



## Department of Electronics and Telecommunication Engineering

### Technical Activities

Conducted Under

**IETE STUDENTS FORUM (ISF)**

Supported by

**Institution of Electronics and Telecommunication Engineers (IETE)**



### Report of ISF Program conducted from 1st July,2020 to 31st August, 2020

The All India Shri Shivaji Memorial Society's department of Electronics and Telecommunication Engineering had organized Webinars under IETE STUDENTS FORUM (ISF) Supported by Institution of Electronics and Telecommunication Engineers (IETE) on Following dates.

Sr No	Date	WEbinar Topoic	Name of Resource Person	Name of Company	Pho ne No	Mail Id	Name of Internal Staff	Partic ipants Class & Div
1	14/07/20	Industrial Automation and IoT	Mr.Jyotindra Chaudhary , Mr. Chinmay Kulkarni	MPTA Education Ltd	9404 0334 51	Chinmay.kulkarni@mpta.in	Deepali Yewale, Shobha Nikam	BE (A,B, C,D) Students
2	11/07/2020	Embedded Skill Development and IoT Applications	Mr. Balaji T. S	EdGate and TI university		balajits@gmail.com	Deepali Yewale	BE (A,B, C,D)
3	20/07/20	Importance of mental health & managing stress	Dr. Anuradha Harkare	Mind catalyst	8888 8930 63	anuradha.harkare@gmail.com	Mrs. Vineeta Philip	50 (Stu. & Staff)
4	25/07/2020	Why team work is essential	Mr Abrar A Hafiz	Flextronics Pvt Ltd	8148 9288 28	abrar.quality1@gmail.com	Ms S.O Ahire, Mrs H Magar	87 (Students & Staff)
5	09/08/2020	Importance of Electronics Engineers in Industry/Research Area	Mr. Saurabh Patil	R&D Head, Sagar Defence Engineer	8668 8101 71	Saurabh.patil29@gmail.com	Mr. M. P. Gajre, Mr. A. A. Chaudhari	50 (Students)

				ing Pvt. Ltd.				
6	14/08/ 2020	Industrial IoT	Mr. Manoj S. Kavedia,	Assit. Professor , Thadoma l Shahani Engineer ing college, Bandra, Mumbai	9324 2588 78	Ermanoj kavedia.t sec@gm ail.com	Mrs. Geeta Salunke, Ms Mamta Wanjare, Mr. D. A. Itole	TE (190 Stude nts & Staff)

1) Webinar was on “**Industrial Automation and IoT**” by Mr. Jyotindra Chaudhary, Senior Trainer and Entrepreneur, MPTA Education Ltd, Pune and Mr. Chinmay Kulkarni, Placement Executive, MPTA Education Ltd. Speakers started their session with history of automation and then explained roll of IoT in industrial automation. Various applications of IoT in automation including Internet-enabled devices like PLCs, Human Machine Interfaces (HMI), IP cameras and sensors. ... Analytics dashboard – For analyzing data and monitoring machines are briefly explained.



# AISSMS

INSTITUTE OF INFORMATION TECHNOLOGY

ADDING VALUE TO ENGINEERING



Department of Electronics & Telecommunication Engineering

in association with **MPTA Education Ltd.** and Supported by **IETE** organized a webinar on



## Industrial Automation and IoT

Date: 14th July 2020      Time: 12:15 pm to 2 pm      Mode: Cisco Webex

Speaker: Mr. Jyotindra Chaudhary, Senior Trainer and Entrepreneur, MPTA Education Ltd  
Mr. Chinmay Kulkarni, Placement Executive, MPTA Education Ltd

Registration Link: ➔ <https://forms.gle/zET9NqzvHJVLFu5UA>

Whats app group link: ➔ <https://chat.whatsapp.com/CsAIT27yzGLJS8pPLwTUBD>




Ms. Shobha S. Nikam  
Ms. Deepali M. Yewale  
Co-ordinator

Dr. M.P. sarley  
HOD, E&TC

Dr. P.B. Mane  
Principal

2) Expert talk was on "**Embedded Skill Development and IoT Applications**" by Mr. Balaji T. S. Embedded System Engineer ,EdGate Technologies Pvt. Ltd on 11th July 2020. He guided the participants for How to Utilize this time during this Pandemic ,What is Embedded Systems and why do we need an Embedded system, Characteristics of Embedded systems, Basic peripherals of a microcontroller ,How to choose a microcontroller for particular application, Skills to be possessed as an Embedded Engineer.

He also explored IoT , IoT Architecture ,What is Industry 4.0 Revolution?, What is Industrial IoT or IIoT?, Industry 4.0 Trends, Internet for Robotics Systems.

		<b>AISSMS</b> INSTITUTE OF INFORMATION TECHNOLOGY <small>ADDRESSING VALUE TO ENGINEERING</small> <small>Affiliated to Savitribai Phule Pune University (D.D. No. PU/P/19/1003/124/1998)</small> <small>Approved by AICTE, New Delhi and Recognized by Govt. of Maharashtra</small> <small>Accredited by NAAC with 'A' Grade</small>		
<b>Department of Electronics and Telecommunication Engineering</b> <i>in association with,</i> <b>EdGate Technologies and Texas Instruments University Program</b>				
<b>Invites You For a Webinar On</b> <b>Embedded Skill Development and IoT Applications.</b>				
<b>Date:</b> July 11 <sup>th</sup> , 2020   <b>Time:</b> 4:00pm 5:00pm <b>Mode:</b> Zoom App				
<b>Registration:</b> <a href="https://forms.gle/VndcpeiidhRQu9mg8">https://forms.gle/VndcpeiidhRQu9mg8</a> <b>Whatsapp Link:</b> <a href="https://chat.whatsapp.com/BHuaWbxQrlb6D4RUslY4H2">https://chat.whatsapp.com/BHuaWbxQrlb6D4RUslY4H2</a> <b>Zoom Link:</b> <a href="https://us04web.zoom.us/j/9232932045?pwd=eGloMFdEY2dvSzNSK1A4UGN2c2VQdz09">https://us04web.zoom.us/j/9232932045?pwd=eGloMFdEY2dvSzNSK1A4UGN2c2VQdz09</a>				
				
				<b>Mr. Balaji T. S.</b> Embedded System Engineer EdGate Technologies Pvt. Ltd.
<b>Regards</b>				
<b>Mr. Y. S. Gawade</b> Mr.A. H. More Student Co-Ordinators	<b>Prof. V. N. Ghodke</b> Faculty Co-Ordinator	<b>Prof. D. M. Yewale</b> Faculty Co-Ordinator	<b>Dr. M. P. Sardey</b> HOD E&TC Engg.	<b>Dr. P. B. Mane</b> Principal AISSMS IOIT

3) Expert talk was on ‘**Importance of mental health & managing stress**’ by Dr. Anuradha Harkare, Psychologist, Pune. Organized Under ISF & Supported by IETE.

The webinar started stating that mental health is as important as physical health. Many a times we fake that we are mentally well. There is a connection between mind and body. For anything that disturbs our mind we first need to speak out, seek help and will then be able to see the change in our behaviour. The signs indicating that we need to seek help are: unease withdrawal, feeling worthlessness, anxious, change in sleep cycle, confused thinking, suicidal thinking, excessive anger etc. Ways of look after mental health include get socially connected, eat well, exercise, prioritize tasks. The stress that we undergo can be positive or negative. One needs to train your mind to tackle stress.

4) “**Why team work is essential**” by Abrar Hafiz on 25 July 20 Time 11-12.30pm

In this webinar Mr. Abrar defined the term team work as a sense of unity. It’s an enthusiasm that a group of people shares for their common interests and responsibilities. He explains these 3 important benefits of teamwork, He explained below three terms.

a) New Ideas

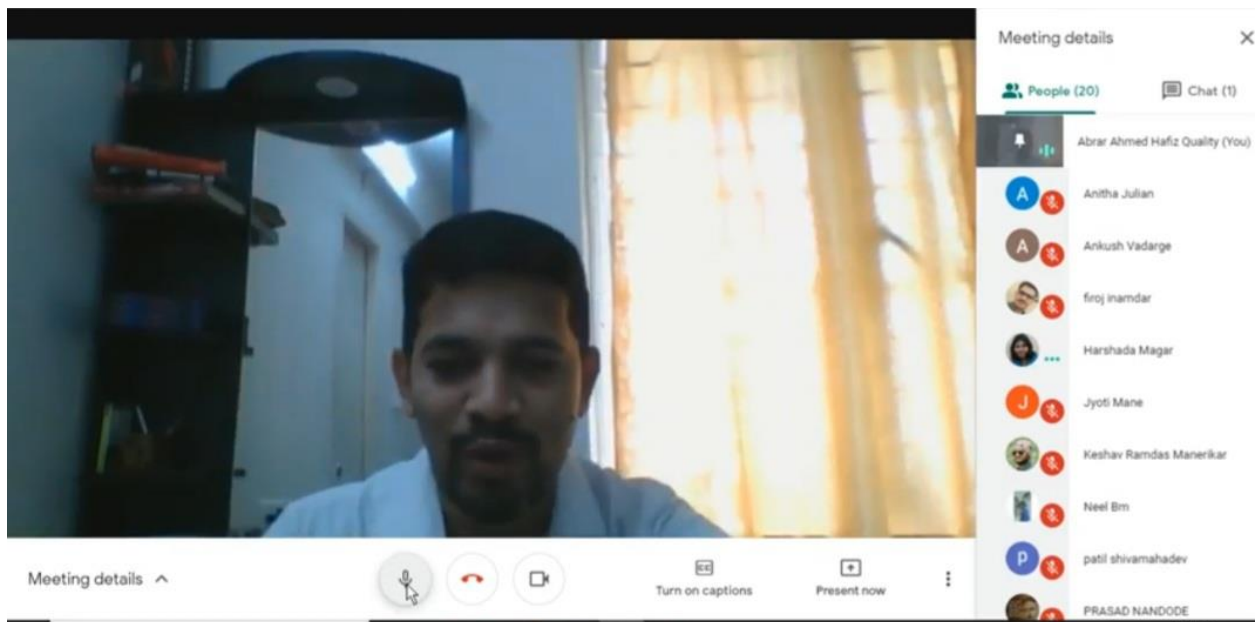
Teamwork among a diverse group of people will almost always reveal new, fresh ideas. And those new ideas are invaluable in today’s competitive business environment.

b) Improved Efficiency

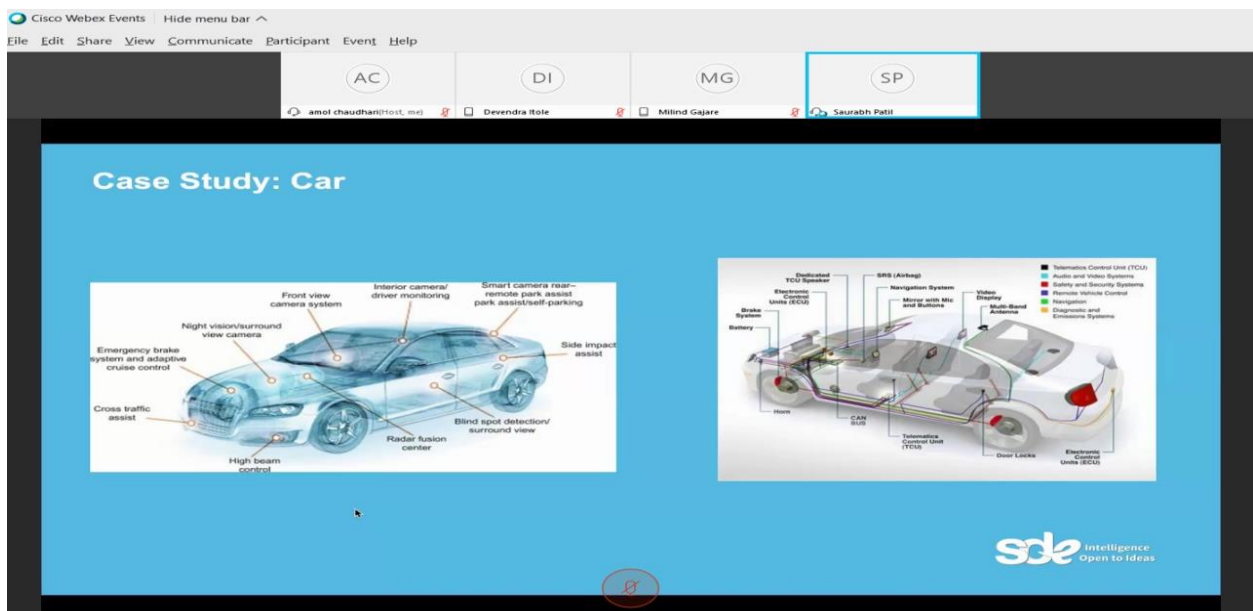
If you want to improve efficiency in your business, get your employees to work together. This will allow you to split difficult tasks into more manageable chunks and complete them faster. It’s also a great way to ensure that the person with the most skills is working on the part that suits him or her best.

c) Better Quality

The quality you expect from your project may be too much for one person to handle But with teamwork, you get the best that everyone has to offer. As a result, that equals higher quality on a more consistent basis because you’re not relying on only one person.



5) Expert talk was on **“Importance of Electronics Engineers in Industry/Research Area”** by Mr. Saurabh Patil, R&D Head, Sagar Defense Engineering Pvt. Ltd., Borivali (East), Mumbai. He shared his thoughts on current scenario of Electronics industry. He also mentioned what are areas that comes under Electronics industry. Also, he suggested the students about what are the required skills for Electronics industry.



6) Expert talk was on **“Industrial IoT”** by Mr. Manoj S. Kavedia, Assit. Professor, Thadomal Shahani Engineering college, Bandra, Mumbai. He shared his thoughts on Industrial Internet of Things, originally described the Internet of Things (IoT) as it is used across several industries, such as manufacturing (Industry 4.0), logistics, oil and gas, transportation, energy/utilities, mining and metals, aviation and other industrial sectors and the use cases which are typical to these industries.

The Industrial Internet of Things (IIoT) takes networked sensors and intelligent devices and puts those technologies to use directly on the manufacturing floor, collecting data to drive artificial intelligence and predictive analytics.

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INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS  
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**Department of Electronics and Telecommunication Engineering**

Invites you for a Webinar on:  
**Industrial IoT.**

Date: **14<sup>th</sup> Aug, 2020** || Time: **4:30 pm to 6:30 pm**  
Mode: **Microsoft Teams**

Registration Link: <https://forms.gle/shHlHgS4LuLyVQN59>  
Telegram Link: <https://t.me/joinchat/AAAAAFxDbmBCnRtd4up1Iz9Q>

**Speaker**

**Dr. Manoj S. Kavedia**  
Asst. Professor  
PhD –IoT, ME- Electronics

Mr. Y. S. Gawade  
Mr. D. M. Kopargaronkar  
Student Co-ordinators

Warm Regards

<b>Prof. G. D. Salunke</b> Faculty Co-ordinator	<b>Prof. M. R. Wanjare</b> Faculty Co-ordinator	<b>Prof. D. A. Itole</b> Faculty Co-ordinator	<b>Dr. M. P. Sardey</b> HOD E&TC Engg.	<b>Dr. P. B. Mane</b> Principal AISSMS IOIT
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**Internet of Things** MSK

What is Industry 4.0?

- C. Data Presentation & Storage**
  - Cloud
  - Condition Monitoring, OEE, Energy Consumption
  - Visualization (Trends, Real time data, Predictive modeling)
  - Global Access (Web / Computer / Mobile App)
- D. Control**
  - Actuators for control
  - Process Improvement
  - Remote Operations (for plant to operate even during lockdowns)
  - Remote Asset Management

Webinar: Industrial Internet of Things  
186 watching now - Started streaming 17 minutes ago

Top chat:

- valentin m... yes
- Shikhar Z... yes sir
- Tarun ch... yes
- ANISHA CHAKR... yes sir
- Rishabh T... yes
- Karan Mah... yes sir
- pratiksh... yes
- Tarun ch... yes
- Krishna B... yes sir
- Har Dab... Educational Channel... yes sir
- anishra m... yes sir
- Rishabh T... yes perfectly available in
- Geeta Salunke
- Yes sir

On the occasion of these Webinars which are Conducted Under ISF Supported by **Institution of Electronics and Telecommunication Engineers (IETE) Pune section. Dr. P. B. Mane, Principal AISSMS IOIT** addressed & **Dr. M. P. Sardey, HoD (E & TC Dept.)** gave Vote of Thanks every time to all Participants & Speaker.

**Prof. Geeta D. Salunke**  
PB Dept. Coordinator

**Dr. M. P. Sardey**  
PB Coordinator & HoD