



In the Service of the Nation since 1953

The Institution of Electronics and Telecommunication Engineers (IETE)

(Recognised as SIRO by DSIR, Govt. of India)

Organizes

5th National Innovators-Industry Meet- 2021

(In Hybrid Mode)

Theme

“Technological Innovations in Electronics & Related Fields for Aerospace and Defence Production”

Towards Atmanirbhar Bharat

on

26th & 27th August 2021



VENUE

The Institution of Electronics & Telecommunication Engineers
2, Institutional Area, Lodi Road, New Delhi 110 003

CHIEF GUEST

Dr. Ajay Kumar, IAS, Secretary, Ministry of Defence, Gol

GUESTS OF HONOUR

Dr. G Satheesh Reddy, Secretary, Dept. of Defence R&D & Chairman, DRDO, Gol

Dr. N S Kalsi, IAS (Retd), Chairman, National Council for Vocational Education & Training, Ministry of Skill Development and Entrepreneurship, Gol

COLLABORATORS AND PARTNERS

Department of Defence, Ministry of Defence; ADA; BrahMos; Aerospace; Defence Research & Development Organisation; Confederation of Indian Industries; Department of Space, Indian Space Research Organisation; NSIL; Ministry of Electronics & Information Technology; Department of Telecommunications; Center for Development of Telematics; Centre for Development of Advanced Computing; Bharat Electronics Ltd; Hindustan Aeronautics Limited; Electronics Industry Association of India; Defence related CSIR Laboratories; Prominent Defence PSUs; Corporate Sectors in Defence; Engineering Council of India; Academia; Researchers; Innovators; Exhibitors; Start-Ups

PATRON

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CHAIRMAN

Prof (Wg Cdr) P Prabhakar (Veteran), President-Elect and Chairman Board of Research, Innovations & Standards, IETE, Mb: 9814851377, 9814851477

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Special Invitee

Special Invitee

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ABOUT IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society that was founded in 1953. Its vision is to reach the unreached and empower the youth through technical education and skill development, with a Mission for Advancement of Electronics, Telecommunications, Information Technology, and other related disciplines; and contribute to the nation's human resource and infrastructure development through engineers and scientists. IETE has been recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India. The Government of India has also designated the institution as an Educational Institution of National Eminence. IETE is governed by its elected Governing Council and headed by an elected President. It has on its roll the Secretary General – the head of IETE Secretariat as Chief Executive. The Institution is managed through various Committees and Boards nominated by the Governing Council. Its 65 Centers, spread all over India including two outside (one at Kathmandu, Nepal and other at Perth, Australia), are run by elected Executive Committees.

ABOUT BOARD OF RESEARCH, INNOVATIONS & STANDARDS

The Board of Research, Innovations and Standards is the think tank of The Institution of Electronics and Telecommunication Engineers to look into the area of Research, Innovation and Standards. Since 2004, IETE has awarded Rs. 1.04 Crore in Fellowships/Scholarships to 14 Ph.D Research Scholars and 20 M.Tech Students. The majority of these Researchers came from IIT Delhi, IIT Guwahati, IIT Madras, MS University, Vadodara, Tezpur University, Assam, AU University, Vishakhapatnam, AMU-Aligarh, and other prestigious Indian Universities. The Chairman of BoRIS represents IETE in the Bureau of Indian Standards (BIS) Council, while other members represent other Committees (LITDs) of Bureau of Indian Standards (BIS). BoRIS has formed Research Forums in the areas of AI/ML, 6G, Cyber Security, Space Technologies, Cloud and Fog Computing, Data Analytics, IoT, and Emerging Microwave Technologies led by eminent Researchers/ Members who are constantly working to explore new horizons in their respective domains for technological advancement.

In 2016, IETE took a decision to host the 1st Annual National level Innovation- Industry Meet in line with Honourable Prime Minister Shri Narendra Modi's Vision and Mission to encourage Innovative India, Digital India, Start-up India, and the development of India as a self-reliant nation. Following that, in 2017, 2018 and 2019, IETE hosted its 02nd, 03rd and 04th Innovators-Industry Meets. However, due to Covid-19 the meet could not be held in 2020.

GLIMPSES OF PAST MEETS

1st IETE Innovators-Industry Meet – 2016



Chief Guest –Shri Ajay Kumar, Additional Secretary, MeitY, Gol

2nd IETE Innovators-Industry Meet – 2017



Chief Guest –Shri P K Gupta, Chancellor, Sharda University and Chairman SGI

3rd IETE Innovators-Industry Meet – 2018



Chief Guest (Inaugural Session) - Dr. G Satheesh Reddy, Secretary, Department of Defence R & D and Chairman, DRDO

Chief Guest (Valedictory Session) - Dr. Madhavan Nair Rajeevan, Secretary, Ministry of Earth Sciences

Guest of Honour (Valedictory Session) –Shri Vipin Tyagi, Executive Director, C-DOT

4th IETE Innovators-Industry Meets – 2019



Chief Guest –Shri J R Nikahade, Deputy Director DTE

PREAMBLE - INNOVATORS-INDUSTRY MEET

The youth of India will shoulder the responsibility and drive much of the activity and innovation that is expected to propel the economy ahead in a country where the median age of the population is estimated to be about 28 years. Indeed, as India progresses through this decade and beyond, young Indians will come up with some of the most innovative business concepts. Many of start-up enterprises have emerged in recent years as a result of young college graduates' dissatisfaction with typical job postings that limit their creativity and abilities. The Innovators-Industry Meets are being organised by IETE to provide a single forum for Young Innovators, Researchers, Start-ups and Industrial Houses to work together to build India and make it Atmanirbhar Bharat. The first Meet of the series was held on August 27, 2016. Looking at the overwhelming response through different stakeholders, the Governing Council decided to organise the Innovator-Industry Meet on an annual basis, thus increasing the scope, involvement and visibility of the event at all times.

THEME of 5th IETE INNOVATORS- INDUSTRY MEET

Atmanirbhara is the clarion call given by our Prime Minister Shri Narendra Modi to make India self reliant. Also the Prime Minister announced that India should target to increase its GDP to \$5 trillion by 2025. Indigenous defence production will substantially help India to achieve this target apart from being essential for self reliance in defence. Unfortunately, presently India imports a large proportion of the weapons

and equipment it requires at a huge cost. Also there is the constant threat of disruption of this supply for a variety of reasons.

The government has taken a number of proactive steps to increase indigenous production. Earlier India's defence production was limited largely to Ordnance Factories and Defence Public Sector Units. But now private sector participation has increased substantially and is being incentivized further by the government. Defence Procurement Procedure (DPP2020) gives the maximum priority in procurement of equipment that is Indigenous Designed, Developed and Manufactured (IDDM). The Draft Defence Production & Export Promotion Policy (DPEPP) when implemented will help promote indigenous defence production. Going a step further MOD has announced two Positive Indigenisation Lists, totaling 209 such weapons & equipment which will be sourced only from indigenous sources and their import is banned. A separate budget allocation has also been made for the indigenous procurement.

Innovation for Defence Excellence (IDEX), a MOD initiative, is aimed at leveraging the start up environment to improve indigenous defence production. It has provided an opportunity to young entrepreneurs to work alongside the armed forces and help develop state of the art weapons and equipment. IDEX has achieved substantial success in this endeavour, opening up a new eco system for defence production using deep technology. Defence Technology Fund (TDF) is another programme of MOD aimed at incubating latest technologies to meet tri-service armed forces requirements which is being executed by DRDO and Invest India. Together IDEX and TDF are helping foster an eco system of innovation and technology for the defence production.

The Innovators-Industry Meet being organised by IETE aims at giving an opportunity to young innovators in the field of IT and Electronics to showcase their prowess to the industry and academia, resulting in the promotion of design and development of indigenous defence equipment.

VISION, OBJECTIVE AND SCOPE

The primary objective of the IETE Innovators-Industry Meet is to create a national bridge between young innovators and industry to promote Make-in-India by bringing together grass-root innovators, young entrepreneurs/start-ups, researchers, academicians, scientists, projects/case studies/dissertations by students of higher education, and exhibitors on a single platform to showcase their work.

The **vision** is to develop a medium for inventors, entrepreneurs, and investors to discuss ideas and projects in order to encourage direct communication and provide rapid solutions to key challenges faced by SMEs and startups, such as funding, innovation management, and legal or administrative issues. Defence Innovation will bring together best practises and efficiency of two otherwise very distinct entities, led by the government, mostly through money and hand holding, but carried out by the private sector. If this is accomplished, India would not only be able to 'catch up,' but will also be able to 'race ahead,' in terms of defence equipment manufacturing. We have built a platform called Innovators-Industry Meet to attract and bring together innovators and creative minds from throughout the country, as well as industry executives and technocrats, for collaboration and association.

CALL FOR PRESENTATIONS, PROJECTS AND EXHIBITS

Innovators and researchers can share their research projects/presentations, concepts, information, and skills under one roof at the Innovators-Industry Meet. The Meet will also have Invited Talks/Keynote Addresses by notable domain experts, which will be extremely beneficial to all attendees. All concerned people are cordially invited to showcase their creative and original work in the form of projects/presentations, as well as exhibits, connected to the Meet's theme.

Your submissions on related topics, including but not limited to those mentioned under Program Schedule, are also welcome for presentation during the Meet.

INSTRUCTIONS TO PROSPECTIVE INNOVATORS/ RESEARCHERS/ EXHIBITORS

Academia, Researchers, Exhibitors, and Start-ups interested in participating in this Mega event can send their proposals to iete.innovationmeet21@gmail.com; iete.boris@gmail.com by **July 31, 2021**. Candidates who submit a presentation/project will be notified whether or not it has been accepted by **07th Aug 2021**. **The abstracts and selected papers will be submitted to IETE's digital repository HORIZON.**

SOUVENIR AND PROCEEDINGS

A souvenir and proceedings will be released during the event with abstracts of contributed papers, invited presentations, messages from dignitaries and advertisements. The best presentations from each theme may be considered for publishing in IETE Journals. Sponsors and advertisers are encouraged to submit promotional materials.

ADVERTISEMENTS

The advertisers who wish to publish their advertisement in the Souvenir and Proceedings, being released at this occasion, may please send the soft copy of the Advertisement material by **07th Aug 2021**.

SPONSORSHIP

IETE being a no profit professional institution serving the nation and reaching the unreached would appreciate the corporate bodies to sponsor the event. Free delegate passes will be provided for the representatives of the sponsoring bodies.

REGISTRATION

All delegates and participants are required to register online for the event using link <http://iete-elan.ac.in/elan/attendeeRegistration.jsp>. **The Registration fee includes Delegate Kit, Lunch & Tea for a two day event and Delegate Certificate.**

ACCOMMODATION

Participants are required to make their own arrangements for transport and accommodation. However, for any assistance, please contact IETE HQ, at the contact information given in the brochure.

IMPORTANT DATES

Last date for receiving of Registrations : On or before **31st July 2021**
Notification of Acceptance : **07th August 2021**

TARIFF/RATES (Excluding GST)

Sponsorship	Rate (Rs.)	Advertisements	Rate (Rs.)
Platinum Sponsorship (Complimentary 10 free delegate passes)	5 Lacs	Back Cover Coloured and Centre Spread	1 Lac
Golden Sponsorship (Complimentary 5 free delegate passes)	3 Lacs	Inside front and 3 rd Cover Coloured	75,000
Silver Sponsorship (Complimentary 3 free delegate passes)	2 Lacs	Full page	50,000
		Half page	25,000
		Banner Display	10,000

Registration	Rate (Rs.)
Delegates/Participants	1000
IETE Corporate Members, Defence Personnel and Non IETE Students	500
ISF Students and IETE Student Members	250

Exhibition Booth	Rate (Rs.)
8' x 8' Canopy booth with free lunch and tea for 2 days for 4 persons	20,000

All payments such as Registration fee/Sponsorship & Advertisement will be made through online mode using link: <http://iete-elan.ac.in/elan/inetpaymt/onlinepay.jsp> or through NEFT in the following account or through Yes Bank BHIM-UPI ID & QR code.

Name of Beneficiary- The Institution of Electronics and Telecommunication Engineers
Name of Bank - Indian Overseas Bank
Account Number - 149801000001800
IFS Code - IOBA0001498



Note:- Donations/Contributions made to IETE get 100% exemption in income tax. A certificate to this effect will be provided to the donors/contributors by the Secretary General.

COLLABORATORS AND PARTNERS



PROGRAM SCHEDULE

26th August 2021

Inaugural Function : 10:00 AM - 11:30 AM
Exhibition Opening : 11:30 AM onwards

1st Day Technical Sessions will broadly cover the following areas:

- Emerging Avionics Technologies for 6th Generation Fighter Aircraft
- Advanced Guided Missiles
- Modern Electronic Warfare Systems
- Multi-Functional Radar Systems
- AI/ML based Smart Electronic Sensors
- RPVs/UAVs, Drones
- Additive Manufacturing
- Military Digital/ Synthetic Training Solutions Using AR/VR Technologies

National Level Panel Discussion : 5:30 PM to 7:00 PM

27th August 2021

2nd Day Technical Sessions will broadly cover the following areas:

- Space based Military Intelligence
- Space Command & Control Systems
- Autonomous Military Vehicles
- Robots for Ground based Applications
- Naval Radar & Communication
- CNS Systems for underwater, Ground based & Airborne Applications
- Net Centric Operational Concept

Valedictory Function : 4:00 PM onwards

ADDRESS FOR COMMUNICATION

Secretary General, IETE, 2, Institutional Area, Lodhi Road, New Delhi 110003; **Website:** <http://www.iete.org>

CONTACT

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