



Dear Patrons,

Greetings from IESA!

The month of November has proven to be an eventful and transformative time for IESA, with the successful completion of two technical events - AI Summit 2023 at Hyderabad earlier this month and Packaging Workshop by IEEE-EPS-IESA at Bengaluru at the end of the month. The outcomes have positioned the IESA for accelerated growth and innovation within the industry.

The AI Summit embraced the paradigm shift from software-centric approaches to hardware-centric solutions, capturing emerging markets in the AI domain. Attendees delved into the latest advancements and opportunities in semiconductor design for AI and machine learning applications, fostering collaboration and driving progress.

The semiconductor packaging brought together the entire ecosystem to promote innovation in semiconductor packaging, with a focus on microsystems packaging and manufacturing. Featuring 7 sessions, 25+ speakers, and 3 panel discussions, the event's success showcased the synergistic efforts of IESA and IEEE-EPS, signaling a promising future for joint initiatives and underscoring the commitment of the Indian and state governments to propel ESDM industry growth.

I am also delighted to announce the appointment of Mr. Ashok Chandak as our new President. Ashok is a distinguished figure in the semiconductor industry, boasting over three decades of experience in semiconductors and electronics across various global companies. Holding a Postgraduate degree in Electronics and Management education from Babson College, Boston, he has played a pivotal role in driving initiatives to promote the growth and innovation of the ESDM sector in India and abroad. IESA believes that he will bring a wealth of knowledge, expertise, and vision to his role as President.

IESA is now geared up for the upcoming major event- Vision Summit 2024 on 24th and 25th January, in line with our commitment to advancing the electronics and semiconductor industries in India. Let's foster the growth of this industry together by joining us at this event.



Yours Sincerely  
**Sanjay Gupta**  
Chairman, IESA

## Message From IESA President

Dear Members of the Electronics and Semiconductor Industry,

As we embark on yet another year, IESA has been at the forefront of championing the cause of the ESDM industry and has made significant contributions to its growth and innovation. I look forward to further working closely with the industry members, government, partners, along with IESA team to enhance the competitiveness and capabilities of the ESDM industry and make it a key driver of the nation's economic and social progress.

Yours Sincerely  
**Ashok Chandak**  
President, IESA



## IESA Odisha Chapter Launched, Signed MoU with State

IESA launched its Odisha chapter and signed an MOU with the Odisha government on November 2, 2023, at Chanakya Hall, Swosti Premium, Bhubaneswar, introducing initiatives including "Startup Mitra" and "Semiconductor Nation – Campus Connect" in the state. This launch aimed to establish Odisha as a burgeoning hub for semiconductor manufacturing.



## IESA and the Indian Chemical Council (ICC) signed an MoU in New Delhi

On November 2nd, 2023 - Recognizing the vital role of the chemical industry in semiconductor manufacturing and its global value chains, IESA signed an MoU with the Indian Chemical Council (ICC) during the Sustainability Conclave. This significant event, organized by ICC and the Department of Chemicals and Petrochemicals, Government of India, in New Delhi, marks a strategic collaboration fostering sustainability and growth in India's ESDM sectors.

## RISC-V Roadshow at the University of Hyderabad

A RISC-V roadshow was held at the University of Hyderabad in Hyderabad, Telangana, on November 4, 2023, as part of IESA's SemiconIndia FutureSkills initiative to raise awareness about the ESDM sector. Shriram Bommakanti, IESA's State Champion for Telangana, led this collaboration with the university, resulting in a roadshow executed by Mr. Kunal Ghosh and his talented team at VLSI System Design. The event witnessed active participation, echoing the spirit of innovation and collaboration, indicative of a promising future for the semiconductor landscape.



## ESDM Skills Development MoU at Sri Sri University, Cuttack

Under the SemiconIndia FutureSkills programme, an MoU was signed with Sri Sri University in Cuttack, Odisha, earlier this month. The purpose of this collaboration is to work jointly to contribute to the enablement of a skilled workforce in ESDM through awareness sessions, cutting-edge education, and skill development, aiming to achieve self-reliance in the electronics and semiconductor sectors.



## IESA and JETRO Launch Collaborative Endeavors at AI Summit, Hyderabad

IESA and JETRO held their first future strategy meeting in Hyderabad during the AI summit. It was jointly convened by the core group, with Anurag Awasthi and Ved Prakash Mall, IESA and Ms. Mana Ono from JETRO. This will accrue future collaborations in joint industry webinars, targeted B2B meetings, event engagements, and delegation-level exchanges between the semiconductor, fables, chemical, and electronics industries of India and Japan in the next few months.



## ESDM Discussions with New York State Delegation

Anurag Awasthi, Vice President, IESA, recently addressed the New York State delegation, hosted by Empire State Development. He delved into the extant policy metrics, ongoing initiatives, and prospects within India's Semiconductor and ESDM sectors. The discourse extended to fruitful meetings and ideation sessions with key US-India Business Council (USIBC) representatives, adding valuable insights on the sidelines.

## Monthly Webinar Series Hosted by Mr. Pranav Kale, Alphawave Semi

IESA hosted a webinar as part of its monthly SemiconIndia FutureSkills series on December 3rd 2023. Mr. Pranav Kale, Senior Staff Engineer at Alphawave Semi, led an engaging session titled 'Digital IP Design - Designing the Building Blocks of Chips' from 10 AM to 11 AM IST. The webinar garnered substantial participation, providing attendees with valuable insights into microchips. Delving into the intricacies of the ESDM industry, dynamic discussions unfolded, guiding participants through the microchip journey and equipping future electronics innovators with a wealth of knowledge.

**FutureSkills** by IESA  
Building ESDM Nation

**IESA**  
India Electronics & Semiconductor Association

SemiconIndia FutureSkills by IESA™  
An Initiative by IESA to Nurture Tomorrow's Electronics Pioneers

DATE: 03 DECEMBER 2023

SPEAKER:

**MR. PRANAV KALE**  
Senior Staff Engineer - II  
Alphawave Semi

Topic - Digital IP Design: Designing building block of chip digitally

Get Ready to Accelerate Your Future in Electronics and Semiconductor

Inquire -> Experiment -> Create -> Lead

JOIN US EVERY MONTH ON FIRST SUNDAY FROM 10:00 AM TO 11:00 AM IST

A webinar series leading you through an immersive microchip journey

# SAVE THE DATE

# IESA VISION SUMMIT

24 & 25 January 2024 | 9:00 AM to 6:00 PM

Hilton Bengaluru Embassy Manyata Business Park (Convention Centre)

[JOIN NOW](#)

Stay tuned for more updates..

# STARTUP / MSME OF THE MONTH

## December 2023



**Company Name:** Elfonze Technologies

**Company Location:** INDIA: 40/1A, Lavelle Road, Bangalore 560001; 6th Floor, STPI Elite Tower, Bhubaneswar, 751003. USA: 7887 East Belleview Ave, Suite # 1100, Denver, CO 80111

**Website:** [www.elfonze.com](http://www.elfonze.com)

**Overview:** Elfonze Technologies Pvt Ltd, headquartered in Bengaluru, is a renowned IT Consulting and Services company with a global presence. Elfonze specializes in ESDM (Electronics System Design and Manufacturing) activities, offering a range of services and initiatives. Its remarkable growth, impressive client retention rate, and collaborations with industry leaders underscore the commitment to providing high-quality ESDM services, products, and projects. Elfonze Technologies Pvt Ltd stands by its motto, "In a world of quantity, we offer quality."

### Our Projects:

- **Corporate Training:** We provide Corporate Training in Embedded Technology for Employees and GETs. Partners in Nasscom Embedded Software Bootcamp Program, preparing individuals for success in the manufacturing sector.
- **Consulting Services:** Offer cutting-edge solutions in Embedded Systems, IoT, and Automotive sectors, driving digital transformation for clients.
- **Internships and Projects:** Nurturing engineering talent, offer hands-on internships and projects to develop practical skills in the ESDM domain.
- **Product Development:** Introducing offerings such as Unified Logistics and Healthcare Interfaces and an MVP for Oracle Manufacturing Operations.
- **Connected Supply Chain Services:** We offer services to streamline supply chain operations, benefiting clients in various industries.



**Company Name:** Digital Shark Technology Pvt Ltd

**Company Location:** No 888, 2nd Floor, 80 Feet Ring road Papareddipalya, 2nd Stage, Naagarabhaavi, Bengaluru, Karnataka 560072

**Website:** [www.digitalspark.in](http://www.digitalspark.in)

**Overview:** Digital Shark Technology is a trusted Design House with a strong focus on Embedded Systems and Software Development. With offices in India, USA & Canada. Digital Shark serves clients from diverse industries around the world, delivering tailored solutions for Embedded product design and development.

### Design and Development Services:

- Embedded Hardware
- Embedded Firmware
- Web and Mobile Application
- UI/UX

### Key Projects Delivered:

- Automotive: Linux and Android-based Digital Instrument Clusters.
- Medical: Pulmonary Lung Therapy Device, IoT-enabled Tele-ventilator, HMI Application for ECG Machine.
- Marine: Application for Ship Propulsion Control.
- Aerospace: Helicopter Digital Ramp Control Unit.
- Industry 4.0: Smart Human-Machine Interfaces (HMIs) for CNC machines.