

Arihant



सपना

Newsletter 

A Touch of Excellence, Every Month

DECEMBER 2025



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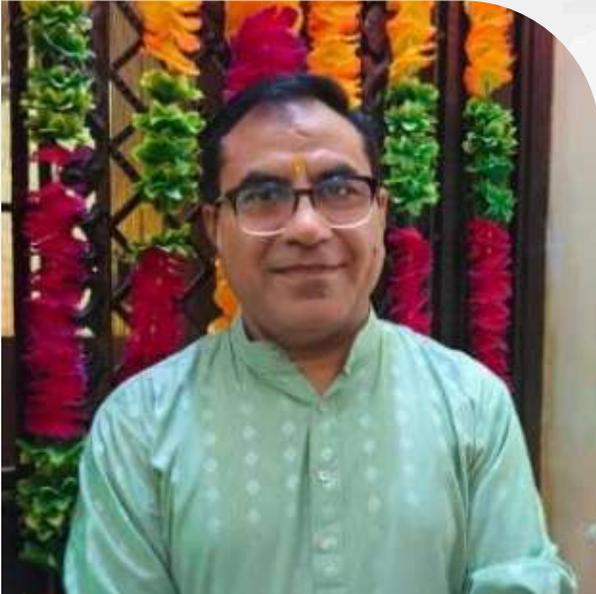
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Igniting Dreams Through Innovation and Inspiration



Arun Joshi

At the core of human progress stand three powerful elements: Innovation, Inspiration, and Ignition. These three form the foundation of advancement, urging us to push past limits and turn our vast dreams into reality. Innovation invites us to explore new ideas and thoughts, encouraging us to follow our intuition and create fresh opportunities. It fuels our imagination and gives us the drive to soar toward infinite possibilities. However, innovation alone is not enough; it must be paired with inspiration.

Inspiration is the spark that lights the fire of passion and determination, motivating us to reach for the stars. It also serves as a tool for self-realisation, helping us understand both what we can do and what we aim to achieve.

When we combine innovation with inspiration and look ahead to the endless possibilities, we become ready to ignite change. Ignition is the moment when ideas turn into action and dreams begin to take shape. The impossible transforms into “I’m possible,” and the ordinary becomes extraordinary.

As we move forward, daring to dream boldly and working hard to make those dreams come true, we must carry with us the spirit of exploration and creativity. Only then can we fully embrace the limitless dreams within each of us



Who says the sky is the limit, when there are footprints on the moon.



Featured Articles

Dive into this month's insightful articles, covering industry trends, innovations, and expert perspectives. Stay informed, stay inspired, and explore ideas that drive excellence at Arihant Electricals.

“

1. How to Achieve the Most in Life!

Everyone dreams of achieving the most in life, but the question is—how? Is it about wealth, fame, or recognition? Or is it about fulfilment, growth, and impact? The truth is, achieving the most in life is not about chasing everything—it's about focusing on what truly matters and living with purpose.

1. Set Clear Goals

- Define what “the most” means to you—success, happiness, contribution, or balance.
- Write down short-term and long-term goals.
- Goals act like a compass, guiding your energy in the right direction.

2. Keep Learning

- Knowledge is the fuel of achievement.
- Read widely, seek mentors, and embrace new skills.
- Lifelong learning ensures you stay relevant and adaptable in a changing world.

3. Build Discipline

- Talent opens doors, but discipline keeps them open.
- Create routines that support your goals, whether it's consistent study, fitness, or time management.
- Discipline transforms dreams into reality.



Mr. Rajdeep
(Sales)



4. Value Relationships

- Achievements feel empty without people to share them with.
- Invest in friendships, family, and professional networks.
- Collaboration and kindness often open doors that hard work alone cannot.

5. Stay Resilient

- Life will throw challenges, failures, and setbacks.
- Resilience means bouncing back stronger each time.
- Remember: every obstacle is a hidden opportunity to grow.

6. Balance Success with Well-Being

- True achievement is not just about reaching the top—it's about enjoying the climb.
- Prioritize health, peace of mind, and gratitude alongside ambition.
- Balance ensures that your success is sustainable and meaningful.

7. Final Thought

To achieve the most in life, you don't need to do everything—you need to do the right things. Define your goals, keep learning, stay disciplined, nurture relationships, and balance ambition with well-being. When you live with purpose and resilience, you achieve not only success but also significance.

So, the real question is not "How much can I achieve?" but "How meaningfully can I achieve it?"



“

2. Tether Drone System:

A tether drone system is a type of unmanned aerial vehicle (UAV) that is physically connected to a ground station by a tether, allowing for continuous power and stable data transmission, which enables extended or even indefinite flight times. Tethers can range in length from a few meters to a hundred meters or more. These systems are used for applications requiring persistent aerial presence, such as surveillance, public safety, security, and telecommunications, by providing uninterrupted power and high-bandwidth data links for enhanced situational awareness and operational capability



Components of Tethered Drones:

Tethered drones are comprised of several components that work together to keep the drone aloft and provide real-time data transmission. The following are some of the critical components of a tethered drone:





Tether: The tether is a cable that connects the drone to the ground. The tether provides power and data transfer capabilities to the drone.

Power supply: The power supply provides power to the drone through the tether. Tethered drones typically use electric power and require a constant power source to stay aloft.

Control station: The control station is the hub of the tethered drone system. It provides the operator with real-time data from the drone's sensors and allows them to control the drone's movements.

Sensor payload: The sensor payload is the equipment attached to the drone that collects data. This can include cameras, thermal imaging sensors, and other types of sensors depending on the drone's intended use.



Working:

Power and data: A cable connect the drone to a ground-based power source, providing continuous power and preventing the need for recharging. The tether also contains wires or optical fibres for high-bandwidth, secure data transmission.

Ground control: A ground control station manages power delivery, monitors the drone's status, and receives data. It can include a power supply unit, automated winch for the tether, and a communication interface.

Stable operation: The system allows for continuous, stable flight at a fixed altitude, acting like a virtual telescopic mast. This is ideal for applications that require a consistent and reliable vantage point.

Safety and security: The physical tether ensure the drone remains secure and can be retrieved even if it experiences a system failure.



Key features and benefits:

Extended flight time: The tether provides a constant power supply from the ground, eliminating the limitations of onboard batteries and allowing for flight durations that can last for hours or even indefinitely.

Enhanced payload capacity: By removing the need for heavy batteries, the drone can carry a larger payload of sensors, cameras, or other equipment.

Secure and stable data transmission: The tether can be equipped with fibre optic cables, providing high-bandwidth, secure data links that are resistant to radio interference and cyber threats.

Improved safety: The physical connection to the ground station can be a safety feature in high-risk scenarios, ensuring the drone remains in a controlled airspace and is less likely to be lost.

Common applications:

Surveillance and security: For monitoring large areas like borders, events, or critical infrastructure, such as airports and power plants.

Public safety: Assisting in search and rescue operations, monitoring high-crime areas, or providing overwatch during tactical operations.

Emergency response: Offering temporary lighting for accident sites or disaster areas, or providing an elevated vantage point for damage assessment.

Infrastructure inspection: Inspecting power lines, pipelines, and other infrastructure to identify leaks or structural issues.

Broadcasting: Providing a stable platform for broadcasting video during live events.

Conclusion:

Tethered drone systems have a wide range of applications and use cases across various industries. They can be used for aerial surveillance and monitoring, disaster response and recovery, industrial inspection and maintenance, public events and crowd control, agriculture and environmental monitoring, and military and defence applications. The continuous power supply and stable platform provided by the tether enable these systems to provide high-quality data and images, making them a valuable tool for a variety of applications.

HIGHLIGHTS FROM EVENTS AND CONFERENCES

1. Arihant Electricals at Brainstorming Session 2.0

Arihant Electricals proudly participated in Brainstorming Session 2.0, a high-level platform bringing together the Armed Forces and the Defence Industry to strengthen collaboration and accelerate India's defence indigenisation goals. Held on 14 November 2025 at the Manekshaw Centre, the session graced by the Hon'ble Raksha Mantri, CDS and Defence Secretary, focused on addressing operational challenges, improving Ease of Doing Business, and enhancing self-reliance. Key discussions in Session I revolved around indigenisation of ammunition, supply chain optimisation, and resolving key capability gaps, offering valuable insights for industry partners like us to align better with national defence priorities.





2. Arihant Electricals marked a strong presence at the “SAMAGAM” — DLJ Industry Synergy Meet 2025 organised by DRDO.

Our dedicated stall showcased our advanced electrical, defence-support, and indigenised technology solutions, drawing interest from DRDO leaders, industry experts, and key stakeholders.

This prestigious event inaugurated by senior DRDO dignitaries including Dr. R V Hara Prasad (DG NS&M), Sh. L C Mangal (DG TM), Dr. Mayank Dwivedi (DG HR & R & R&M), and Sh. Ghan Shyam Ojha highlighted crucial discussions on ToT, DcPP, procurement policies, TDF, and facilities available at DTTC, Lucknow.



Arihant Electricals was **honoured with a Technology Transfer (ToT) certificate** from DRDO–DLJ as part of the 08 technologies transferred to industry partners during the event.



PEOPLE & CULTURE

At Arihant Electricals, our people are our greatest strength. This month, we celebrated birthdays, welcomed new team members, and fostered a positive workplace culture. Through these moments, we continue to build a collaborative and engaging work environment where everyone thrives!

November Birthday Celebrations

Celebrating our incredible team members and wishing them joy, success and prosperity!



B'day of Mr. Mohit Kumar



B'day of Mr. Ujjawal Saini



B'day of Ms. Tanya Seth



Upcoming December Birthdays

Wishing you joy, success, and a fantastic year ahead!

Sanjay Sharma (Store)	December 5
Waseem Akram	December 6
Kuvar Vikram Singh Parmar	December 12
Kunal Shrivastava	December 15
Patel Pratikkumar Arvindbhai	December 17
Rajesh Kumar (R&D)	December 18
Pankaj Kumar	December 21
Dinesh Kumar	December 23
Tanushree Purohit	December 26



Welcome Aboard! (New Joinees - November 2025)

Excited to have new talents join the Arihant family as we grow together!



Sunil Sengar
CNC Operator



Deepak Srivastava
Testing Engineer



MOMENTS OF LAUGHTER & FUN

At Arihant Electricals, even our circuits have stories!

THE CASE OF THE SILENT MACHINE



One hectic afternoon, the testing lab panicked, a key unit wasn't responding. Everyone checked the firmware, sensors, cables... even blamed Monday.

After 20 minutes, a team member casually said,

"Umm... did anyone try switching it from Simulation Mode to Live Mode?"

A single click and the machine woke up instantly.

The room erupted with relieved laughter.

Since then, the lab's favourite reminder is:

"When in doubt, check the mode, before checking the horoscope!"

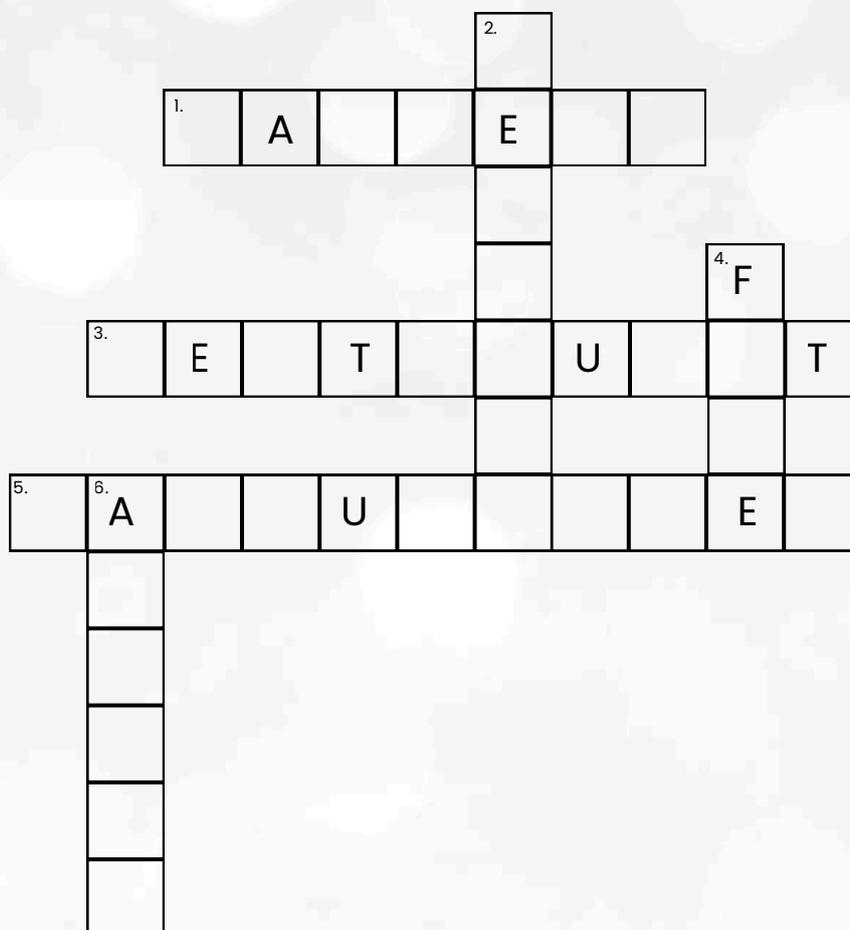


Arihant Electricals – Crossword Puzzle

Ready for a fun challenge? This month's edition brings you exciting activity, including a **Crossword Puzzle**, designed to test your knowledge about **Arihant Electricals**. Share your answers with the **HR Head**; the **first three winners** will be featured in our January magazine. Don't miss your chance to shine!

Across Clues

1. (7 Letters) Core element powering most electrical circuits.
5. (11 Letters) System that ensures uninterrupted power during failures.
3. (10 Letters) Tool used to check integrity and flow of electrical signals.



Down Clues

2. (7 Letters) Sector where Arihant contributes to secure, ruggedised, mission-ready solutions.
3. (6 Letters) The act of examining systems to identify faults or irregularities.
4. (5 Letters) A protective device that interrupts excessive current flow.

November Crossword Puzzle Winner Announcement

1



Ajit Singh - Pune

2



Ashutosh

3



Nishant Kumar R&C

Puzzle Answers from Our Last Edition

1.	A	2.	R	M	C	H	A	I	R										
			A																
3.	F	I	R	E	4.	D	E	T	E	C	T	O	R						
			L			E													
			W			S													6.
			A		5.	I	N	D	U	C	T	I	V						E
			Y			G													T
			S			N													E
																			R

Note: The winners were selected according to the quickest response time.



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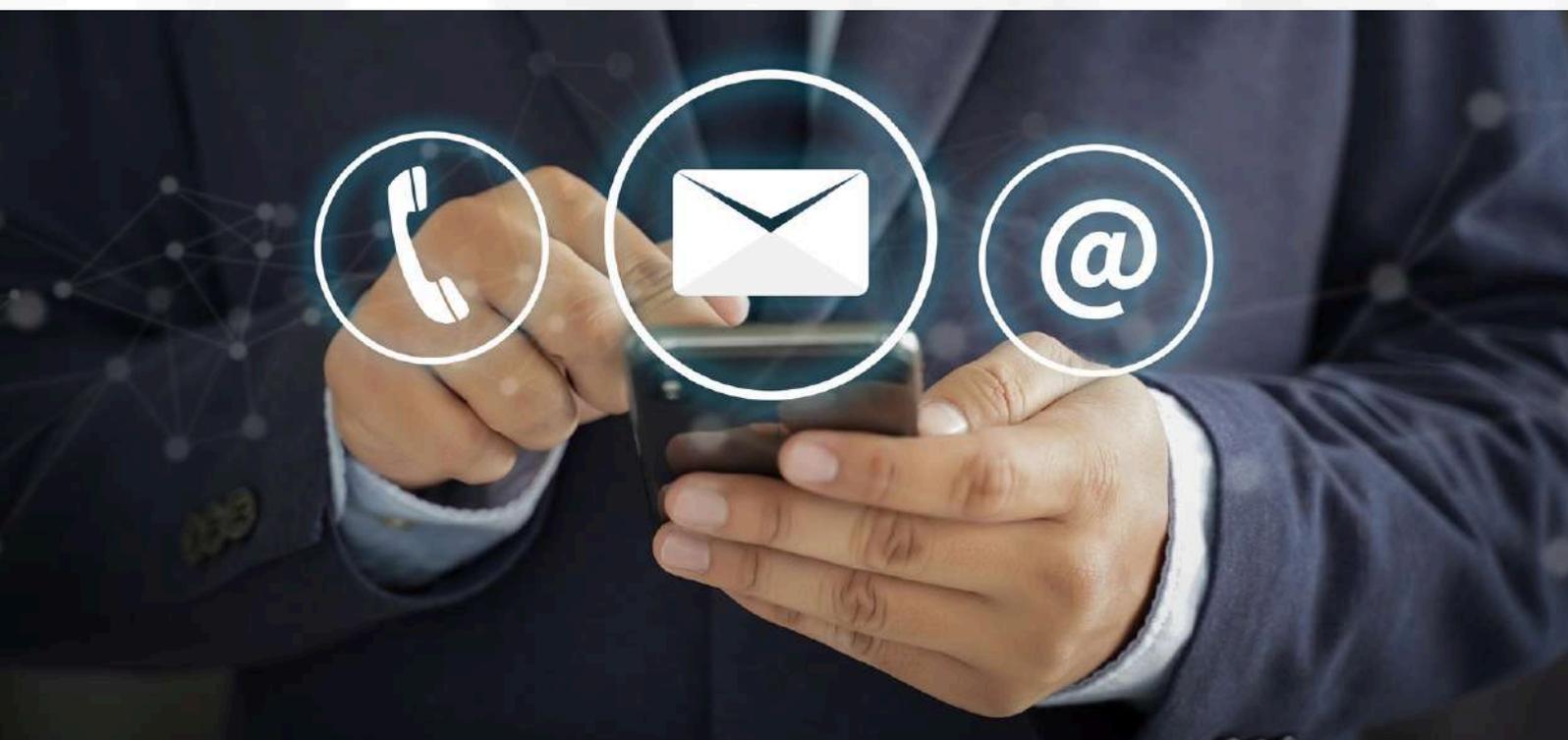
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We solicit your valuable suggestions and feedback to enhance this newsletter for future editions. You can share your thoughts and suggestions by writing to us at: hrd@arihantelectricals.com

