



The Institution of Engineers (India)

97 years of Relentless journey towards Engineering Advancement for Nation Building



**Thirty third National Convention of
Electronics and Telecommunication Engineers
and National Seminar
on "Recent Advances in IoT"**

November 29-30, 2017 :: Hyderabad

Under the aegis of
Electronics and Telecommunication Engineering Division, IEI

Organized by

**The Institution of Engineers (India)
Telangana State Centre**

In association with

**Department of Electronics and Communication Engineering
SPHOORTHY ENGINEERING COLLEGE, Hyderabad**

Venue :

"Visvesvaraya Bhavan", Khairatabad, Hyderabad – 500 004, India

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of more than 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions 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 120 Centres located across the country. The Institution has established R&D Centres at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams.

For details, please see: **www.ieindia.org**

THE INSTITUTION OF ENGINEERS (INDIA), TELANGANA STATE CENTRE

The Telangana State Centre of the Institution of Engineers (India) has on its rolls more than 7584 Corporate Members covering fifteen disciplines of Engineering besides non-corporate Members to the order of 19791. The Telangana State Centre has been one of the most active Centres of the Institution of Engineers (India) which is engaged in successfully translating the objectives and ideals of IEI into practice. The present Telangana State Centre is legacy of erstwhile Hyderabad State Centre of Nizam's Hyderabad State.

SPHOORTHY ENGINEERING COLLEGE, HYDERABAD.

Sphoorthy Engineering College, Hyderabad is a NAAC Accredited, Recognized by UGC and ISO 9001:2015 Certified College.

Sphoorthy Engineering College, the renowned name for quality education is established in 2004, and it is an excellent college to study engineering in Hyderabad. The college is affiliated to JNTUH and it is approved by AICTE, New Delhi. The College takes the pride in turning thousands of students into sophisticated engineers. The high standards set by the College have paved way for their students to develop from the core level, and turn them into a competent workforce for the global corporate. Sphoorthy is considered as one of the top engineering colleges in Hyderabad as well as in Telangana State.

Their special emphasis on the teaching quality and infrastructure has made them a leading Engineering College in Hyderabad. They offer various courses in B.Tech, M.Tech, MBA and Diploma and provide special training to these students for achieving their professional goals. These trainings help the students to become competent engineers, which is an absolute requirement for the ever increasing demands of the industrial sectors. Sphoorthy Vision is to create a unique identity in the field of education in Engineering and technology driven by human values.

THEME OF THE CONVENTION:

Twenty First Century is witnessing a lot of technological developments. Internet of Things (IoT) is one such technological development. With reference to the Indian context, the IoT technologies are gaining importance due to ambitious programme of “Smart Cities Development” by Government of India.

Internet of Things (IoT) devices are likely to be developed by using different technologies and standards. Such IoT devices are being deployed in large numbers in various domains; thus, collaboration between standards bodies to provide interoperability is a key to the success of IoT.

Internet of Things (IoT) is a technology used to provide smarter services to users by connecting various devices connected to the Internet and allowing these devices to exchange information with each other. Many Internet of Things (IoT) platforms have been developed and deployed over the past decade. However, most platforms were implemented based on proprietary solutions or developed to solve specific domain problems. Therefore, there is a strong need to develop a standardized IoT platform to interconnect various proprietary platforms and provide common IoT services to users. To solve such interoperability issues, seven standard development organizations (SDOs) have initiated a global standards project, i.e., one M2M, creating scalable and interoperable IoT standards for communication of devices and services. The main aim of one M2M is to pursue a single horizontal service platform for exchanging and sharing

data among IoT applications that can be used in various industries providing smarter IoT services to users.

In this context, it is the need of the hour to propose a National Convention of Electronics and Telecommunication Engineers and a National Seminar on "Recent Advances in IoT"

OBJECTIVE:

The main objective of the Convention is to focus on various key IoT concepts including identification, sensors, localization, wireless protocols, data storage and security; helps in exploring IoT technologies, architectures, standards and regularization. It will also provide a platform for realizing the value created by collecting, communicating, coordinating and leveraging the data from connected devices and provides an opportunity to examine technological developments that will likely shape the industrial landscape in the future.

PROGRAMME MODULE:

The programme of the National Seminar will consist of Inaugural Function, Six Technical Sessions, Panel Discussion and Valedictory Function. Prof. S K Mitra Memorial Lecture will be delivered by an eminent expert from the fields of Electronics & Telecommunication Engineering and Computer Engineering. Experts from both industry and academia will deliver invited lectures on the following sub-themes of the National Seminar. Besides, a limited number of technical papers will be presented in the National Seminar.

Sub-themes

- Smart Energy Management using IoT
- IoT Technologies in Agriculture and Rural Development
- IoT for Solving global problems such as Climate, Education and Poverty
- Security aspects for IoT based systems–Challenges and Solutions
- IoT enabled Embedded Systems development
- IoT in air, space and defence applications
- IoT in transport, civilian & smart city applications.

CALL FOR PAPERS:

Technical Papers relevant to the theme of the Convention are invited from professionals in the above fields of engineering.

Each Technical paper contributed by an author may not exceed 5000 words, with relevant tables and figures (each table / figure shall be equivalent to 500 words) in MS word only.

DATES TO REMEMBER:

Receipt of ABSTRACT (not exceeding 500 words) Abstracts can be sent by e-mail also.	08.09.2017
Communication of Acceptance of Abstract	22.09.2017
Receipt of Full Text of Paper as per the Format	20.10.2017
Confirmation of Acceptance of Full Paper	31.10.2017

Dates of Convention 29-30 November, 2017

VENUE: The Institution of Engineers (India), Telangana State Centre
"Visvesvaraya Bhavan", Khairatabad, Hyderabad - 500 004. TS, INDIA
Phone: 040-23314969, email: ieitelangansc@gmail.com
telanganasc@ieindia.org | Website: www.ieitisc.org

PROGRAMME

29th November, 2017 (Wednesday)

0830 to 0930 hrs	REGISTRATION
0930 to 1100 hrs	INAUGURAL SESSION (including Keynote Address and Felicitations to Eminent Electronics and Telecommunication Engineers)
1100 to 1130 hrs	HIGH TEA
1130 to 1215 hrs	Prof. S K Mitra Memorial Lecture
1215 to 1300 hrs	State-of-the-Art-Lecture
1300 to 1400 hrs	LUNCH
1400 to 1530 hrs	Technical Session I
1530 to 1600 hrs	TEA
1600 to 1730 hrs	Technical Session II
1730 to 1830 hrs	Technical Session III
1830 to 1930 hrs	Cultural Programme
1930 hrs	Convention Dinner

30th November, 2017 (Thursday)

0930 to 1100 hrs	Technical Session IV
1100 to 1130 hrs	TEA
1130 to 1300 hrs	Technical Session V
1300 to 1400 hrs	LUNCH
1400 to 1530 hrs	Technical Session VI
1530 to 1600 hrs	TEA
1600 to 1700 hrs	VALEDICTORY SESSION

PARTICIPATION:

The National Convention of Electronics and Telecommunication Engineers and National Seminar on "Recent Advances in IoT" is an ideal platform for personnel working on IoT, Equipment Manufacturers, Consultants, Electronic Industries & Research Organisations, Academic Institutions and students of Engineering Colleges.

TECHNICAL VOLUME:

Technical Volume (size A4) will be brought out on this occasion for distribution to the delegates as well as to various related organizations across the country. The tariff of advertisements from various organizations for publishing in the Technical Volume is indicated below:

Back Cover (Outside) Multi Colour	Rs. 40,000/-
Front Cover (Inside) Multi Colour	Rs. 30,000/-
Back Cover (Inside) Multi Colour	Rs. 20,000/-
Full Page Multi Colour (Inside)	Rs. 15,000/-

REGISTRATION

Registration of Delegates will be made in advance by remitting the registration fee as indicated below along with the registration form and other requirements:

Corporate Member of IEI	Rs. 1,000/-
Non-Member (Individual)	Rs. 1,500/-
Sponsored Delegate from Industry/ Research Organizations	Rs. 2,500/-
Sponsored Delegates from Educational Institutions	Rs. 1,500/-
Technician / Senior Technician / Engg. College Students	Rs. 500/- with Kit
Technician / Senior Technician / Engg. College Students	Rs. 300/- without Kit

Tariff for sponsorship is given below :

Contribution	Privileges
Principal Sponsor	Rs. 2,00,000/-* 15 Delegates + Full page Advertisement on Art Paper in Multi-colour
Sponsor	Rs. 1,00,000/-* 10 Delegates + Inside full Page Advertisement on Art Paper in Multi Colour

Co-Sponsor	Rs.50,000/-*	5 Delegates + Inside Full Page Advertisement
Sponsoring one Lunch	Rs. 30,000/-	Sponsorship will be acknowledged by displaying banners indicating the names of Sponsors. They can also exhibit their products at the Seminar + One Delegate.
Sponsoring one Dinner	Rs. 50,000/-	
Delegate Kit	Rs. 50,000/-	
Tea after Inaugural Programme	Rs. 15,000/-	

* Sponsors Profile will be included one full page of Technical Volume

EXHIBITION:

An exhibition is also being organized with an aim to provide an opportunity to all Electronic Industries to exhibit their various products for the benefit of delegates and others.

10' x 10' space will be provided at a nominal amount of Rs. 20,000. For the Exhibitors, one inside (B & W) advertisement and one free delegate will be extended.

PAYMENTS: All payments are to be made through A/C payee cheque / RTGS/ NEFT

BANK ACCOUNT DETAILS:

1. Name of the Beneficiary : The Institution of Engineers (India)
Telangana State Centre
2. Name of the Bank & Branch : State Bank of India
PBB, Raj Bhavan Road Branch
Khairatabad, Hyderabad - 500 004
3. Account No. : 36001175962 / Current Account
4. IFSC Code : SBIN0004159

All Correspondence to be addressed to:

The Organizing Secretary

33rd NATIONAL CONVENTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

The Institution of Engineers (India)

Telangana State Centre

Visvesvaraya Bhavan, Khairatabad, Hyderabad – 500 004

Phone: 040-23314969 | Email: ieitelanganasc@gmail.com

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Head, Dept. of EEE

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Prof. and Head, Department of ECE
G. Narayanamma Institute of
Science and Technology, Hyderabad

REGISTRATION FORM

Thirty-third National Convention of Electronics and Telecommunication Engineers and National Seminar on "Recent Advances in IoT"

1. Name (Block letters)
2. Designation & Organization
3. Mailing Address :
4. Tel (O) (R)
5. Fax: email:
6. Organization / Company Sponsored Delegates / Member of IEI /
Engineering College Students (Strike off not applicable)
7. IEI Membership Grade & Number :
8. Registration Fee enclosed Rs.
Total amount enclosed Rs.
9. Mode of Payment: A/C Payee Cheque / RTGS / NEFT

Bank Account Details:

Name of the A/c: **THE INSTITUTION OF ENGINEERS (INDIA),
TELANGANA STATE CENTRE**

Bank Name & Address: STATE BANK OF INDIA,
PBB RB ROAD BRANCH, KHAIRATABAD, HYDERABAD – 500004
Current Account No.: 36001175962
IFSC CODE: SBIN0004159

Signature of delegate

Note: for addl. Registration, Xerox of this Form may be used.

All correspondence may be addressed to:

The Organizing Secretary / Hon. Secretary

**Thirty-third National Convention of Electronics and Telecommunication
Engineers and National Seminar on "Recent Advances in IoT"**

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