



**The Institution of Engineers (India)**

*A Century of Service to the Nation*

**Fortieth National Convention of  
Electronics and Telecommunication Engineers  
and  
National Conference  
on**

**IoT and Sensor Embedded IoT : Driving Smart  
Connectivity**

03-04 Dec, 2025, Faridabad

*Organised by*

**The Institution of Engineers (India)**

**Faridabad Local Centre**

*Under the aegis of*

**Electronics & Telecommunication Division Board, IEI**

*In Association With*



**Department of Electronics Engineering  
J.C. Bose University of Science & Technology, YMCA Faridabad, Haryana**

*Venue*

**Vivekananda Auditorium**

**J. C. Bose University of Science & Technology, YMCA, Faridabad, Haryana**

**☎: 01292245008; 📞: +919968433183**

**✉: faridabadlc@ieindia.org**

## ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India), or IEI, is the largest multidisciplinary professional body encompassing 15 engineering disciplines and providing engineers with a global platform to share professional interests. IEI has a membership strength of over 2.5 Lakhs. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata-700020, IEI has served the engineering fraternity for over nine decades. During this period, it has been inextricably linked with the history of modern engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to receive this honor. Today, its quest for professional excellence has earned it a place of pride in almost every prestigious and relevant organization worldwide. IEI operates among professional engineers, academicians, and research workers. It provides a vast array of technical, professional, and supporting services to the government, industries, academia, and the engineering fraternity, operating from 124 centers located across the country. The Institution also grants aid to its members to conduct research and development on engineering subjects.

IEI has been recognized as a Scientific and Industrial Research Organization (SIRO) by the Ministry of Science and Technology, Government of India. It provides Grant-in-Aid to undergraduate, postgraduate, and PhD students of engineering institutes and universities.

IEI maintains the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also grants the Professional Engineers (PE) Certification.

IEI, in collaboration with Springer, regularly publishes a peer-reviewed international journal in five series: Series A, Series B, Series C, Series D, and Series E, covering fifteen engineering disciplines. For further details, please visit: [www.ieindia.org](http://www.ieindia.org).

## ABOUT FARIDABAD LOCAL CENTRE, IEI

Faridabad Local Centre started its operation on 25th Nov. 2009. Operating from 2nd Floor Bank Building, J. C. Bose University of Science & Technology (YMCA) Faridabad, Local Centre has more than 2700 engineers as corporate members registered with it. In the year 2024, the centre has been recognized as Council Member. With Faridabad and Gurugram major industrial hubs under the geographical jurisdiction of the centre, it is bound to attract more engineers and serve large engineering fraternity. For further details, please visit: [www.ieifbdlc.in](http://www.ieifbdlc.in)

## ABOUT J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD, HARYANA

J. C. Bose University of Science and Technology, YMCA, Faridabad (formerly YMCA University of Science and Technology) was established in 2009 by Haryana State Legislative Act No. 21 of 2009 and Haryana Government Gazette Notification No. 29 of 2009, dated 16.9.2009. Before the University came into existence, it had a humble beginning in 1969 as YMCA Institute of Engineering with an intake of 120 students. It was an Indo-German Project – a Joint Venture of the State Government (erstwhile Punjab) and National Council of YMCAs of India with active assistance from overseas Agencies of West Germany. The Institute was started with the aim to impart technical education to a developing India on German pattern and to produce highly practical oriented personnel in specialized fields of engineering to meet specific technical manpower requirements of industries.

The YMCAIE was upgraded to the University by the Legislative Act 21 of 2009. The UGC granted the 12(B) status to the University in the Year 2012 enabling it to receive grants from UGC. The University accredited by NAAC with 'A+' Grade in the first circle of accreditation in the year 2016. In 2017, it got the status to grant affiliation to the Engineering Colleges situated in district Palwal and Faridabad. In 2018, the University was named after the great scientist Jagadish Chandra Bose by the State Government vide a notification dated 11.10.2018 (Haryana Legislative Act No. 29 of 2018).

The salient features of German education have been retained by the University and as such the University stands apart from other Universities of Haryana. The sophisticated equipment and machines in the workshops and laboratories enable the students to operate various machines independently so as to acquire thorough knowledge and develop competence in their respective skills.

The University has a rich alumni network as its alumni are the leaders in the Industry and corporate world. They have played a significant role in the Industrial development of Faridabad and contributing significantly to the techno-economic growth of the country.

At present, the University offers B.Tech & M.Tech degree in many disciplines. Besides, it is offering Science, Management and Arts courses at UG and PG level. The present campus of the University is situated on National Highway-2, Mathura Road, 30 km from National Capital, Delhi.

## ABOUT ELECTRONICS ENGINEERING DEPARTMENT

Electronics Engineering Department started in 1969 and is conducting three B.Tech. Courses in Electronics Engineering with specialization in IoT, Electronics & Communication Engineering and Electronics & Computer Engineering. Students are admitted through centralized counseling nominated by state govt. in 1st Year and 2nd year through lateral entry entrance test. Besides under graduate degree courses, it is also running two M.Tech. Courses in VLSI Design and Electronics & Communication Engineering. Department of Electronics Engineering is also running Ph.D. Programme. All courses are duly approved by AICTE/ UGC.

The Electronics Engineering Department has been well known for its track record of employment of the pass out students since its inception.

The Department has good infrastructure consisting of laboratories, Lecture Halls and Conference Room beside well equipped workshops. It has excellent faculty with 3 Professors, 5 Associate Professors and 21 Assistant Professors. Most of the faculty members are PhD in various specializations. The various syllabi of UG/PG courses have been prepared with active participation from Industry. The Department is organizing number of expert lectures from industry experts for students in every semester. Seven month training is mandatory for every B.Tech. student. Emphasis has been given on project work and workshop for skill enhancement of students.

### **ABOUT THE THEME**

IoT and Sensor Embedded IoT : Driving Smart Connectivity a forward looking vision that underscores the transformative potential of Internet of Things IoT and sensor integrated systems in shaping a connected intelligent and sustainable future. IoT with its ability to enable seamless communication between devices is revolutionizing industries urban infrastructure healthcare and agriculture. Sensor embedded IoT takes this a step further by integrating advanced sensing technologies that collect real time data empowering automation predictive analytics and data driven decision-making.

This theme resonates with India's Digital India and Atmanirbhar Bharat initiatives positioning IoT as a cornerstone of technological self-reliance and innovation. Faridabad a thriving industrial hub near Delhi provides an ideal backdrop with its robust ecosystem of manufacturing automotive and electronics industries making the convention a catalyst for regional and national progress.

The convention aims to bring together academia industry leaders researchers and policymakers to explore IoTs vast potential while addressing critical challenges like scalability cyber security and affordability. By fostering collaboration it seeks to drive the development of innovative inclusive and sustainable IoT solutions that align with global technological trends and India's socioeconomic priorities.

The event will feature keynote addresses technical paper presentations panel discussions and hands-on workshops to inspire young engineers and professionals reflecting IEIs commitment to advancing engineering excellence.

### **SUB THEME**

- IoT for Smart Cities – Leveraging sensor networks for efficient urban planning, traffic management, and sustainable resource utilization, addressing India's rapid urbanization.
- Industrial IoT Solutions – Implementing real-time monitoring, automation, and predictive maintenance to enhance productivity in Faridabad's manufacturing sector.
- Healthcare IoT Breakthroughs – Developing wearable and implantable sensors for remote patient monitoring and telemedicine, improving access to healthcare.
- Agricultural IoT Applications – Utilizing soil, weather, and crop sensors for precision farming, boosting productivity and sustainability in rural India.
- IoT Security Frameworks – Designing robust cybersecurity measures to protect sensor-driven IoT networks from evolving threats, ensuring trust in connected systems.
- Energy-Efficient IoT Design – Creating low-power sensors and devices to promote sustainable IoT deployments, aligning with global green technology goals.
- AI and IoT Convergence – Integrating artificial intelligence with sensor data to enable advanced analytics, machine learning, and intelligent automation across applications.

### **CALL FOR PAPERS**

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the theme of the National Convention but not limited to sub-theme listed above. Authors should send an abstract up to 300 words to Email: faridabadlc@ieindia.org. The final paper should be in the format available on website [www.ieindia.org](http://www.ieindia.org). All presented papers will be included in the proceedings of the Convention. Link and bar code for abstract are given below:-



<https://forms.gle/4RGzjkfN2KARKTsJ9>

### **Copy Right**

The papers are considered for possible publication on the understanding that these have not been submitted to any other publisher. The copyright of papers accepted for publication lies with The Institution of Engineers (India) and reproduction of the papers or any part thereof

is not allowed without the permission of the Institution. Contributors are required to sign the Declaration Form as mentioned above while submitting their papers.

As per Bye-Law 115 of IEI, Copyright of each paper published in Institution Journals or Proceedings in full or in Abstract at its Centers shall lie with the Institution.

**Selected, presented Extended Abstracts will be published in the Conference Proceedings with ISBN.**

**Few high quality papers will be recommended for the peer review process in the SCOPUS indexed IEI Springer Journal.**

### Important Dates

|  |                         |
|--|-------------------------|
| Last date for submission of abstract           | 01-10-2025              |
| Intimation of Acceptance                       | 15-10-2025              |
| Submission of full paper with Registration Fee | 15-11-2025              |
| National Convention dates                      | 03-12-2025 & 04-12-2025 |

### REGISTRATION FEES

All delegates and authors attending Convention must register by filling registration form and by paying registration fees by November 15, 2025 as per following details:

Registration fee includes Proceedings, Souvenir, Registration Kit, Lunch and high tea.

|                                   |            |
|-----------------------------------|------------|
| Delegates from Industries :       | Rs. 2950/- |
| Non Corporate Members of IEI :    | Rs. 1770/- |
| Corporate Members of IEI :        | Rs. 1180/- |
| Students :                        | Rs. 885/-  |
| <b>Amount (Including 18% GST)</b> |            |

### SPONSORSHIP AND ADVERTISEMENT

The Sponsors are entitled for complimentary delegates, one advertisement and display.

| Type              | Amount (Including 18% GST) | Privileges                 |                |
|-------------------|----------------------------|----------------------------|----------------|
| Platinum Sponsor  | Rs. 206500/-               | 12 Complimentary Delegates | Full Page Adv. |
| Gold Sponsor      | Rs. 1,47,500/-             | 8 Complimentary Delegates  | Full Page Adv. |
| Silver Sponsor    | Rs. 88,500/-               | 6 Complimentary Delegates  | Half Page Adv. |
| Sponsor for Lunch | Rs. 1,18,000/-             | 8 Complimentary Delegates  | Full Page Adv. |

### ADVERTISEMENT

You may also give wide publicity to your products in our Souvenir that will be released on the occasion. The following are the advertisement rates:

| Type                                    | Amount (Including 18% GST) |
|---|----------------------------|
| Outside Back Cover Page (Colour)        | Rs. 29500.00/-             |
| Inside Front & Back Cover Page (Colour) | Rs. 23600.00/-             |
| Inside Full Page (Colour)               | Rs. 11800.00/-             |
| Inside Full Page (B/W)                  | Rs. 9440.00/-              |
| Inside Half Page (B/W)                  | Rs. 5900.00/-              |

### PAYMENT

All payments can be made through crossed Demand Draft / Cheque, drawn in favour of **The Institution of Engineers (India), Faridabad Local Centre.**

For Bank Transfer

|                     |  |
|---------------------|--|
| Bank Account No.    | 146601000016741  |
| Account Holder Name | The Institution of Engineers India, Faridabad Local Centre |
| IFSC Code           | IOBA0001466  |
| MICR Code           | 110020044  |
| BRANCH              | IOB, YMCA, Sector -6, Faridabad,                           |
| PAN No.             | AAATT3439Q   |
| GST No.             | 06AAATT3439Q2ZX  |

## CONTACT DETAILS

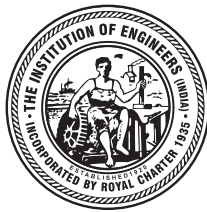
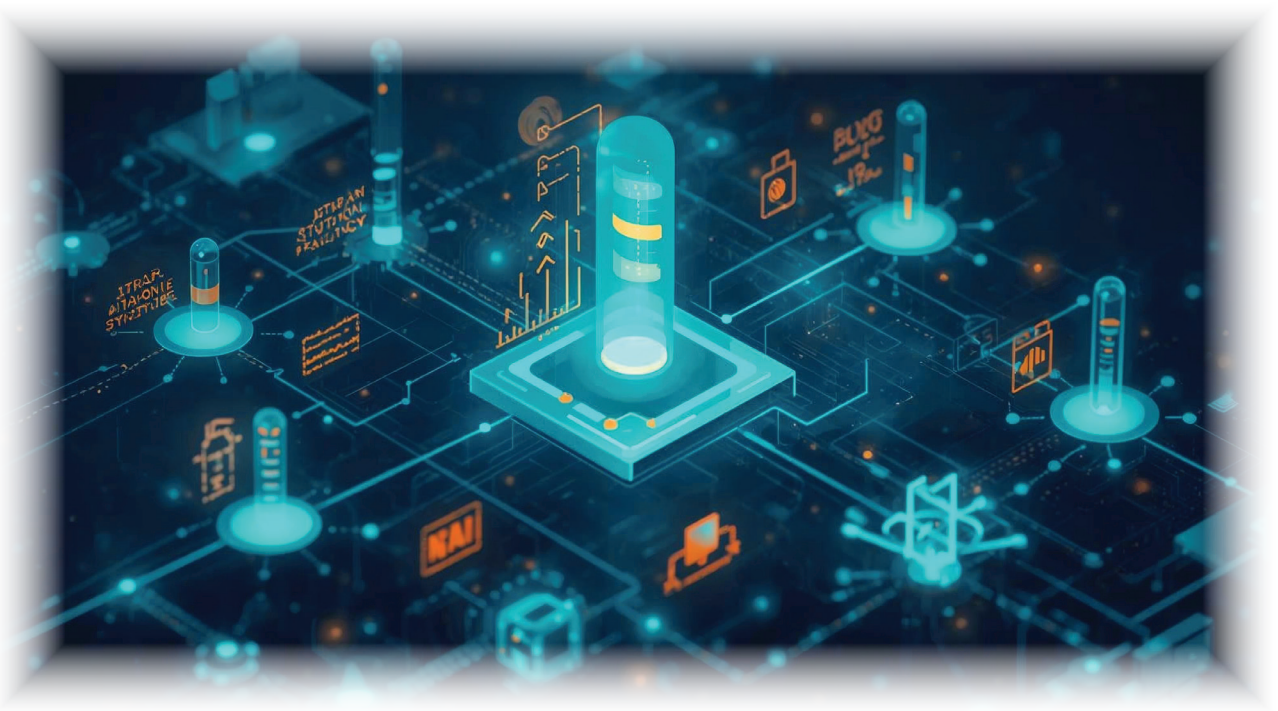
Contact Person

Address

: Prof. (Dr.) Pradeep Kumar, FIE  
: 2nd Floor, Above Bank Building,  
J.C. Bose University of Science & Technology, YMCA  
Faridabad, Haryana, India  
: +919968433183; faridabadlc@ieinida.org

Phone & E-mail

| <b>NATIONAL ADVISORY COMMITTEE</b>   |   |
|--|---|
| <b>Chairman</b><br>Er. VB Singh, FIE, President, IEI   | <b>Co-Chairman</b><br>Dr. (Ms.) Gunnu Padmavathi, FIE, Chairperson, ETDB, IEI   |
| <b>Members of National Advisory Committee</b>  |   |
| Prof (Dr) Girish Shrikisan Mundada, FIE, Vice President, IEI & Member, ETDB, IEI   | Er. K. K. Gopalakrishnan Nair, FIE, Vice President, IEI   |
| Prof. (Dr.) Shilpa Tripathi, FIE, Chairperson, CATE, IEI   | Prof. Rajive Kumar, Vice Chancellor, J.C. Bose University of Science & Technology, YMCA, Faridabad                      |
| Prof. Dinesh Kumar, Vice Chancellor, Shri Vishwakarma Skill University, Haryana  | Dr. Alok Nath De, FIE, Member, ETDB, IEI  |
| Er. Santoshkumar Surajmal Mutha, FIE, Member, ETDB, IEI  | Er. (Ms.) T Shanthi, FIE, Member, ETDB, IEI   |
| Prof. Pradeep Kumar Dimri, FIE, Honorary Secretary, Faridabad Local Centre, IEI  |   |
| <b>ORGANIZING COMMITTEE</b>  |   |
| <b>Organizing Chairman</b><br>Er. I.S. Oberoi, FIE, Chairman, Faridabad Local Centre & Council Member, IEI                   | <b>Convener</b><br>Prof. Pradeep Kumar Dimri, FIE, Honorary Secretary Faridabad Local Centre, IEI                       |
| <b>Organizing Secretary</b><br>Prof. Munish Vashishath, FIE, Chairperson, Electronics Engineering Department, J. C. Bose Uni | <b>Joint Organizing Secretary</b><br>Dr. Vandana Khanna, Associate Professor The NorthCap University, Gurugram, Haryana |
| <b>Members of Organizing Committee</b>   |   |
| Er. Ramakant, Founder Director, EPIC   | Er. Ashwani Kumar Gupta, FIE  |
| Er. N. Kishore Narang, Narnix Technolabs   | Dr. Manu Bindra, FIE  |
| Prof. SV AV Prasad, Professor, Lingaya's Vidyapeeth, Faridabad   | Dr. Pradeep Mallah, MIE   |
| Prof. (Dr.) Neelam Turk, Professor, J.C. Bose UST., YMCA, Faridabad  | Er. Sushil Kumar Bajaj, MIE   |
| Prof. (Dr.) Sonia Bansal, Professor, J.C. Bose UST., YMCA, Faridabad   | Er. I.S. Chauhan, FIE   |
| Prof. (Dr.) Kulvant Singh, Professor, Shri Vishwakarma Skill University, Palwal, Haryana                                     | Er. Lovekesh Kumar Ahuja, MIE   |
| Er. Sandeep Handa, FIE   | Dr. Senthil Vadivel, MIE  |
| Er. J.P. Malhotra, FIE   | Er. D. K. Dewan, FIE  |
| Er. J.P. Singh, FIE  | Er. Jyoti Ram Chaudhary, FIE  |
| Er. Munish Kumar Sharma, FIE   | Er. Tribhuwan Lal Sahu, MIE   |
| Er. Pankaj Kumar, AM   | Er. Nirmal Das Makhija, AM  |
| <b>TECHNICAL COMMITTEE</b>   |   |
| <b>Chairman</b><br>Dr Pradeep Kumar Dimri, FIE   | <b>Co-Chairman</b><br>Dr Munish Vashishath  |
| <b>Members of Technical Committee</b>  |   |
| Er. Y.P. Singh, Director, Kapayo Solutions   | Dr. Sonam Khera, Assistant Professor, J.C. Bose UST., YMCA, Faridabad   |
| Er. Rajeev Vats, CTO, Technotrendz Solutions Pvt. Ltd.   | Dr. Rohit Tripathi, Assistant Professor, J.C. Bose UST., YMCA, Faridabad  |
| Dr. Shailender Gupta, Associate Professor, J.C. Bose UST., YMCA, Faridabad   | Dr. Lalit Rai, Assistant Professor, J.C. Bose UST., YMCA, Faridabad   |
| Dr. Sheilza Jain, Associate Professor, J.C. Bose UST., YMCA, Faridabad   | Dr. Sangeeta Dhall, Assistant Professor, J.C. Bose UST., YMCA, Faridabad  |
| Dr. Prashant Kumar, Associate Professor, J.C. Bose UST., YMCA, Faridabad   | Dr. Dinesh Kumar, Assistant Professor, Lingaya's Vidyapeeth   |
| Dr. Neetu Gupta, Assistant Professor, J.C. Bose UST., YMCA, Faridabad  | Dr. Yashu Swami, MRIIRS, Faridabad  |
| Dr. Nitin Sachdeva, Assistant Professor, J.C. Bose UST., YMCA, Faridabad   | Dr. Yogita Gigras, Associate Professor, The NorthCap University, Gurugram   |



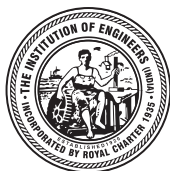
## **The Institution of Engineers (India)**

### **Faridabad Local Centre**

2nd Floor, Bank Building, J C Bose University of  
Science and Technology (YMCA), Sector 6,  
Faridabad 121006,  
Ph. : 01292245008

E-mail : [faridabadlc@ieindia.org](mailto:faridabadlc@ieindia.org)

Websites : [www.ieifbdlc.in](http://www.ieifbdlc.in)



**The Institution of Engineers (India)**  
**Faridabad Local Centre**  
**Fortieth National Convention of**  
**Electronics and Telecommunication Engineers and**  
**National Conference on**

**IoT and Sensor Embedded IoT: Driving Smart Connectivity**

**December 3-4, 2025**

*In association with*

Department of Electronics Engineering  
J. C. Bose University of Science & Technology, YMCA  
Faridabad, Haryana (India)

**DELEGATE REGISTRATION FORM**

Name:(BlockLetters) \_\_\_\_\_

Designation : \_\_\_\_\_

Organization/ Institution: \_\_\_\_\_

Address : \_\_\_\_\_

Contact No..... IEI Membership No. (If applicable) : .....

Email : .....

**Registration Category**

| Type of Delegates           | Indian Delegates (INR)<br>[Including 18% Gst] | Foreign Delegates<br>(USD) |
|-----------------------------|---|----------------------------|
| Delegates from Industries   | Rs. 2950/-                                    | \$ 50                      |
| Non Corporate Member of IEI | Rs. 1770/-                                    | \$ 30                      |
| Corporate Member of IEI     | Rs.1180/-                                     | \$ 20                      |
| Student                     | Rs. 885/-                                     | \$ 15                      |

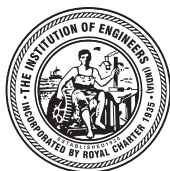
\* (Registration fee is inclusive of 18 % GST) \* ID Card copy to be attached

II/ We enclose a Demand Draft/ Online Bank transfer receipt of Rs. In favour of “**The Institution of Engineers (India), Faridabad Local Centre**” Payable at Faridabad & Drawn on (Bank Particulars)

.....Demand Draft No. ....Dated...../Online transaction  
ID..... dated.....as a proof of payment.

Date\_\_\_\_\_

Signature\_\_\_\_\_



**The Institution of Engineers (India)**  
**Faridabad Local Centre**  
**Fortieth National Convention of**  
**Electronics and Telecommunication Engineers and**  
**National Conference on**

**IoT and Sensor Embedded IoT: Driving Smart Connectivity**

**December 3-4, 2025**

*In association with*

Department of Electronics Engineering  
J. C. Bose University of Science & Technology, YMCA  
Faridabad, Haryana (India)

**SPONSORSHIP / ADVERTISEMENT FORM**

*Venue*

**J. C. Bose University of Science & Technology, YMCA**  
**Faridabad, Haryana (India)**

I/We, .....

Phone/Mobile..... Email: .....

Would like participate in the 40th National Convention on the theme of “**IoT and Sensor Embedded IoT:Driving Smart Connectivity**” to be held at Faridabad Local Centre during December 3-4, 2025 as Prime Sponsor/ Associate Sponsor/Silver Sponsor/ Bronze Sponsor.

Space/Advertiser (Back Cover Page/ Inside Cover Page/ Full Page / Half Page – Matter is enclosed)

(Please cross whichever is not applicable)

Enclosed please find a \*\* Bank Draft/ Cheque No./NEFT details: .....

Dated: .....for Rs.....)

\*\* Please add GST @ 18 %

Thanking you,

Yours faithfully

Signature.....