

Arihant

सपत्नी Newsletter

A Touch of Excellence, Every Month

J U N E 2 0 2 6



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MESSAGE OF THE MONTH

The Power of Teamwork: The Foundation of Organizational Success



Abhishek Jain
(Director)

In today's highly competitive and rapidly evolving business environment, no organization can achieve sustainable success through individual brilliance alone. True growth, stability, innovation and long-term achievement are only possible when every individual within the organization works together with unity, accountability and a shared sense of purpose. Teamwork is not merely a management concept; it is the backbone of a successful organization.

At every level of hierarchy, from senior leadership to operational staff, the spirit of teamwork must remain alive and active. A company grows stronger when its people stop thinking in isolated departmental boundaries and begin working collectively toward a common organizational vision.

Every employee, regardless of designation, must understand that they are not just performing a job they are representing the values, culture and reputation of the organization itself.

Friends, we all know that an organization is much like a building supported by multiple pillars. Every department, every team and every individual is one such pillar. If even one pillar weakens due to lack of coordination, communication or trust, the overall structure becomes vulnerable. Therefore, maintaining strong team bonding and transparent communication is essential for organizational stability and growth.

So, when teamwork exists, Productivity improves, Communication becomes smoother, Problem-solving becomes faster and more effective, Innovation increases through collaborative thinking. Employee morale and confidence grow naturally and Organizational goals align with departmental actions.

On the other hand, Lack of teamwork often results in - Delays in execution and decision-making, Miscommunication between departments, Internal competition instead of collective growth, decline in employee motivation and trust, Reduced operational efficiency and Weak organizational culture.

When individuals focus only on their personal responsibilities without considering organizational objectives, the larger vision gets compromised. Success can never be achieved in silos.

Last but not the least **the role of Department Heads (HODs)** is especially critical in building a collaborative organizational environment. Strong bonding among HODs ensures smooth coordination, faster execution and alignment between departmental objectives and the company's overall mission. Every HOD must work not only for departmental success but also for organizational success. Collaboration between departments eliminates gaps in communication and creates operational harmony.

Leadership unity at the top creates team unity across the organization.

Teamwork is not an option; it is a necessity for organizational excellence. No company can reach great heights unless every individual works with collective responsibility, accountability, and unity. Every employee is a valuable contributor, every department is a critical pillar and every leader is responsible for building harmony across teams.

A valuable quote from **Rig Veda** is “संगच्छध्वं संवदध्वं सं वो मनांसि जानताम्”
Means “Move together, speak together, let your minds be united.”



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

SOLID-STATE TRANSFORMERS IN THE SPOTLIGHT



Mr. Dinesh Kumar
(Dept: Marketing)

The Solid State Transformer (SST) has been gaining tremendous attention, both in academia and industry, promising extraordinary (often hyped) power conversion performances, well beyond the current state of the art converters. Despite well-evidenced efforts, SST as a technology is still somewhat struggling to gain commercial traction and find its place on the market.

An emerging conversion technology

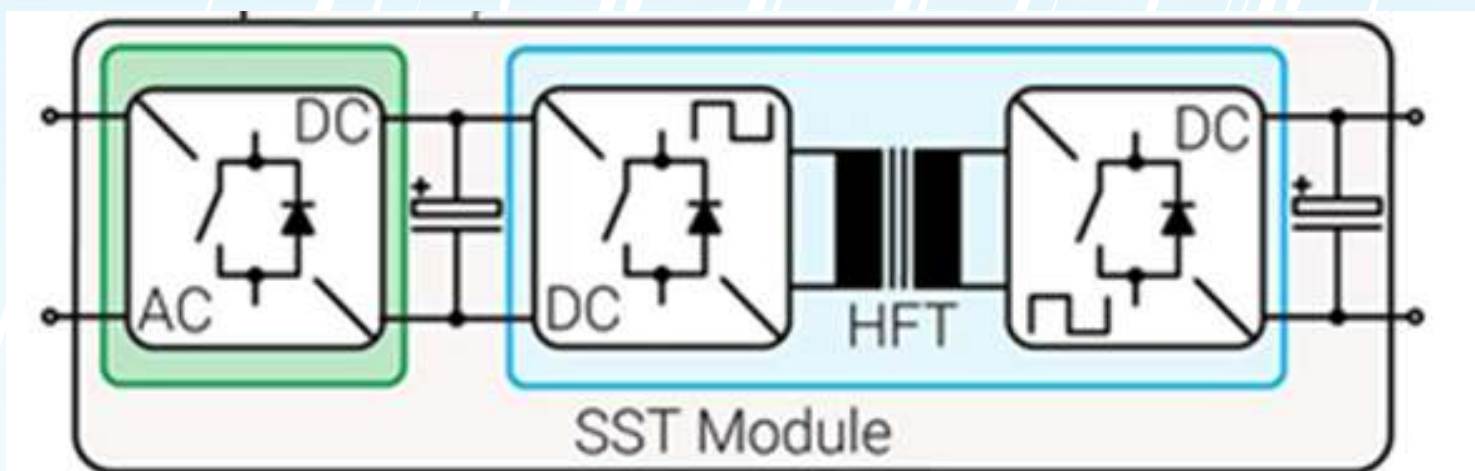
1. The Solid State Transformer (SST), as a new and emerging power electronic conversion technology, is aiming to achieve the same power conversion in various AC or DC power systems, industrial, data centres, and e-mobility infrastructure applications. Numerous demonstrators and prototypes have been presented over the last twenty years or more, yet without a significant commercial breakthrough, which would establish the SST on the market as the primary power electronic conversion technology of choice.

What are solid state transformers?

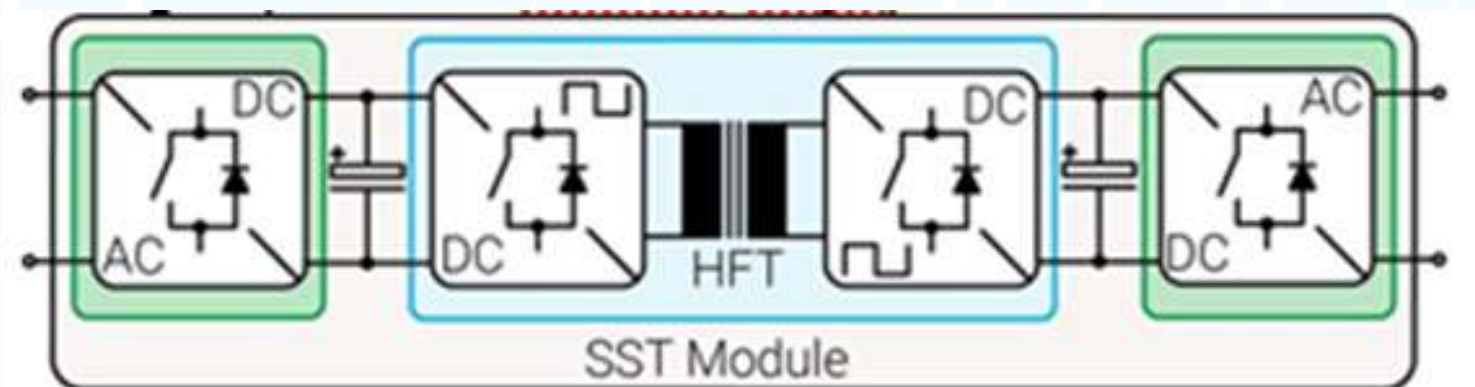
1. The word transformer inside the SST name leads to a lot of confusion, unfortunately. Despite various topological variations that exist, the SST is essentially a galvanically isolated modular converter. It has power electronic conversion stages at its terminals, regardless of their number (two or more) and type (AC or DC), and the galvanic isolation is achieved with a plurality of integrated high-frequency transformers (HFTs), operated at several tens or hundreds of kHz.
2. Typically, the SST is a highly modular converter made from many low-power-rated building blocks or modules. It can be designed to perform any conversion: AC-DC, DC-AC, AC-AC, DC-DC, with multiple terminals and with arbitrary numbers of AC phases, even though the single-phase and three-phase AC networks are of practical relevance.

SST architecture

a) The generic SST module is typically composed of two cascaded power stages for the MVAC to LVDC conversion.



b) Three cascaded power stages for the MVAC to LVAC conversion



SST Technology Challenges

1. There are several technical reasons for this, which are related to the internal architecture of SST, requiring a careful engineering design approach and, in some cases, even further research efforts. Realising the MV-rated converter, with the limited blocking voltages of available semiconductor devices, naturally leads to modular SST designs.

Each module contains:

1. One or more power electronics stages, mechanically enclosed and electrically as well as thermally managed.
2. Various signal-level electronics, including gate drivers, sensors, and local controllers.
3. An auxiliary power supply (internal or external).
4. Communication interfaces with adequate isolation capabilities.
5. A High-Frequency Transformer (HFT), where applicable.



There are many interfaces to be managed on the SST module level:

- Electrical (power)
- Thermal (cooling)
- Mechanical (integration)
- Communication (signal)
- Auxiliary power (if external)

Even if a single SST module is of modest complexity, many of them need to be mechanically arranged, interfaced, and precisely time-coordinated during normal operation and under fault conditions.

Reliability, availability, redundancy

1. A high number of SST modules equipped with power semiconductors, gate drivers, sensors, capacitors, inductors, auxiliary electronic circuits, etc., results in challenges to ensure high reliability indices.
2. Implementing redundancy inside the SST brings new design challenges, as for redundancy to work, all SST modules must be equipped with means to be bypassed and isolated from the rest of the SST in case any of them is faulty.

High-frequency transformers

1. One of the key features distinguishing SST technologies is the presence of the high-power HFTs, providing galvanic isolation and voltage adaptation inside the SST DC-DC module. Even if voltages applied to the winding of these HFTs are small (e.g. ± 1500 or ± 800 V), the isolation design between windings must be carried out considering AC grid working voltages and suitable standards for the insulation coordination to ensure safety in operation. This is proving to be challenging for several reasons.
2. The expectations to greatly reduce the size of HFT by simply increasing its operating frequency are quickly challenged by isolation distances needed to ensure safety, hence further increasing the switching frequency only increases the losses and impairs the SST efficiency.

Efficiency

The SST efficiency is not a random outcome of the design, but a requirement that will be increasingly imposed by the applications and customers, as SST technology gets accepted. The SST technologies, targets are set to 98.5% and above, for the complete SST.

Times are exciting, the SST technology is great and is coming now!





IMPORTANCE OF SPIRITUALITY



Mr. Rohit Jha
(Dept: Sales, Lighting Division)

Spirituality can play an important role in human life because it helps people find meaning, inner balance, and connection beyond everyday routines and material goals. It does not always mean religion, spirituality can also mean understanding yourself, your values, your purpose, and your relationship with others and the world.

Here are some key reasons spirituality is important:

1. Gives Meaning and Purpose

Spirituality helps people ask deeper questions like:

- Why am I here?
- What kind of life should I live
- What truly matters

This sense of purpose can guide decisions and motivate positive living.

2. Improves Mental Peace

Practices such as meditation, prayer, mindfulness, or reflection can reduce stress, anxiety, and emotional confusion. They help create calmness and emotional stability.

3. Builds Inner Strength

During difficult times, loss, failure, illness, or uncertainty spirituality often gives hope, courage, and resilience.

4. Encourages Good Values

Spirituality often promotes compassion, honesty, forgiveness, gratitude, patience, and kindness, which strengthen relationships and society.

5. Creates Self-Awareness

It encourages people to understand their thoughts, emotions, habits, and actions more deeply, leading to personal growth.

6. Connects People

Many people feel spiritually connected to nature, humanity, or a higher power. This can reduce feelings of loneliness and increase empathy for others.



7. Supports Balanced Living

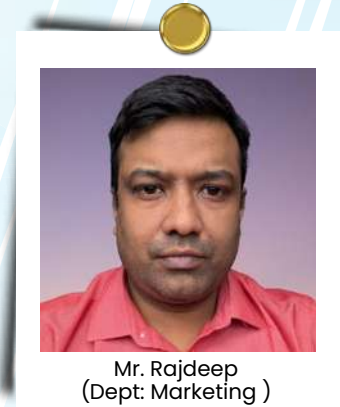
Spirituality reminds people that life is not only about money, success, or competition, but also about peace, wisdom, health, and relationships.

Different cultures and traditions express spirituality in different ways. For example, teachings from Gautama Buddha, Mahatma Gandhi, and Swami Vivekananda all emphasized inner growth, discipline, and service to humanity.



3

OVERCOMING SORROW AND MAINTAINING THE DUTY OF LIFE AFTER PARENTS



The loss of parents is one of the deepest sorrows a person can experience. They are our first teachers, protectors, and guides. When they are no longer with us, life feels incomplete. Yet, even in grief, we must remember that our parents gave us values, strength, and purpose so that we could carry forward the duty of life with dignity.

Accepting the Reality of Loss

- Grief is natural; it shows the depth of love we shared.
- Instead of resisting sorrow, allow yourself to feel it. Acceptance is the first step toward healing.
- Remember: sorrow does not mean weakness, it means humanity.

Living Their Values

- Parents leave behind more than memories, they leave behind values.
- Honesty, hard work, kindness, and resilience are gifts we carry forward.
- By living these values, we honour their legacy every day.

Fulfilling Responsibilities

- Life's duties, towards family, work, and society, do not pause with grief.
- Continue your responsibilities with the thought: *"I am carrying forward what my parents taught me."*
- Duty becomes lighter when seen as a tribute to them.

Finding Strength in Community

- Share your feelings with siblings, friends, or colleagues.
- Support systems remind us that we are not alone.
- Helping others in their struggles also heals our own sorrow.

Transforming Grief into Purpose

- Instead of letting sorrow paralyze us, let it inspire us.
- Dedicate achievements, acts of kindness, or milestones to your parents' memory.
- In this way, grief becomes a source of motivation rather than despair.

Conclusion

The sorrow of losing parents never fully disappears, but it can be transformed into strength. By accepting loss, living their values, fulfilling responsibilities, and finding purpose, we maintain the duty of life with dignity.

Our parents gave us life not to stop living when they are gone, but to continue their legacy with courage. The greatest tribute we can offer them is to live meaningfully, carrying forward the light they placed in us.



EVENTS AND CONFERENCES

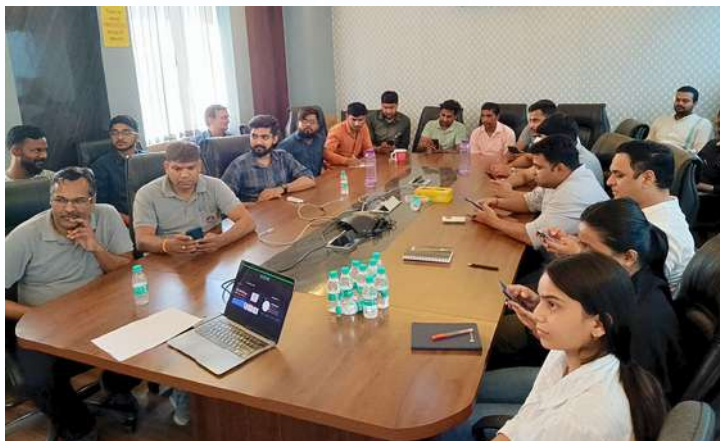
1. Celebrating a Milestone of Excellence with TDK

We are honoured to receive TDK's Overall All India Best Performance Award at the 6th TDK Distributor Meet, held in New Delhi on 6th May 2026. This recognition reflects our commitment to excellence and strong industry partnerships.



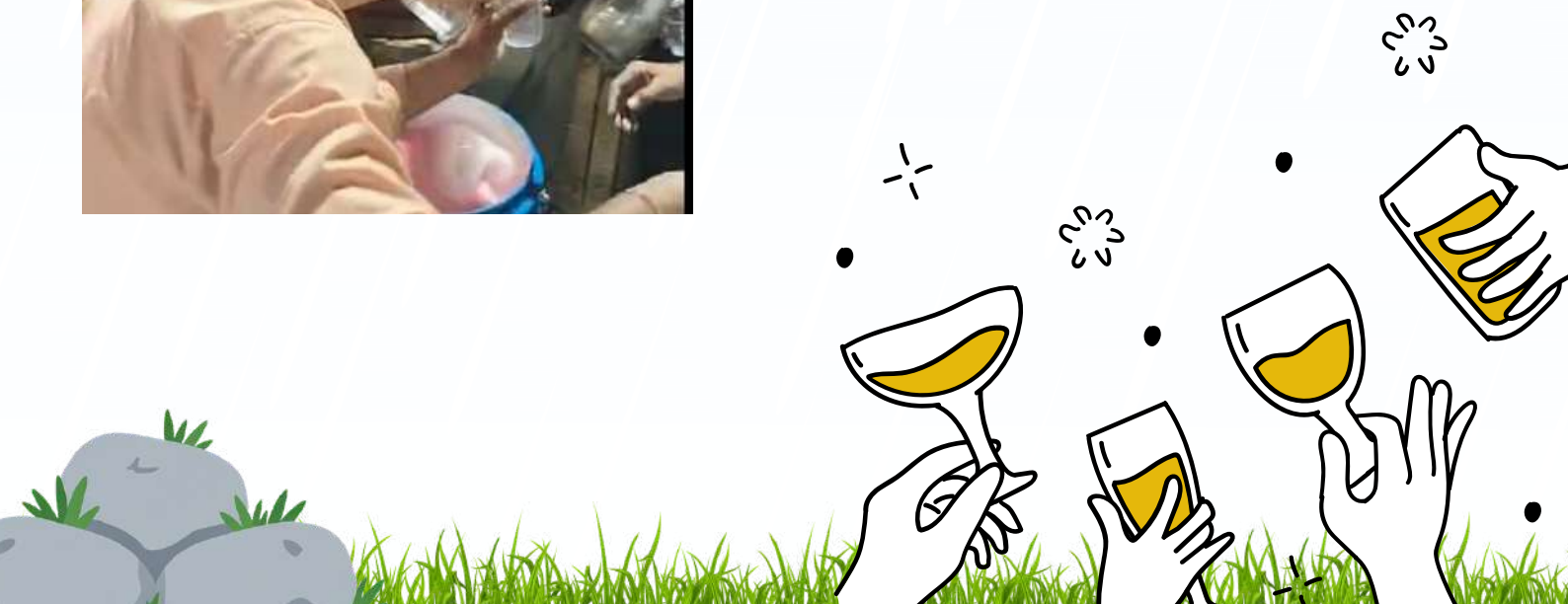
2. Empowering Team Arihant Digitally

Team Arihant participated in an insightful session on delivering the importance of leveraging social media and meaningful engagement to strengthen Arihant Electricals' digital journey.



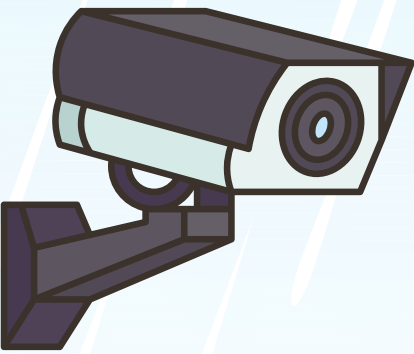
3. Cooling Down the Heat, Together

Arihant Electricals hosted a Thandai Refreshment Initiative to help everyone stay refreshed and energized during the heat wave.



4. From Components to Command Centres, Building Smarter Security

Arihant Electricals was proud to be a part of CCTV Tech India 2026, contributing to conversations around next-gen surveillance and security infrastructure.



5. Summer Internship Camp at SNU

Arihant Electricals was pleased to be part of the Summer Internship Camp at SNU, engaging with young talent and sharing industry insights.



Upcoming June Birthdays

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

Pappu Gupta	June 1, 2026
Anil Kumar (R&D)	June 2, 2026
Pankaj Chaudhary	June 2, 2026
Arun Kumar (R&D)	June 4, 2026
Govind Singh (Store)	June 5, 2026
Naveen Gupta	June 5, 2026
O P Pandey	June 8, 2026
Sumit Sharma	June 13, 2026
Sanjay Biswas	June 14, 2026
Sudhansu Samal	June 17, 2026
Abhishek Jain	June 21, 2026
Hemang Jain	June 21, 2026
Govind Kumar (F&A)	June 22, 2026
Rohit Jha	June 22, 2026
Sandeep Kumar Prod.	June 22, 2026
Vivek Tripathi	June 24, 2026
Manoj Kumar Pandey	June 27, 2026

Welcome Aboard! (New Joinees - May 2026)

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



Shahvez Alam

Customer Support
Engineer



Kamal Nayan Pandey

Engineer R&D
(Embedded)



Pragati Gupta

Manager QC



Akash Kumar Shahi

Sr. Executive
Tender



Sanjit Kumar

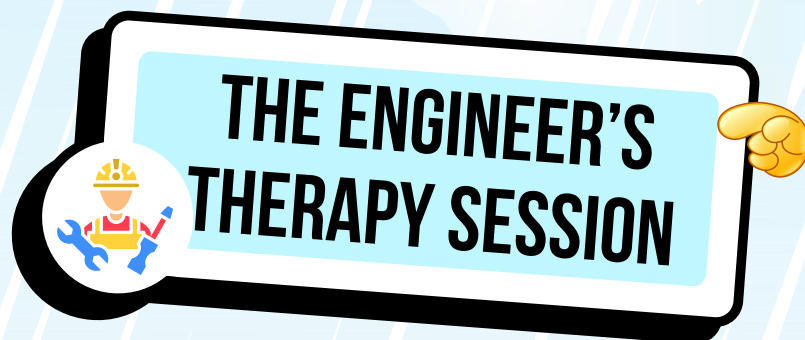
GM Project R&D



Rahul Kumar Shukla

Sr. Engineer Sales





Therapist: So, what seems to be the issue?

Electrical Engineer: Too much pressure.

Therapist: Work stress?

Engineer: No... actual pressure. Everyone keeps asking,

"Can this be delivered urgently?"

"Can we reduce the timeline?"

"Can we make it smaller, stronger, and cheaper?"

Therapist: And how are you coping?

Engineer: Like a fuse... one overload away from blowing.



FUN & BRAIN TEASERS CORNER

Crossword Puzzle

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

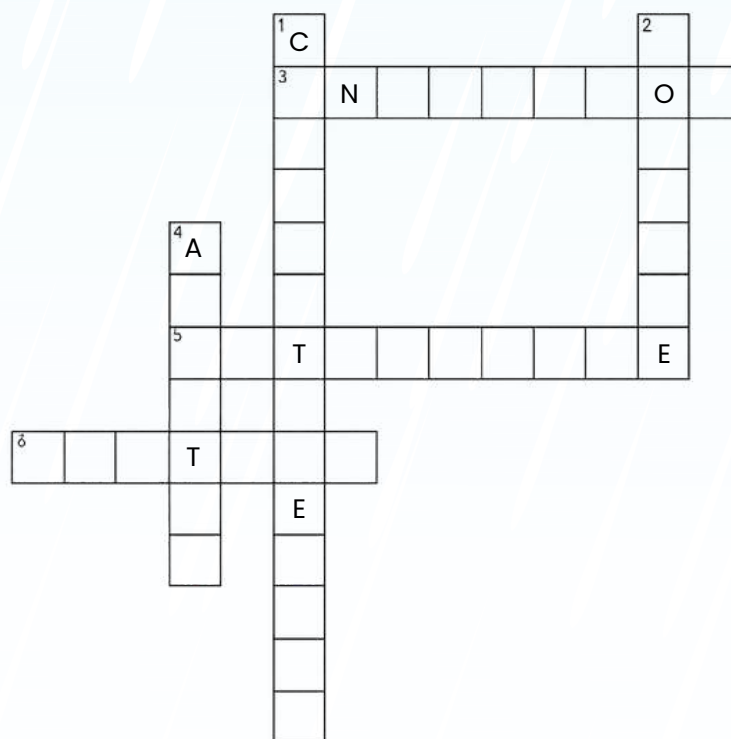
This month's **Crossword Puzzle** is designed to challenge your knowledge of electrical systems, engineering basics, and the industries Arihant Electricals proudly serves. Put on your thinking caps, solve the clues, and share your answers with the **HR Head**.

The first three correct entries will be featured in our July edition.

Don't miss this chance to test your brain and enjoy some friendly competition!

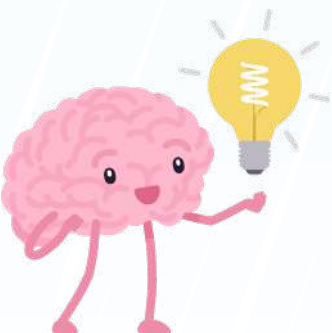
ACROSS

3. Material that does not allow electricity to pass easily (9 letters)
5. Process of converting electrical energy into mechanical motion (10 letters)
6. Device used to store electrical energy for later use (7 letters)



DOWN

1. Device that protects electrical circuits from overload and short circuit (14 letters)
2. Force that pushes electric current through a conductor (7 letters)
4. Instrument used to measure electric current (7 letters)



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: Powering Innovation

Discover the world behind the energy that keeps us moving!

- ✏️ Colour exciting electrical elements and equipment
- 🔋 Learn how power systems connect industries and infrastructure
- ⚡ Explore components that drive smart energy solutions
- 🚆 Get inspired by the innovation powering railways, metros & beyond!

Bonus Challenge:

Add something new to the scene - maybe a flag, a camp setup, or even your own defence vehicle!

Ready... Set... Colour!



CHILD NAME & AGE

EMPLOYEE NAME

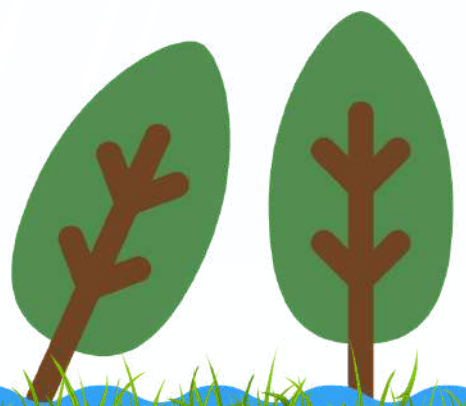
DEPARTMENT



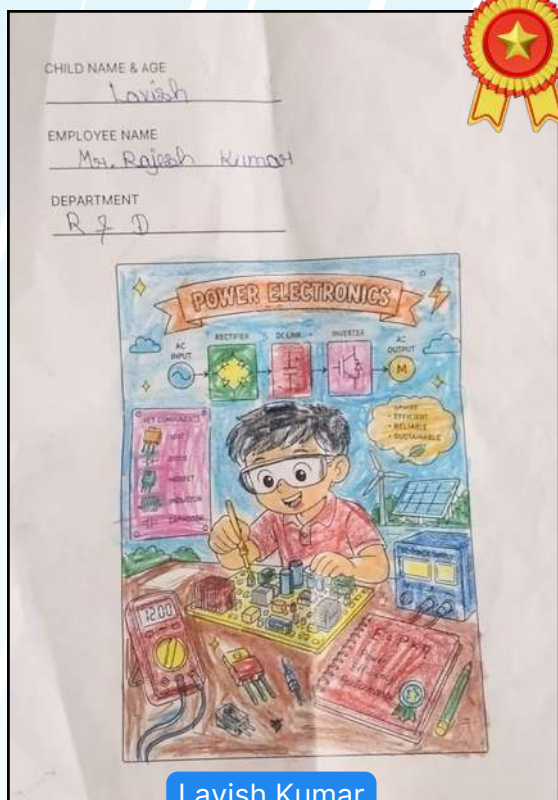
Guess the Object!

Can you crack these fun electrical clues? Put your thinking cap on and start guessing!

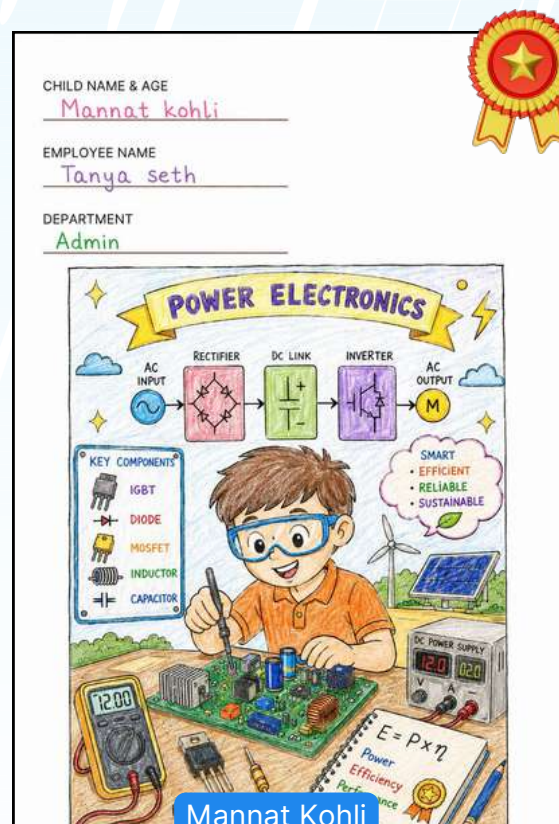
1. I glow in the dark and brighten your space,
with one small click, I light up the place.
(Hint: Found in almost every room)
2. I carry power but never get tired,
helping electricity move through every wire.
(Hint: Hidden inside walls and devices)
3. I make big power small and small power big,
helping electricity flow safely.
(Hint: Seen in industries and power stations)
4. When electricity goes away,
I quietly step in to save the day.
(Hint: Helps during power cuts)
5. Press me once to wake things up,
press again and I stop it all.
(Hint: You use me every day at home or work)



Showcasing Our Employee's Young Star



Lavish Kumar



Mannat Kohli



Pranshu Gupta



IMPORTANT HELPLINE NUMBERS EVERY INDIAN SHOULD KNOW

	Consumer Helpline	1915
	आग	101
	सड़क दुर्घटना	1073
	पुलिस	112
	यातायात पुलिस	103
	ट्रेन दुर्घटना	1072
	आपदा प्रबंधन	108
	NHAI Helpline Number	1033
	पृथ्वी भूकंप	1092
	रेलवे पूछताछ	139
	किसान कॉल सेंटर	1551
	Cyber Fraud	1930
	Missing person complain	1094
	महिला सहायता लाइन	1091

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