

# CONNECTOR

## AKIRA FAMILY LETTER

### Dear Family

### MEMBERS

Drawing inspiration from the words of William Shakespeare, "Better three hours too soon than a minute too late," we are pleased to present this month's newsletter with a spirit of timeliness and commitment.

### Our PHILOSOPHY

**Statement 2 - We never bounce-off the walls and think of many things at once.**

We do not behave in a restless or hyperactive way, and we do not allow our minds to become distracted by too many thoughts at the same time. We prioritize structured and disciplined thinking over impulsiveness.

### Let's know

### International Mother Language Day

International Mother Language Day is observed every year on 21 February to promote linguistic and cultural diversity worldwide. Declared by UNESCO in 1999, the day commemorates the 1952 Language Movement in Bangladesh, where students sacrificed their lives to protect their mother tongue.

A mother language plays a vital role in shaping identity, culture, and education. The day highlights the importance of preserving endangered languages and encouraging multilingual learning.

Let us respect and promote our mother languages, as they are the foundation of our heritage and unity in diversity.

### Evolve

### Training Session on Enhancing Customer Experience

On 22nd February 2026, Evolve Team organized a dedicated training session for the technicians who are members of the Erode District Electrical & Plumbing Technician Welfare Association.

The program focused on enhancing healthy customer experiences by strengthening technicians' product knowledge. Through interactive discussions and practical demonstrations, participants gained hands-on experience and in-depth understanding of Evolve brand products. The session enabled them to confidently recommend, install, and service products while ensuring customer satisfaction.

This initiative highlights Evolve Team's continued commitment to empowering technicians and elevating service standards across Tamil Nadu.



## Special Days in **FEBRUARY**

Date	Special Day	Observed In
1 February	Indian Coast Guard Day	India
2 February	World Wetlands Day	International
4 February	World Cancer Day	International
10 February	National Deworming Day	India
11 February	International Day of Women and Girls in Science	International
12 February	National Productivity Day	India
13 February	World Radio Day	International
14 February	Valentine's Day	International
20 February	World Day of Social Justice	International
21 February	International Mother Language Day	International
24 February	Central Excise Day	India
27 February	World NGO Day	International
28 February	National Science Day	India
28/29 Feb	Rare Disease Day	International

## CELEBRATING **The Journey**



Senthilkumar



Dhayanithi



Malathi



Johnson



Subash



Hema Latha



Manoj Kumar



Abishek



Harini



Divya



Aravinth



Adithyan



Sasikala

## Let's Think!



## Technical Tips - ESD

S.No	Parameter	Technical Details	Expert Recommendation
1	What is ESD?	Sudden discharge of static electricity between two objects at different potentials. Can damage IC junctions instantly or create latent failures.	Implement ESD control at assembly, testing, and installation stages.
2	Human Body Model (HBM)	Human body can carry 2,000–25,000 volts in dry conditions. Discharge may not be felt below 3,000V but still damages sensitive components.	Ensure all operators use wrist straps and ESD-safe flooring.
3	Typical Component Sensitivity	Modern microcontrollers and MOSFETs may fail at <100V discharge.	Use ESD protection devices at I/O ports and power lines.
4	Latent Failure Risk	ESD may not cause immediate failure but weakens semiconductor junctions. Failure may occur in field after weeks/months.	Maintain strict ESD compliance in PCB assembly area.
5	ESD Safe Workstation	Ungrounded tables and tools accumulate static charge.	Use grounded mats ( $\leq 1 \times 10^9$ ohms resistance), wrist straps (1M $\Omega$ resistor), and ESD-safe chairs.
6	Storage & Packaging	Normal plastic covers generate static electricity.	Store PCBs in anti-static bags and conductive trays.
7	Environmental Control	Low humidity increases static buildup.	Maintain RH (Relative Humidity) between 40–60% in assembly area.
8	PCB Design Protection	External interfaces are major ESD entry points.	Use TVS diodes, proper grounding, input filtering, and isolation where required.
9	ESD Testing Levels (Industrial Control Cards)	Contact discharge and air discharge testing performed during validation.	Design PCB to withstand $\pm 4$ kV contact and $\pm 8$ kV air discharge (minimum industrial level).

## Did You Know?

A person walking on a carpet can generate up to 35,000 volts of static electricity — while many modern ICs get damaged below 100 volts.

Even when no visible damage occurs, ESD can reduce PCB control card life by weakening semiconductor junctions.

## Healthy Food - Fresh vs Un fresh Fish

Check Point	Fresh Fish	Unfresh Fish
Eyes	Clear & bright	Cloudy & dull
Gills	Red/Pink	Brown/Gray
Skin	Shiny	Dull
Flesh	Firm	Soft
Smell	Mild	Strong/Bad