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Arihant स्पर्श Newsletter

A Touch of Excellence, Every Month

MARCH 2026

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MESSAGE OF THE MONTH

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Aligning Goals with Wisdom – Lessons from the Bhagavad Gita

In today's dynamic corporate environment, organisations and individuals constantly strive for growth and excellence. Achieving meaningful success requires clear goals, proper planning and disciplined action. These principles are beautifully explained in the timeless teachings of the Bhagavad Gita.

One of the most powerful messages of the Gita is the importance of focused action. Lord Krishna says:
"कर्मण्येवाधिकारस्ते मा फलेषु कदाचन।
मा कर्मफलहेतुर्भूर्मा ते संगोऽस्त्वकर्मणि॥"

This verse reminds us to focus on our duties rather than worrying about results. In the corporate world, dedication, responsibility and commitment to quality work naturally lead to success.

The Gita also emphasizes excellence in action:
"योग: कर्मसु कौशलम्"

This teaches that true professionalism lies in performing work with skill, efficiency and sincerity. Clear goals, structured planning and teamwork help organisations move steadily toward their vision.

Another important lesson is self-discipline and inner control:
"उद्धरेदात्मनाऽत्मानं नात्मानमवसादयेत्।"
This highlights that self-mastery and positive thinking are essential for overcoming challenges.

The wisdom of the Bhagavad Gita reminds us that when individuals and organisations combine clear goals, thoughtful planning, ethical conduct and dedicated action, they create a path toward sustainable success and lasting progress.

As we analyse the achievements of the current financial year and prepare goals for the upcoming FY, these timeless lessons of the Bhagavad Gita remind us to stay focused on right action, thoughtful planning and continuous improvement.

With warm regards,
HR Desk
Arihant Electrical

SPOTLIGHT OF THE MONTH

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. REDUCING PAPER PRINTING IN INDIAN MANUFACTURING COMPANIES: A COMPLIANCE-ORIENTED APPROACH

Mr. Arun Sharma
(Vice President Operation & Business Development)

Indian manufacturing companies, particularly in Purchase and Accounts, continue to rely heavily on paper-based documentation. While digital transformation is progressing, regulatory requirements often drive physical record-keeping. However, Indian laws already permit electronic records, enabling companies to reduce printing without compromising legal validity or audit readiness.

Legal & Compliance Framework

India's regulatory ecosystem supports digital documentation:

- **Companies Act, 2013–** Permits electronic records if accessible, secure, and retrievable.
- **Information Technology Act, 2000–** Recognizes electronic records and digital signatures as legally valid.
- **Central Goods and Services Tax Act, 2017–** Enables e-invoicing and digital return storage.
- **Income Tax Act, 1961–** Allows electronic maintenance of books, subject to retrievability during assessments.
- Government procurement guidelines emphasize e-procurement and transparency to reduce paper dependency.

High Paper Usage Areas & Digital Alternatives

- **Purchase Orders** → ERP-generated e-POs and e-procurement portals
- **Invoices** → GST-compliant e-invoices with digital signatures
- **Payment Vouchers** → Workflow-based ERP approvals
- **Contracts** → Digitally signed agreements
- **Audit Files** → Secure, timestamped digital archive

Practical Strategies

- Implement ERP-integrated e-procurement systems.
- Adopt e-invoicing and legally valid digital signatures.
- Automate accounts payable/receivable workflows.
- Deploy secure Document Management Systems (DMS).
- Use a hybrid model only where physical copies are legally mandated.

Key Considerations

Digital records must be tamper-proof, retrievable and secure. Strong cybersecurity controls, vendor onboarding, and employee training are essential. Legal compliance requires proper digital signature usage and structured audit trails.

Conclusion

Reducing paper printing in Indian manufacturing is not just an environmental move, it is a compliance-driven efficiency upgrade. With legal backing under the IT Act, GST framework, and Companies Act, organizations can transition to a digital-first, audit-ready, and paper-light finance function while strengthening operational agility.

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2. INDUSTRY 5.0: INTEGRATING HUMAN INTELLIGENCE WITH SMART MANUFACTURING

Mr. Rajdeep
(Marketing)

After a decade of Industry 4.0 driven by automation, connectivity, and data exchange, the next transformation phase, Industry 5.0, is emerging. It introduces a human-centric, sustainable, and resilient manufacturing ecosystem where humans and intelligent machines collaborate to achieve higher precision, flexibility, and innovation. Industry 5.0 enhances automation by combining human creativity, decision-making, and adaptability with AI-powered digital technologies.

Technical Definition

A cyber-physical production environment where human operators, collaborative robots, and AI-driven systems interact in real time to deliver customized, efficient, and sustainable manufacturing outcomes.

- Cyber-Physical Systems (CPS)
- Industrial IoT (IIoT)
- Artificial Intelligence & Machine Learning
- Collaborative Robotics (Cobots)
- Edge & Cloud Computing
- Digital Twins
- Smart Energy Management

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Core Engineering Pillars

- **Human–Machine Collaboration:** Cobots with force sensors and vision systems enable safe precision tasks.
- **Hyper-Personalization**: Flexible manufacturing and AI scheduling support mass customization. Sustainability.
- **Engineering:** Energy monitoring and predictive algorithms reduce power use, scrap, and carbon footprint. Resilient.
- **Operations:** Edge computing and real-time analytics minimize downtime and supply-chain disruptions.

Key Technologies in Practice

Technology	Industrial Application
AI/ML	Predictive maintenance, quality inspection
IIoT Sensors	Real-time machine health monitoring
Digital Twins	Virtual simulation & optimization
Cobots	Assisted assembly & packaging
AR/VR	Remote diagnostics & operator training
Big Data	Production analytics & optimization

Benefits to Manufacturing Plants

- 20–30% reduction in downtime
- Higher OEE (Overall Equipment Effectiveness)
- Improved product quality
- Faster changeovers for customized batches
- Safer and ergonomic workplaces
- Lower energy and operational costs

Workforce Transformation: Roles shift toward system supervision, data interpretation, robotics programming, and maintenance analytics, requiring continuous upskilling in automation, PLCs, and AI tools.

Conclusion: Industry 5.0 combines automation, intelligence, and human expertise to create collaborative factories where machines handle repetitive tasks and humans focus on innovation and decision-making. Industry 5.0 is not just smarter manufacturing, it is smarter collaboration.

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3. THE POWER OF ENTHUSIASM

Mr. Ajay
(Finance & Accounting)

When Maya joined the logistics company, she wasn't hired into a glamorous role. Her job was simple on paper: track shipments, update spreadsheets, answer emails. The kind of work people often describe as "just a job."

On her first day, she noticed something right away. Most people did their tasks well enough, but with the bare minimum energy. Meetings were quiet. Emails were short and transactional. At exactly 6:00 p.m., chairs slid back and the office emptied.

Maya was different, not because she worked longer hours or had a fancier degree, but because she brought enthusiasm into everything she touched.

When a shipment was delayed, she didn't just flag it in red. She picked up the phone, asked questions, and followed up with a genuine, "Let me see what I can do to fix this." When she updated spreadsheets, she added small notes that made the data easier to understand. In meetings, she listened closely and spoke up, not to show off, but because she cared about the outcome.

At first, her coworkers were skeptical.
"Why are you trying so hard?" one of them joked.
Maya just smiled. "Because this affects real people on the other end."

A few months later, something interesting happened.

Clients started asking for Maya by name. Problems that used to escalate into complaints were now resolved early. Her manager noticed that teams worked better when Maya was involved, not because she was the smartest person in the room, but because her energy was contagious. People felt more motivated simply working alongside someone who genuinely cared.

When a senior role opened up, Maya was promoted.

During her promotion announcement, her manager said something that stuck with everyone:
"Skills got Maya in the door. Enthusiasm is what made her indispensable."

Maya hadn't changed the job description. She changed how the job felt, to herself, to her coworkers, and to the clients.

And that's why enthusiasm matters in the workplace. It turns routine work into meaningful impact, lifts the people around you, and quietly opens doors that hard skills alone can't.

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4. HYDROGEN: THE GIANT BATTERY OF THE FUTURE?

Mr. Javid Ahmad Ganaie
(Marketing)

As the global energy landscape shifts toward variable renewable sources like solar and wind a critical question looms - what happens when the sun sets and the wind stops for days, or even weeks at a time? While lithium-ion batteries have become the gold standard for balancing the grid over a few hours, they struggle with the "seasonal problem."

Enter hydrogen: the high-capacity, long-duration energy storage solution that acts less like a battery and more like a massive strategic fuel reserve.

1. How Hydrogen Energy Storage Works

Hydrogen storage operates on a "Power-to-Gas-to-Power" (P2G2P) cycle. Instead of storing electrons in a chemical paste (as batteries do), the system uses electricity to create a physical fuel.

- **Production (Electrolysis):** Excess electricity from renewable sources is sent to an electrolyzer, which splits water (H_2O) into hydrogen and oxygen.
- **Storage:** The hydrogen gas is captured and stored for large-scale grid storage, it is typically compressed into underground salt caverns or depleted gas fields.
- **Reconversion:** When the grid needs power the stored hydrogen is either burned in a high-efficiency turbine or run through a fuel cell to generate electricity with water vapour as the only emission.

2. Hydrogen vs. Batteries: The Right Tool for the Job

The debate is often framed as "Hydrogen vs. Batteries," but the reality is they serve different masters.

Feature	Lithium-Ion Batteries	Hydrogen Energy Storage
Round-Trip Efficiency	**85% – 95%** (Very high)	**30% – 50%** (Moderate to low)
Storage Duration	Hours to 1-2 days	Weeks to Months (Seasonal)
Self-Discharge	Low, but loses charge over weeks	Negligible (Can be stored indefinitely)
Scalability	High cost to scale (more batteries needed)	Low marginal cost (just add more tanks/caverns)
Best Use Case	Daily grid balancing, EVs	Seasonal storage, heavy industry, shipping

3. The Major Breakthroughs (2024–2025)

Recent milestones have moved hydrogen storage from theoretical models to massive industrial realities:

- **The ACES Delta Project (Utah, USA):** Scheduled to begin commercial operations in 2025, this is one of the world's most ambitious storage hubs. It will use two massive salt caverns, each the size of the Empire State Building, to store 300 GWh of energy. To put that in perspective, it would take over 40,000 shipping containers of lithium-ion batteries to match that capacity.

- **NEOM Green Hydrogen (Saudi Arabia):** Nearing 90% completion as of late 2025, this $8.4 billion project will integrate 4 GW of wind and solar to produce 600 tonnes of green hydrogen daily, using storage to manage the transition from intermittent power to a steady export stream.

- **Sinopec Kuqa (China):** Already the world's largest operational green hydrogen facility, proving that 260 MW-scale electrolysis can be integrated into industrial supply chains.

4. The Challenges: Efficiency and Economics

Despite its potential, hydrogen faces two steep hurdles:

- **The "Efficiency Tax"**

  The primary drawback of hydrogen is energy loss. For every 100 kWh of wind power you use to make hydrogen, you might only get 35–45 kWh back as electricity. This "round-trip efficiency" is significantly lower than that of batteries. Consequently, hydrogen storage only makes economic sense when there is an abundance of cheap, curtailed renewable energy—power that would otherwise be wasted because the grid cannot handle it.

- **Infrastructure and Safety**

  Hydrogen is the smallest molecule in the universe, making it notoriously difficult to contain. It can leak through seals that are airtight for natural gas and can cause "hydrogen embrittlement," making standard steel pipes brittle and prone to cracking. Developing dedicated hydrogen-ready pipelines and storage tanks requires massive capital investment.

- **Conclusion: A Hybrid Future**

  Hydrogen is not a replacement for batteries it is their necessary partner. While batteries will handle the rapid-fire fluctuations of our daily solar cycles, hydrogen will serve as the "Strategic Reserve" that keeps the lights on during a week-long winter storm or a month of low wind.

  By 2030, the global energy grid will likely rely on this hybrid model: batteries for speed, and hydrogen for stamina.

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EVENTS AND CONFERENCES

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1. Arihant Electricals at the Forefront of Policy Dialogue

Arihant Electricals actively participated in the Union Budget 2026–27 interactive sessions organized by the Confederation of Indian Industry in association with the Ministry of Finance. The discussion offered valuable insights into policy direction, industrial growth, and infrastructure development, reinforcing our commitment to supporting India's progress through innovation and excellence.

2. Budget 2026 Powers New Momentum

Budget 2026 is set to accelerate India's electronics and electrical manufacturing ecosystem, opening strong opportunities across components, infrastructure, supply chains, and export-led growth.

👉 Click here and Explore the complete industry impact and opportunities in the detailed PDF.

click here

3. Arihant Electricals at Naval Dockyard, Mumbai

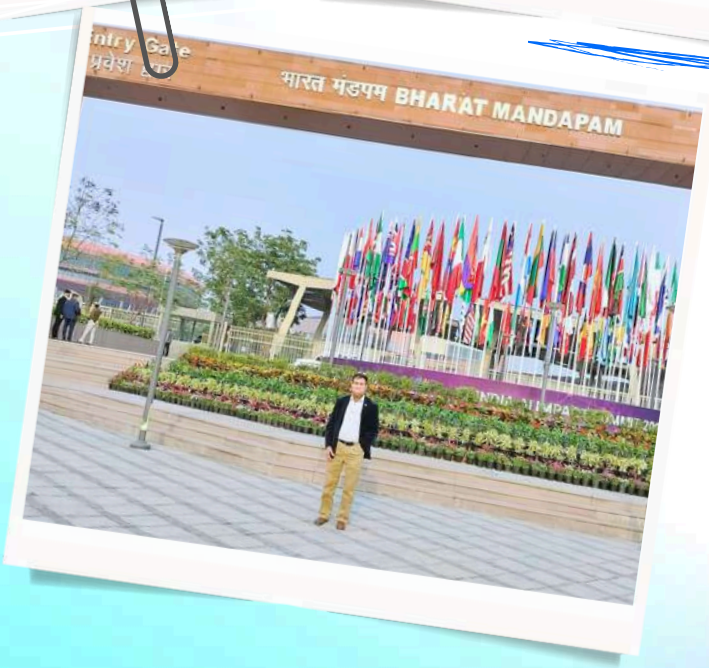
Technical Visit to Indian Coast Guard Vessels for Fire Alarm System Upgradation

Arihant Electricals, along with DRDO scientists, visited ICGS Samrath, ICGS Samudra Prahari, and ICGS Subhadra Kumari Chauhan at Naval Dockyard to assess the existing Fire Alarm Control Systems for potential upgradation, reinforcing our commitment to maritime safety and defense excellence.

4. Arihant at AI Impact Summit 2026

Arihant Electricals participated in the AI Impact Summit 2026 held in New Delhi (16–21 Feb), gaining key insights on AI governance, data resilience, cybersecurity discipline, and leadership-driven implementation.

The summit emphasized explainable AI, prevention of shadow AI use (tools like ChatGPT), and the growing impact of AI + Robotics, data centres, and energy infrastructure in the coming decade.



PEOPLE & CULTURE

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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!

February Birthday Celebrations

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

Birthday celebration of Mr. Virender Kumar (Plant)

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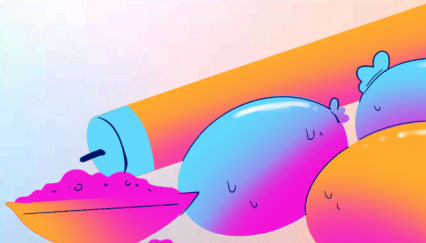
Upcoming March Birthdays

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

Indrajeet Kumar	March 3, 2026
Rajesh Sharma (Electrician)	March 5, 2026
Tanisha Verma	March 8, 2026
Lavi Kumar	March 8, 2026
Satendra Singh	March 10, 2026
Yogesh Kumar Pandey	March 15, 2026
Kamal Kant	March 15, 2026
Arun Sharma	March 18, 2026
Himanshu (Purchase)	March 18, 2026
Manish Kumar Sharma	March 19, 2026
Ram Sureman Sharma	March 20, 2026
Ankur Agarwal	March 29, 2026
Niti Sharma	March 29, 2026
Sandeep Kumar Thapa	March 30, 2026



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Welcome Aboard! (New Joinees - February 2026)

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

Dr. Tanmay Shukla
Sr. Engineer R&D

Himanshu
SCM Executive

MOMENTS OF LAUGHTER & FUN

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THE CASE OF THE MISSING POWER

The prototype finally came back from assembly.
Fresh board, Latest firmware.
Confidence was high.
Power applied. The display stayed dark.
Engineers gathered.
Firmware was reflashed.
Oscilloscope probes came out.
Someone blamed EMI.
Someone else blamed the compiler.
After 30 minutes, a junior engineer quietly asked,
"Uh... is this the debug cable or the power cable?"
Everyone stared.
They swapped the cable.
The screen lit up instantly.
There was a pause.
Then one senior engineer said,
"Well... at least the firmware works."
New lab rule, posted above the bench:
"If nothing works, verify the cable...
then verify the cable again."

-Mr. Manish Kumar Singh
(Research & Development)

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CIRCUIT BREAKER MOMENT

An electrical engineer was asked at a party,
"Do you ever switch off from work?"
He smiled and said,
"Of course I do... but only after proper isolation, earthing, and a full safety check."

The host laughed, "You engineers really take things seriously!"
The engineer replied,
"In our world, one loose connection can spark big problems,
so we prefer our systems... and our weekends... properly grounded and well protected."

Moral of the story:
In the electrical industry, it's not overthinking,
It's called preventive maintenance.
Stay charged. Stay ahead.

FUN & BRAIN TEASERS CORNER

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Crossword Puzzle

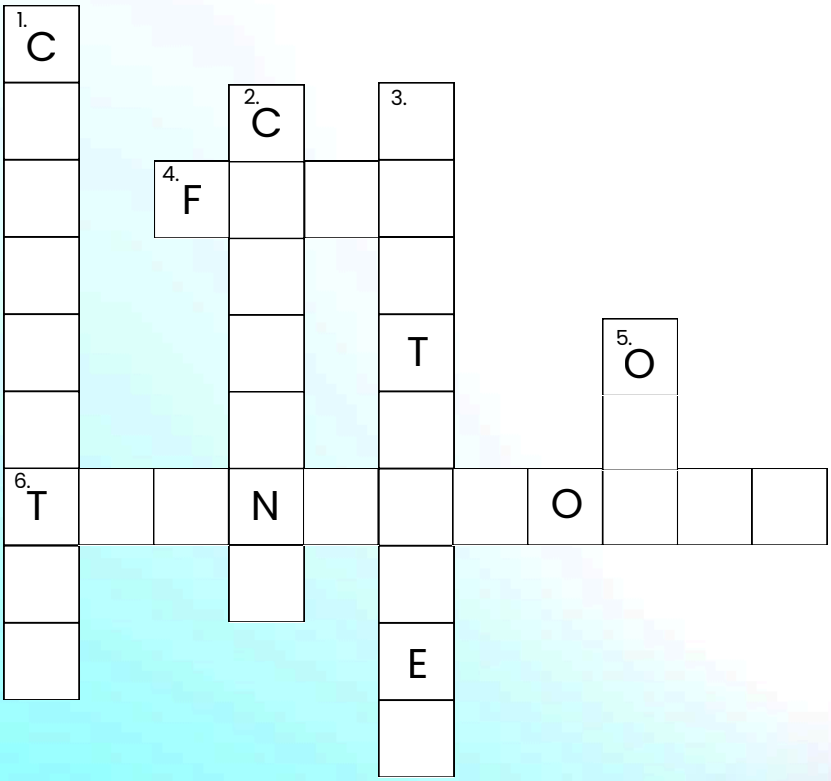
Get ready to kick-start the year with a little thinking and a lot of fun!

This month's **Crossword Puzzle** is designed to challenge your knowledge of electrical systems, engineering basics, and the industries Arihant Electricals proudly serves. Put on your thinking caps, solve the clues, and share your answers with the **HR Head.**

The first three correct entries will be featured in our April edition. Don't miss this chance to test your brain and enjoy some friendly competition!

ACROSS

1. Material that allows current to pass easily (9 letters)
2. Flow of electric charge (7 letters)
3. Device used to convert AC to DC (9 letters)
5. Unit of electrical resistance (3 letters)



DOWN

4. Protective device that breaks the circuit during overload (4 letters)
6. Device used to step voltage up or down (11 letters)

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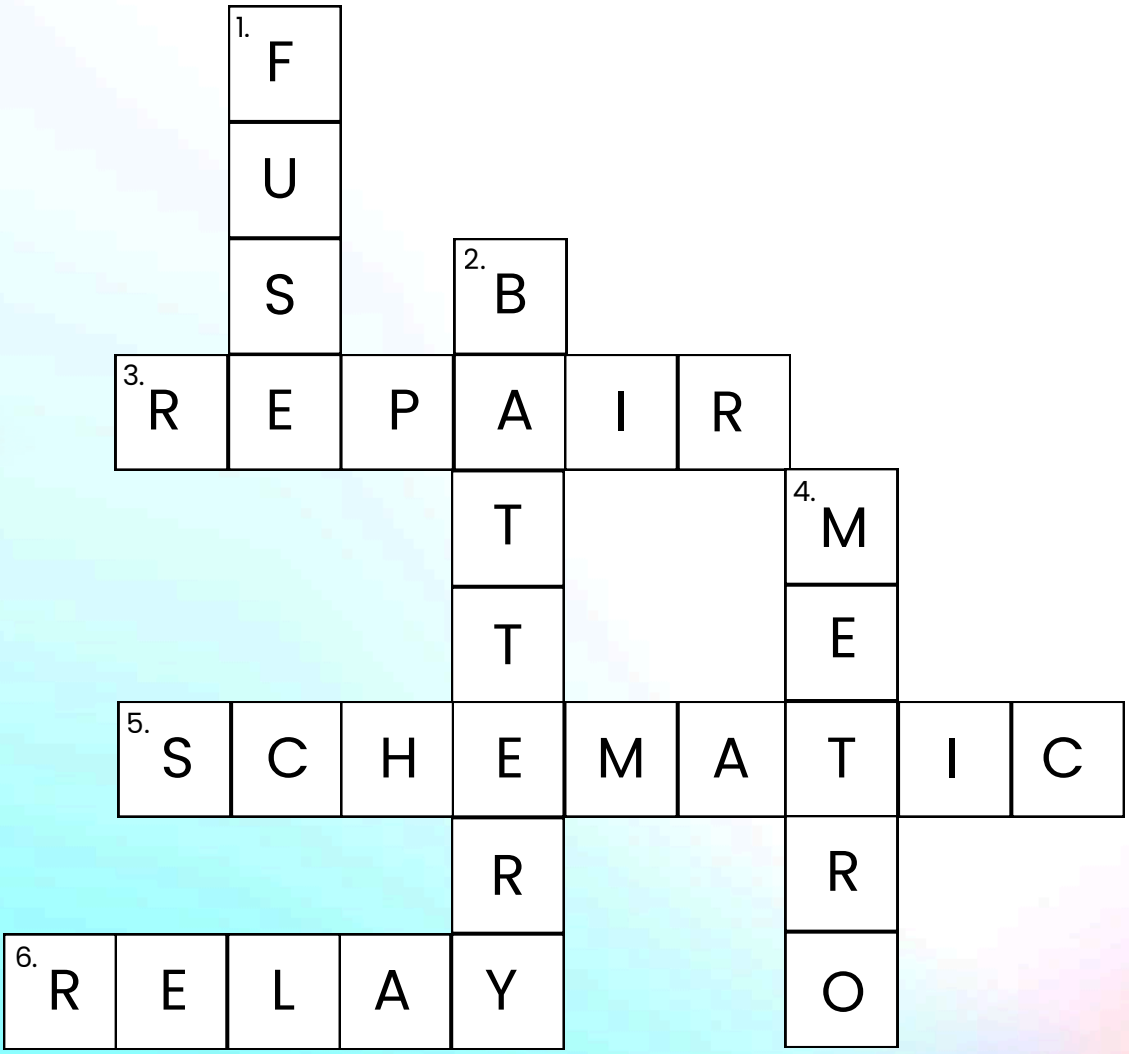
February Crossword Puzzle Winner Announcement

Javid Ahmad

Vijay Dixit

Imran Khan

Puzzle Answers from Our Last Edition



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

LITTLE CREATORS' CORNER

Small hands. Big imagination. Unlimited fun!

This corner is for our Employee's Kids **happy playground of colours and ideas**, where anything you imagine can come to life! Just fun, creativity and your own special touch. So grab your crayons or colours and show us your world, the way you see it!

📌 **Parents can help share the artwork with the HR team.**
📌 **Some super-cool creations will be featured in the next Arihant Newsletter!**

Ready… Set…Create!

Colour & Create: The Power City Scene

Kids are invited to colour their very own **Power City Scene**, a busy place where electricity keeps everything moving. From bright street lights and speedy trains to control panels and power lines, this scene is waiting for your creative touch.

🖍️ Colour the buildings and windows
🚆 Design the train your way
💡 Make the lights glow bright
🌈 Add your own sky, clouds, or even a rainbow!

Bonus Challenge:
Add something new to the city, maybe solar panels, windmills, or extra lights!

Ready… Set… Colour!

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CHILD NAME & AGE

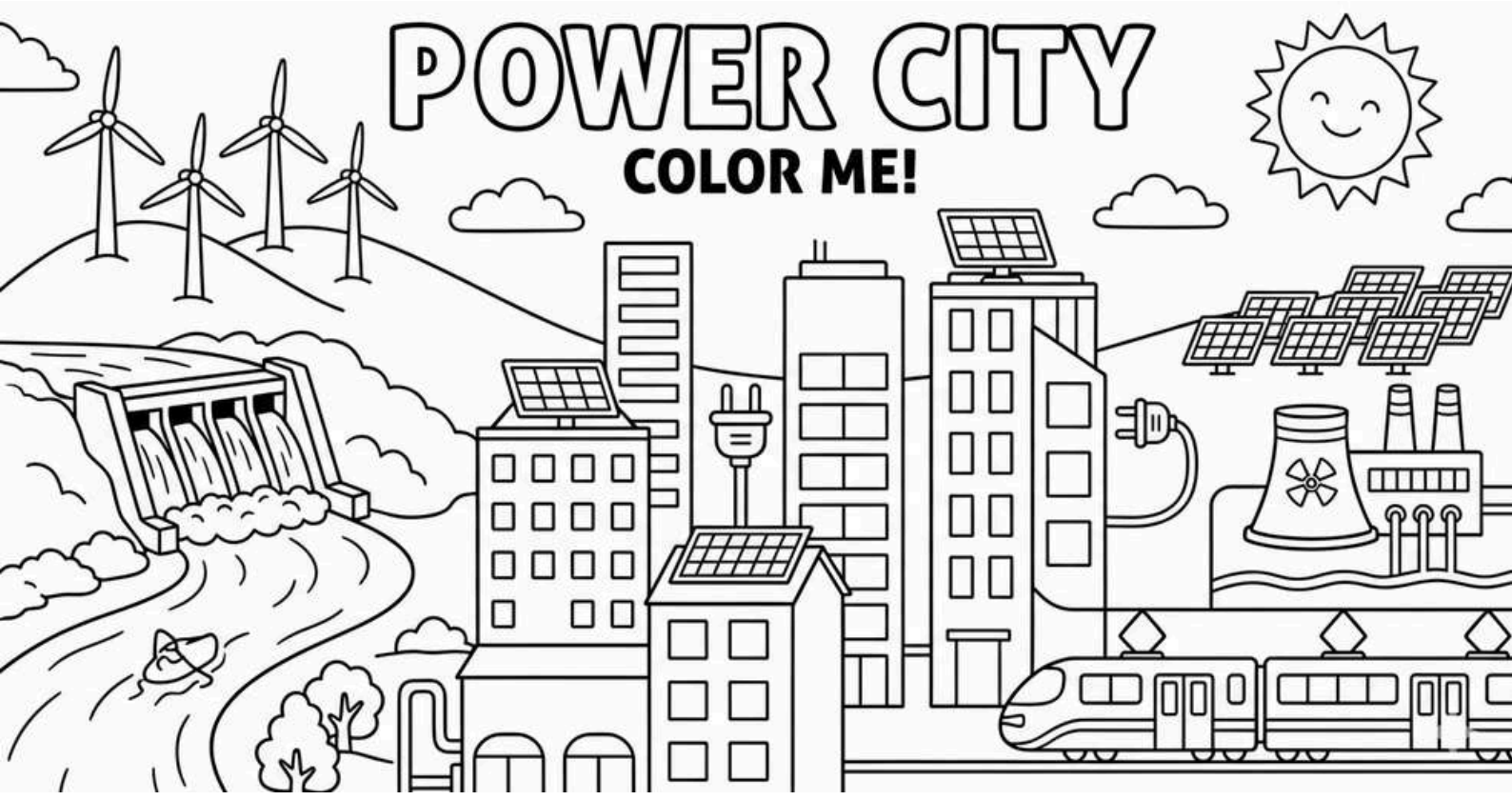
_____

EMPLOYEE NAME

_____

DEPARTMENT

_____



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Guess the Object!

Can you crack the clues? Put on your thinking cap and guess what these objects are!

1. **I wake you up in the morning with a loud sound. You press me to make me quiet.**
   (Hint: I sit near your bed.)

2. **I have keys but no locks. You press me to write on a computer.**
   (Hint: I am in front of a monitor.)

3. **I go up and down inside tall buildings and save your legs from climbing.**
   (Hint: You press a button to call me.)

4. I protect you from rain and open like a big flower over your head.
   (Hint: You hold me in your hand on rainy days.)

5. **I show moving pictures and cartoons, but I am not a phone.**
   (Hint: Families watch me together in the living room.)

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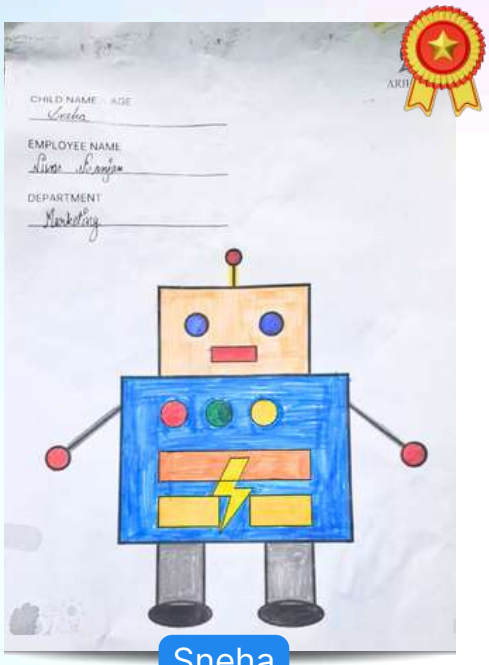
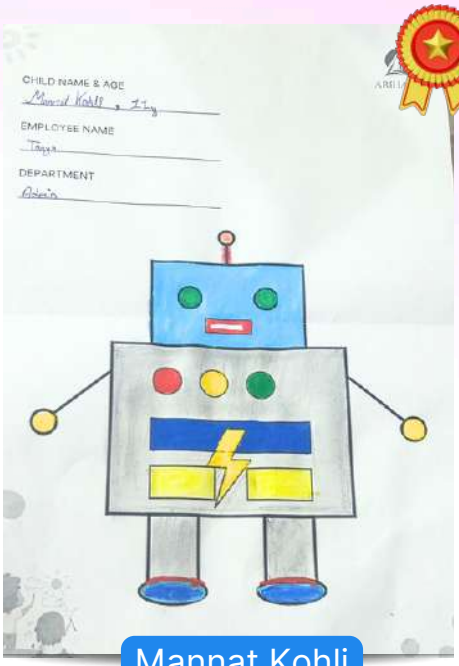
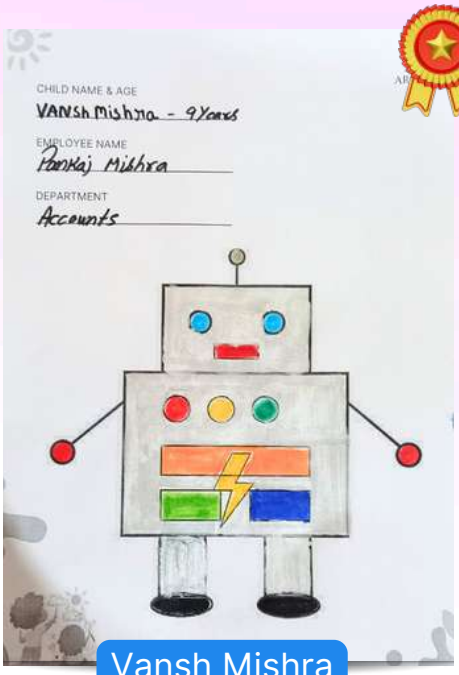
Showcasing Our Employee's Young Stars



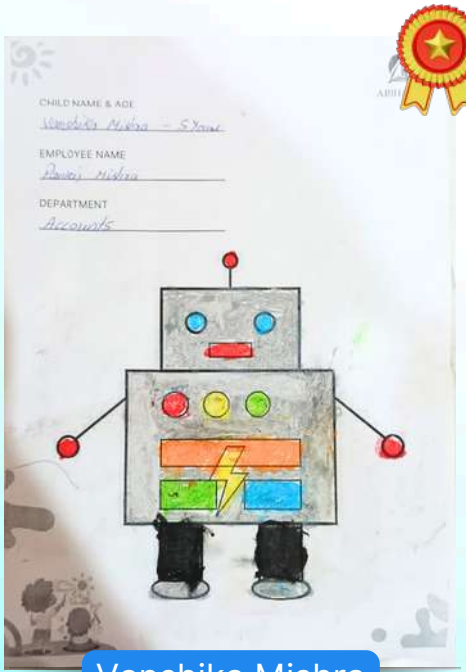
Sneha



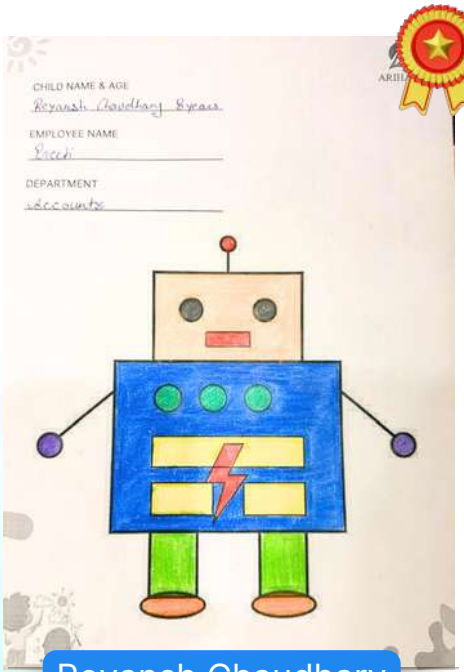
Mannat Kohli



Vansh Mishra



Vanshika Mishra



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