



## Hail and Well Met, Esteemed Patrons!

As IESA doth turn the page to July in the year of our Lord 2024, prithee behold a glimpse to thee a tableau of the dynamic deeds and notable strides we have achieved together in the month of June

## Hail to Achievements and Charting the Course to a VIKSIT Bharat

IESA extendeth its heartfelt congratulations to **His Honorable Prime Minister, Narendra Modi**, upon securing a third consecutive term in India's democratic governance. This monumental triumph doth not only stand as a testament to India's vibrant democracy but also doth pave the way for continued progress and innovation in the nation's **electronics and semiconductor realms**. We also congratulate **Shri Ashwini Vaishnaw**, Minister of Information and Broadcasting, MietY, and **Shri Jitin Prasada**, Minister of State, MietY, C&I, on their recent victory in the elections and continued focus on Semiconductor and Electronics sector. Inspired are we by these leaders and steadfast in our commitment to support the Prime Minister's vision for a Viksit Bharat and the national agenda. **Dr. Veerappan representeth IESA at the IGC Conference**, Bengaluru and partook in an industry roundtable with the illustrious **Amitabh Kant**, erstwhile CEO of NITI Aayog and G20 Sherpa of the Government of India. Under the sagacious guidance of **Mr. Ruchir Dixit** and **Mr. Naveen Bishnoi**, the CIGs and Chapters are making commendable progress.

## Hyderabad CXO Meet - Hastening the Growth of ESDM

On the 14th day of June, IESA didst orchestrate a CXO Meet in Hyderabad with the ambitious thought of quickening the ESDM sector. This exclusive gathering brought together over **30 eminent industry leaders** from the Hyderabad realm.

## International collaborations

In continuance of our noble endeavours of **Indo-Dutch Opportunity** report release at the house of the Dutch Ambassador in New Delhi, our esteemed EC member, Hitesh Garg, met with the **Ministry of Foreign Affairs of the Netherlands in Amsterdam** on talent and critical material exchange between two countries. Furthermore, **meetings with dignitaries from Singapore, US, Japan, the Philippines, Korea and Malaysia** have borne the most encouraging fruit for their engagements in the advancement of India's industry.

## STARTUP incubators cruising on successful journey

IESA hath played a pivotal role in the shaping, supporting, and nurturing of startups in the realms of electronics and semiconductors through sundry programs and noble initiatives. The **illustrious Electropreneur Park 2.0 in Delhi hath been approved** for the next stage, both conceived and implemented by IESA (with funding support from MEITY and STPI). Likewise, **SFAL Bengaluru, the renowned Semiconductor Fabless Accelerator Lab**, hath witnessed a grand triumph as the startup M/S. Morphing Machines hath secured a princely sum of 23 crores in seed round investment!

The Knowledge Series of **IESA Initiative STARTUP MITRA** is ongoing and invites voluntary mentors, receiving positive responses.

## Hyderabad Branch Meet

Advancing the ESDM Ecosystem: IESA didst host a significant event in Hyderabad, bringing together over **70+ industry leaders, government officials, and IESA members**. This gathering was a stage for rich dialogue and shared insights, fostering future collaborations in the ESDM sector.

## Expansion into Rajasthan

A New Frontier for IESA: IESA doth jubilantly announce the successful launch of the **IESA Rajasthan Branch as part of the Midwest Regional Chapter** on the 7th day of June 2024, at Manipal University Jaipur. This expansion marketh a significant milestone in our journey, extending our footprint to Rajasthan—a realm of innovation and technological advancement.

## Policy advocacy

IESA, acknowledged as a **trusted partner and an esteemed Industry Think Tank**, hath continued its noble collaboration with the government on policies favourable to the industry. It hath partaken in **several committees and councils under MEITY, STPI, and various state governments**. Verily, it hath provided your voice and counsel on diverse subjects, such as the PLI scheme, the National Policy on Electronics, the Semiconductor Mission, State policies and topics, events, promotions, GC of KDEM, IPR, and other related matters.

As IESA continueth to celebrate India's achievements and broaden our reach, we remain dedicated to driving innovation and growth in the ESDM sector. We look forward to partnering with all stakeholders to realize the vision of VIKSIT Bharat and position India as a global leader in semiconductors and electronics. We request your inputs and feedback on various topics voluntarily and also as a reply to email communication from the Secretariat!

Stay tuned for more updates and initiatives in our upcoming newsletters as we all are inspired and dedicated to making India the Powerhouse of ESDM.



Yours Sincerely  
**Ashok Chandak**  
President, IESA



Yours Sincerely  
**Dr. V. Veerapan**  
Chairman, IESA

## Dr. Veerappan Representeth IESA at the IGIC Conference, Bengaluru

On 6th day of June 2024, Dr. Veerappan, esteemed Chairman of IESA, did grace a panel discussion at the IGIC conference, hosted by Smadja and Smadja. In addition, he partook in an industry roundtable with the illustrious Amitabh Kant, erstwhile CEO of NITI Aayog and G20 Sherpa of the Government of India. This grand event, which gathered over 300 delegates and 30 global investors from 10 diverse nations, shone a spotlight on India's remarkable advancements in the realm of global innovation. The discourse did include the vision to transform Bengaluru into a premier innovation hub, highlighting strategies to enhance the ESDM sector, bridge the technological skill gap, and foster cross-border collaborations to propel global innovation forward.



## IESA and JICA Discuss Collaborative Initiatives in New Delhi

The Japan International Cooperation Agency (JICA) India representative, Matsuno Issei San, along with a team from Tokyo, did meet with the IESA Vice President, Anurag Awasthi, at our New Delhi office after deliberations with the Government of Gujarat and MeitY. JICA is a premier development agency under the Government of Japan that implements official development assistance (ODA) in myriad sectors.

## Delegation from JET Japan and America Meets IESA at Bengaluru Office

On 27th day of June 2024, Ved Prakash Mall, Director of Sales and Marketing at IESA, met with delegates from JET Japan and America, including representatives from JETRO Japan, at IESA's Bengaluru office while on 28th June, 2024, Chirag Jasani, IESA Program Manager for Policy and Government Affairs, did convene with the honourable Mr. Yu Yoshida, Director General of JETRO Ahmedabad. The discourse centred around JET's advanced fab equipment, particularly their cutting-edge wafer cleaning systems used in the front-end process of semiconductor manufacturing. These meeting doth serve as a cornerstone for nurturing robust international partnerships, promising an illustrious enhancement of the semiconductor ecosystem.



## IESA Hosts Delegation from National Tsing Hua University Taiwan

On 25th day of June 2024, Col Anurag Awasthi and Deputy Director of Policy and Government, Dr. Rakhi Nangia, met with delegates from National Tsing Hua University (NTHU) Taiwan at the IESA office in New Delhi. The delegation did include Prof. Chang Cgun Lee, CEO of TCFST, Dr. Wei-Chung Wang, Director of the Centre of India Studies, NTHU, Dr. Yu Hua Huang, Director of TCFST, and Prof. Mohan B. Rao, representative of the Taiwan Education Center, NTHU in India. The meeting focused on fostering academic and industry collaboration between India and Taiwan in the semiconductor and electronics sectors.

## IESA and KOTRA Discuss ESDM Industry Collaboration in Gujarat

On 25th day of June 2024, Chirag Jasani met with Mr. Kyu Nam Kim, Director General of KOTRA Ahmedabad. The discourse focused on the current status of the semiconductor and ESDM industries in India, highlighting IESA's initiatives undertaken to facilitate the growth of the ecosystem. They did also explore potential collaborations between IESA and KOTRA to promote B2B interactions between Korean companies.



## IESA Convenes for Indo-Dutch Semiconductor Alliance

In continuance of the follow-up actions following the release of the "Indo-Dutch Semiconductor Opportunities" report, Mr. Hitesh Garg, a venerable member of the IESA EC board, did convene with the esteemed officials of the Ministry of Foreign Affairs of the Netherlands at The Hague. The discussions did deliberate upon the exchange of talent, the collaboration betwixt universities, and the exchange of critical materials for the semiconductor industry betwixt India and the Netherlands, with IESA playing a pivotal role in the forging and fortifying of this noble collaboration.

## STARTUP incubators – Electropreneur Park 2.0 at Delhi gets approval

IESA has been playing crucial role in shaping, supporting and nurturing electronics and semiconductor startups through various programs and initiatives. One of such initiative Electropreneur Park (EP) Delhi, India's first of its kind ESDM incubation centre has successfully executed in the pilot years (2016 -2023) by impacting 59 startups in the ESDM



domain and delivering a value of over ₹ 640 Crore EP Delhi was operationalized in the year 2016 with total budget outlay of ₹ 21.10Crore. The stake holders of the project included Funding Support by MeitY , STPI as the implementing agency, University of Delhi as the Academic partner and India Electronics and Semiconductor Association (IESA) as the implementation partner. Based on the success and Requests, MeitY and STPI has approved the EP2.0 With an outlay of over ₹47 Cr, EP 2.0 Phase-I plans for impacting 200 startups and MSMEs in the ESDM domain. With another 300 startups and MSMEs planned to be impacted by EP 2.0 Phase-II in the subsequent 5 years, overall EP 2.0 proposes to impact 500 startups and MSMEs over a period of 10 years. The overall project funding will be by MeitY, STPI , IESA, IIT Delhi and internal accruals.

**SFAL** another key initiative being conceptualised and nurtured by IESA is doing very well. Notably, one of the Fabless semiconductor startup Morphing Machines from SFAL has secured \$2.76 Mn (around INR 23 Cr) in a seed funding round led by Speciale Invest and other investors. Congrats.

## Core Interest groups ( CIG )

Under the capable stewardship of Mr. Ruchir Dixit, Vice Chairman of IESA, CIGs are advancing at a swift pace. With recent assemblages of WiSE, Manufacturing, and Skilling and Talent CIGs forging ahead in ecosystem development, other CIGs do likewise follow suit. These CIGs shall collaborate closely with the Chapters to shape the nation's needs for the ESDM ecosystem development. The CIG members, as subject matter experts, shall convene with their designated Lead and Co-Lead to craft a paramount agenda. Together, they shall strive towards a list of 5-7 goals, aligned with IESA's aspirations from short, medium, and long-term perspectives. They shall determine the most apt methods and tools to achieve these goals and provide a quarterly progress report to the IESA Board.

## Chapters

Under the astute leadership and sagacious guidance of Mr. Naveen Bishnoi, an esteemed member of the EC Board, the chapters are emboldened to make a profound difference and add value to the nation's grand agenda on ESDM. The chapters have been artfully restructured into four regional entities: North, Midwest, South, and East. This reformation provideth a simplified structure and dedicated secretariat staff to aid in the execution of key initiatives led by the distinguished leaders and their teams within each chapter.

**Hyderabad:** The Hyderabad Branch meet gathering commenced with a cordial welcome to Shri Jayesh Ranjan, Special Chief Secretary of ITE&C and Industries and Commerce, Government of Telangana. Shri Ranjan did offer valuable insights into the ESDM ecosystem and Telangana's strategic initiatives. Srinivas Raju, CEO of Pisquare Technologies, did facilitate the event, which featured key addresses from IESA Chairman Dr. Veerappan and President Mr. Ashok Chandak, outlining IESA's strategic vision for the coming year.



Vice Chairman Ruchir Dixit and EC member Navin Bishnoi did highlight innovative CIGs and key chapter initiatives aimed at advancing the ESDM sector. Col Anurag Awasthi, did lead the evening's agenda, fostering engaging discussions among participants. The event did include insightful presentations from Shrikant Sinha on Telangana's skilling initiatives and Dr. Madhav Pulipati on the goals of the Photonics Valley Corporation. Venkata Simhadri, CEO of ASIP Technologies, did provide updates on ongoing activities and future initiatives in Hyderabad's ESDM sector. The evening did conclude with a vote of thanks from Ved Prakash Mall, expressing gratitude to all participants for their contributions.



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**Rajasthan:** IESA is elated to announce the triumphant launch of the IESA Rajasthan Branch, a part of the Midwest Regional Chapter, on the 7th day of June, 2024, at Manipal University Jaipur. This expansion doth mark a significant milestone in our journey, extending our footprint to Rajasthan—a hub of innovation and technological advancement. The launch event, held in the presence of dignitaries, did include Prof. G.K. Prabhu (President, Manipal University Jaipur), Dr. Veerappan (Chairman, IESA and Co-founder of Tessolve), Commodore (Dr.) Jawahar M. Jangir (Pro President, Manipal University Jaipur), Mr. Sudhir Naik (Treasurer, IESA), and Mr. Varun Manwani (Managing Director, Sahasra Semiconductors).



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## Micron Technology India Hosts IESA Board Meeting in Hyderabad

Micron Technology India did recently host an IESA board meeting at its Hyderabad campus on the 14th day of June, 2024, facilitating a crucial gathering of industry leaders. Representatives from the IESA Telangana Chapter did partake in strategic discussions aimed at advancing the semiconductor and electronics sectors. This meeting did serve as a pivotal platform for networking and fostering initiatives to drive mutual goals in technology and business development forward.

## IESA Members Actively Participate in the Gujarat Semiconnect Preparatory Meeting

On the 21st day of June, 2024, noble IESA delegates, Anurag Awasthi, Sudhir Naik, and Chirag Jasani, did attend the Gujarat Semiconnect meeting, organized by the Department of Science and Technology of the Government of Gujarat. The session, presided over by Principal Secretary Smt. Mona Khandhar, did deliberate plans for the forthcoming Semiconnect event on the 19th day of July at Mahatma Mandir, Gandhinagar. IESA hath been graciously invited to present a report on the semiconductor supply chain during the inaugural session. This engagement doth underscore IESA's pivotal role in shaping the future of India's semiconductor industry.



## IESA Joins 'Brand Bharat' Vision at STPI's 33rd Foundation Day

Col Anurag Awasthi joined and articulated IESA views on "BRAND BHARAT: Accelerating Design and Development of Electronics Products in India" on the 33rd foundation day of STPI - Software Technology Parks of India, Ministry of Electronics and Information Technology earlier in June. The session was chaired by Joint Secretary, MeitY, with varied perspectives put forth by C-DAC, C-DOT, and STPI members and IESA EC board member Sanjeev keskar. This discourse did emphasize the strategic initiatives to propel India's electronics product design and development forward, underscoring the pivotal role of innovation and collaboration in achieving these ambitious goals.

## IESA Speaketh on Semiconductor Skill Building at Gandhinagar

On the 26th day of June in the year 2024, Sudhir Naik did deliver a sagacious oration on the industry's perspective for skill building in the semiconductor sector at a seminar organized by Messe Muenchen. Naik's presentation did illuminate the critical need for specialized training programs and collaborative efforts to enhance India's stature in the global semiconductor landscape.



**IESA Startup Mitra Webinar**  
on  
**KESDM Policy - Benefits and Steps to Apply for ESDM Companies**  
18 July 2024 | 3:00 PM

## IESA Startup Mitra Unveils the Knowledge Sharing Webinar Series in July

IESA doth announce the commencement of a new initiative by IESA Startup Mitra—the Knowledge Sharing Webinar series—which shall begin this month. The inaugural webinar, entitled "KESDM Policy - Benefits and Steps to Apply for ESDM Companies," shall take place on the 18th day of July, 2024, led by Parnika Pavanram, General Manager for Biotechnology & ESDM at KITS, Government of Karnataka.

[REGISTER NOW](#)

## IESA Gujarat Members Attend Breakfast Meeting with Singapore Delegation

Mr. Sudhir Naik, IESA Treasurer, along with other IESA Gujarat members, did partake in a breakfast meeting on the 27th day of June, 2024, hosted by the Singapore delegation at Ahmedabad. Mr. Tan Soon Kim, Deputy Managing Director of Enterprise Singapore, did attend the gathering. This engagement did facilitate discussions on strengthening ties between the Indian and Singaporean electronics and semiconductor sectors, highlighting collaborative opportunities and fostering deeper international connections within the industry.



## IESA Welcome Dr. Rakhi Nangia and Chirag Jasani to Its Leadership Team

Dr. Rakhi Nangia doth join us as Deputy Director at our New Delhi office, bringing with her over 12 years of profound expertise in semiconductor fab policies and international supply chains. Previously, she did play a pivotal role in semiconductor policy advisory at MeitY.

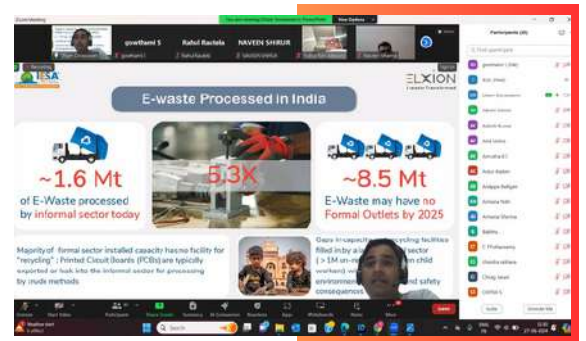
Chirag Jasani doth join us as Program Manager for Policy and Government Affairs in Ahmedabad. He bringeth extensive knowledge in facilitating engagements betwixt government, businesses, and academia, with experience in the corporate sector and non-governmental trade and policy associations. Chirag doth come to us from IIM A Ventures, the startup incubator and accelerator at IIM Ahmedabad, where he did contribute significantly by researching and generating insights into India's startup ecosystem.

Their combined wisdom and experience shall greatly augment IESA's mission to drive progress in India's electronics and semiconductor sectors.



## Live Webinar by IESA and Elxion Private Limited on E-Waste Recycling

A live webinar entitled "E-Waste Recycling in the Context of Sustainability & EPR" hosted by IESA & Elxion witnessed over 89 participants. Dr. Uttam Dooraswami, the venerable Founder and CEO of Elxion Private Limited, did lead the discussion, shedding light upon innovative approaches in e-waste management.



## Upcoming Events

- IESA Startup Mitra Webinar Series (18 July 2024)
- Global IESA Summit, Singapore (22-23 July 2024)
- MCCIA, SES conference in Pune with IESA as partner (15 July 2024)



**Company Name:** Xtremesilica Technologies Pvt. Ltd.

**Company Location:** #494, 2nd Floor, CMH Road, Indiranagar, Bangalore 560038

**Website:** www.xtremesilica.com

**Email Id:** info@xtremesilica.com

**Overview:** Registered in the year of 2018, Xtremesilica Technologies is a product development company which provides its products in Silicon IPs, Verification IPs and FPGA Emulation Generators and also have solutions services like XBP PCIe Gen4 x8, Stereo Vision over networks, Network Storage, Network Analysis, Network Generator and Video Generator.

### Key Products:

#### 1. Silicon IPs

- High-Speed Interfaces
- Ethernet
- Video
- Memory Controllers
- Automotive
- Data Security
- Processor Peripheral

#### 2. Verification IPs

- PCIe
- Memory models
- Automotive
- USB
- Bus Interfaces
- Networking
- MIPI /AMBA
- Display / Video

#### 3. FPGA Emulation Generators

- High-Speed Interfaces
- Ethernet Packet Generator
- Video Generators
- Memory Transaction Generators
- Processor Interconnect Generators
- Low Speed Peripheral Transaction Generators

### Our Solutions:

- XBP PCIe Gen4 x8
- Stereo Vision over networks
- Network Storage
- Network Analysis
- Network Generator
- Video Generator



**Company Name:** Digital Core Technologies Pvt Ltd

**Company Location:** Cochin, Kerala, India

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**Overview:** Digital Core Technologies Pvt. Ltd., is a trusted design partner for all electronic product development needs. With a motto of 'Quality by Design', Digital Core Technologies supports global players in Electronic product development across diverse industries, for a reliable design and manufacturing partner. The purpose of the organisation is to create world-class products and professionals in embedded systems.

### Key Products/Services:

DCT offers Product design services covering the entire Life Cycle from concept to deployment.

- Hardware Designs (High-Speed, High-Density Digital, Analog, Power and RF Circuits)
- Embedded Logic Ware (RTL in VHDL/ Verilog)
- Embedded Software (bare metal, RTOS, Linux, Android etc.)
- Design Owned Manufacturing service.

### IP & Core Modules:

Modular Core Building Blocks for Embedded Products: Hardware and System Software Modules to Facilitate Time and Cost-effective Design & Development of State-of-the-art Professional Embedded Products.

- Thermal camera modules
- Multispectral camera modules
- RISC-V System modules (SoM)

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