LP (Langmuir Probe)** instrument, scientists obtained the **first-ever in-situ measurements** of lunar plasma at very low altitudes. The observations showed significantly higher electron densities and energies near the landing site, named **Shiv Shakti Point**, compared to earlier estimates based on remote sensing techniques. The findings also highlight how the Moon's plasma environment changes depending on solar wind interactions and the Moon's passage through Earth's magnetic tail. These results provide crucial information for understanding the lunar surface environment and will support future lunar exploration missions.

Launch of Indigenous Microprocessor

DHRUV64: India with the introduction of the DHRUV64, a completely domestic microprocessor created by C-DAC under the Microprocessor Development Program, on December 16, 2025, India reached a significant turning point in its semiconductor history. For applications like 5G, automotive systems, industrial automation, and IoT, DHRUV64's modern architecture provides excellent efficiency, dependability, and seamless integration. This accomplishment positions India as a rising force in the global semiconductor ecosystem, bolstering its independence in chip design and supporting the Aatmanirbhar Bharat vision.

Successful Demonstration of Boot-Strap Mode Start of CE20 Cryogenic Engine:

ISRO successfully tested a new "boot-strap mode" start for the LVM3 rocket's CE20 cryogenic engine on November 7, 2025. This new method saves payload capacity by enabling the engine to start on its own, as opposed to the conventional method that requires additional start-up gas bottles. The test was carried out at the High-Altitude Test facility in Mahendragiri under vacuum. A special igniter was used to smoothly ignite the engine, and no external system was needed to start the turbopumps. It successfully achieved stable operation, demonstrating the efficacy of this approach. This accomplishment improves LVM3's capacity for future multi-orbit missions and several in-space restarts.

ISRO's Aditya-L1 India's First Solar Observatory Mission:

The successful operation of ISRO's Aditya-L1 mission at the Sun-Earth L1 point, India's first dedicated solar observatory mission, is a proud milestone for the country. Aditya-L1, which was launched to continuously study the Sun, is situated in a key area where the Earth's and Sun's gravitational pull is balanced, enabling continuous observation of solar activity. The images depict the spacecraft's voyage, ISRO scientists keeping an eye on operations, and the L1 point's scientific significance. This accomplishment makes India proud on the international scientific scene and demonstrates the country's increasing prowess in space science and technology. It also provides important data to comprehend solar behavior and its effects on Earth.

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