



Ravi M Yadahalli &lt;yadahalliravims@gmail.com&gt;

**Regarding FDP dates**

no\_reply &lt;salalinfo@aicte-india.org&gt;

Tue, Jul 26, 2022 at 4:45 PM

Cc: AD Atal <adatal@aicte-india.org>, directoratal@aicte-india.org, 1-3107881 and HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT Women Entrepreneurship <saliticonsultan@aicte-india.org>, 1-3107881 and HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT Women Entrepreneurship <salihelpdesk@aicte-india.org>, advatal@aicte-india.org, itcatal@aicte-india.org  
Bcc: yadahalliravims@gmail.com

Dear Sir/Madam,

In regards to your FDP proposal has been accepted so you are requested to share the new date through the google form link mentioned below.

Note:- It is requested to share the dates of those fdp's that are showing accepted in the portal or you may check in the atal calendar attached below.

ATAL Calendar 2022-23:- <https://aicte-india.org/sites/default/files/ATAL%20Calendar-Final%20dedied%2022-07.pdf>

Google form link:- <https://forms.gle/8moMHIXG8ModvFCs7>

Thanks and Regards,

*AICTE Training and Learning (ATAL) Academy,  
All India Council for Technical Education  
Nelson Mandela Marg, Vasant Kunj,  
New Delhi- 110070  
Website : <https://www.aicte-india.org/atal>*

# All India Council for Technical Education

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

## Mandate Form for Institute/College/University/Other Organizations

1.	Name of the Beneficiary Institute	Methodist College of Engineering & Technology (Autonomous), Hyderabad
2.	Permanent ID of the Institute, if any	1-6667321
3.	Head of the Institute (Tick One)	Director-/Registrar- / Principal / Others (Pl. Specify)
4.	Type of Institute (Tick One)	Govt- / Govt-aided/ Self Finance / Private-ete
5.	Address of the Institute	# 4-1-1001, 4-1-1-45, 878-B4, 3-2, King Kot Road, Abids, Hyderabad – 500 001
6.	PAN, No. of the Institute	AAAT75754E
7.	GST No. of the Institute	..
8.	E-mail ID of the Head of the Institute	principal@methodist.edu.in
9.	Name of the Bank	State Bank of India
10.	Branch Name and Branch Code	Gunfoundry, Abids, Hyderabad & 20066
11.	Address of the Bank with PIN Code	Abids, Hyderabad – 500 001
12.	Telephone No. of the Bank	040-23387808
13.	Name of the Account Holder with Designation	The Principal, Methodist College of Engineering & Technology
14.	Account Type (Tick One)	Savings / Current
15.	Account Number	62124645585
16.	Bank Branch IFSC Code	SBIN0020066
17.	Bank Branch MICR Code	500002317
18.	Whether the Account is in the Name of Beneficiary Institute (Tick One)	Yes /No
19.	Whether the Account is Operational (Tick One)	Yes/ No
20.	Whether the account is a No-Frill Account(Tick One)	Yes/ No
21.	Whether the Account is Joint Account(if yes give details)	Yes/ No

It is declared that all information provided above are true and complete in all respects.

Signature of the Account Holder  
With Designation  
Or Authorised Signatory  
With Institute Seal

Date: \_\_\_\_\_



Certified that the above details are correct and true.  
(date) 18/07/2021  
(Banker's Signature with Seal)

K. MOHANA RAO  
S.S. No. 7731  
SBI, Gunfoundry, Abids, Hyderabad



... 5000 Hud) ...



METHODIST

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Osmania University

Accredited by NAAC with A+ and NBA for UG Courses

College Code: 1607

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 20/10/2022

To,  
The Principal  
Methodist College of Engineering and Technology  
Hyderabad

[THROUGH HOD, ECE]

Dear Sir

Sub: Request for Payment of 50% advance amount to Pragyatnika - Reg.  
Ref: ATAL FDP - Industrial IOT: Security Issues, Challenges and solutions sanction letter  
No. D.O. No. Adv/ATAL/2022/07/12 Dated 19<sup>th</sup> July 2022

With reference to above, we are conducting ATAL FDP on Industrial IOT: Security Issues, Challenges and solutions in hybrid mode during 26<sup>th</sup> December 2022 to 6<sup>th</sup> January 2023. In this regard, it is decided to have Pragyatnika as the Industrial Partner to conduct the hands on sessions during 2<sup>nd</sup> to 6<sup>th</sup> January 2023 in offline mode. Therefore, we request you to pay 50% of Rs. 1.77,000/- as advance to Pragyatnika.

This is for your kind approval.

Thanking you.

Yours faithfully

Prof. Ravi M Yadahalli

Dr. Srinivasa Baba

20/10/2022

ENCL: Budget expenditure for ATAL FDP

Submitted to  
Principal Sir  
for backward favour

RA  
20/10/22

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Th PO sent  
Nov 15  
Duan  
Confidential and be  
sent to HOD  
G/S

MARKOV

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING;****TWO WEEK FACULTY DEVELOPMENT PROGRAM ON  
INDUSTRIAL IOT: SECURITY ISSUES, CHALLENGES & SOLUTIONS****26th December 2022 to 6th January 2023****Estimate of expense for ATAL FDP**

Sl. No.	Details	Rate	Total	Remarks
1	Honorarium for experts (Online) for 6 Days (6 Sessions)	Rs.5000.00	Rs.30,000.00	1 <sup>st</sup> Week (December 26 to 31 2022)
2	Hands on sessions (Offline line) for 5 Days (10 Sessions)	Rs.1,77,000.00	Rs.1,77,000.00	2 <sup>nd</sup> Week (January 2 to 6 2023)
3	Refreshments and Lunch for participants	Rs.200/ person/ day	Rs. 50,000.00	50 Participants for 5 days
4	Inaugural and Valedictory expenses	Rs.20,000.00	Rs.20,000.00	
5	Miscellaneous	23,000.00	23,000.00	
	<b>Grand Total</b>		<b>Rs. 3,00,000.00</b>	

REKAR  
AICTE - SCRO, Hyd





# All India Council for Technical Education

(A Statutory Body under Ministry of HRD, Govt of India)  
Newson, Mahatma Marg, Vasant Vihar, New Delhi - 110079



## ACITE Training and Learning (ATAL) Academy, ( FDP)

Website: [www.acite-india.org](http://www.acite-india.org)

F.No. ACITE/SCRO/ATL FDP/2022-23-745

Date: 04.11.2022

To

THE PRINCIPAL / DIRECTOR,  
METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY,  
# 4-1-1001, 4-1-1-46, 878-84, 3-2, KING KOTI ROAD,  
ASRUS, HYDERABAD - 500001  
TELANGANA  
Mr. Ravi M Yadavalli (Coordinator)

**Sub: Release of a sum of Rs 3,00,000/- for ACITE Training and Learning (ATAL) Academy Blended/Hybrid FDPs/CPDPs.**

Sr.

This is to convey the sanction of the Council for payment of Rs. 3,00,000/- (Rupees Three Lakhs Only) for conduct of online ACITE Training and Learning (ATAL) Academy FDP/CPDP, under ACITE Training and Learning (ATAL) Academy.

This fund is being released in conformity with the terms & conditions, as well as norms of the scheme as already communicated, and also being communicated in this letter.

### The instructions/guidelines to be followed by University/Institution

#### 1. Release of funds and maintenance of accounts

- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The cost for conducting per programme will be Rs. 3,00,000/- as per detail given as under:

S.No	Particulars	Sanctioned amount for 2022-23 (for Blended FDPs/CPDP)
1.	Honorarium for Coordinator	Rs. 10,000/-
2.	Honorarium to Co-coordinator	Rs. 7,000/-
3.	Honorarium for Computer Operator	Rs. 1,000/-
4.	Honorarium for experts (Rs.5000/session for 14 sessions)	Rs. 70,000/-
5.	Provision for payment to Three Lab Technicians engaged during lab practices @ 5000/per programme per lab technician	Rs. 15,000/-
6.	T.A./DA to Experts engaging sessions (lump sum)	Rs. 32,000/-
7.	Refreshment & Lunch (Rs.350/head for 50 trainees for 5days)	Rs. 87,500/-
8.	One Book each for 20 participants as reward	Rs. 10,000/-
9.	Miscellaneous Charges (Petty expenses not covered above)	Rs. 5,500/-
10.	Hands on training material, Consumable items etc ( reimbursed on actual basis)	Rs. 62,000/-
<b>TOTAL =</b>		<b>Rs. 3,00,000/-</b>

Programs having permission to change amounts under different heads with overall ceiling of Rs.3.0 lakhs being intact.

c. The grant is subject to the adjustment on the bases of Utilization Certificate in the prescribed Proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be

RECEIVED  
ACITE - SCRO, Hyd

#### RESOURCE PERSONS

Sessions will be handled by eminent persons from reputed academic institutions and industries.

#### HOW TO APPLY?

The applicants should register at AICTE-ATAL web portal at the earliest.

Website: <http://www.aicte-india-org/atal>

#### ELIGIBILITY AND SELECTION

Assistant Professor/ Associate Professors from AICTE approved Engineering Colleges can apply. PhD Scholars/ PG Students/ Industry personnel can also apply. Selection is on "first come first serve" basis. Selection will be intimated and their selected participants should confirm their participation through e-mail and number of participants is limited to 50.

#### REGISTRATION:

- > No Registration Fee
- > NO TA/DA will be provided
- > Selected Participants should attend program for the entire duration through blended mode

#### ORGANIZING COMMITTEE

##### CHIEF PATRON

Shri. K Krishna Rao  
Correspondent and Secretary

##### PATRONS

Dr. M Lakshmiipathi Rao  
Director  
Dr. Prabhu G Benakop  
Principal

##### CO-ORDINATORS

Dr. Ravi M Yadahalli  
Professor, ECE  
+91 94803 88278

Dr. Srinivasa Baba V S N  
Professor, ECE  
+91 78939 08718

Address for Communication:  
The Co-ordinator

**FDP ON INDUSTRIAL IOT: SECURITY ISSUES,  
CHALLENGES & SOLUTIONS**  
Department of Electronics & Communication  
Engineering

Methodist College of Engineering and Technology,

Abids

Hyderabad – 500 001

E-Mail: [yadahalliravim@methodist.edu.in](mailto:yadahalliravim@methodist.edu.in)

Mobile: +91 93803 88278







**METHODIST**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**  
**(AUTONOMOUS INSTITUTION)**

(Approved by AICTE, New Delhi, Affiliated to Osmania University)  
Accredited by NBA and NAAC with A+ Grade

Estd: 2008

Date: 25/April/2022

To,  
The Director,  
AICTE Training and Learning (ATAL) Academies,  
All India Council for Technical Education, New Delhi

**Sub: Meth – Autonomous - Consent to organize blnded AICTE Training and Learning (ATAL)FDP at Methodist College of Engineering and Technology, Hyderabad**

Dear Sir,

I am pleased to consent to organize an **AICTE Training and Learning (ATAL) FDP** at our institute on **Industrial IOT: Security Issues, Challenges & Solutions** from 18/7/2022 to 29/7/2022. The proposed FDP, if approved, will be coordinated by Dr Ravi M Yadahalli.

This is also confirmed that maximum 5 best proposals are being consented from this institute as maximum 5 proposal are allowed for a year.

Sincerely,

  
Dr. Prabhu G Berakop  
Principal

**PRINCIPAL**  
**METHODIST COLLEGE OF ENGG. & TECH.**  
King Koti Road, Abids, Hyderabad



King Koti Road, Abids  
Hyderabad - 500 001, T.S. India  
Ph : 040 - 24753445, 24755999  
E-mail : principal@methodist.edu.in  
Website : www.methodist.edu.in



Methodist College of Engineering and Technology (I 6667321)  
 King Kothi Road, Abids, Hyderabad - 500001, Telangana

**UTILIZATION CERTIFICATE FOR THE FINANCIAL YEAR 2022-23**

Name of the Scheme under which Grant was sanctioned **ATAL FDP**  
 (to be submitted separately for each sanction order)

AICTE File No. : F.No. AICTE/MCRO/ATAL FDP/2022-23/745  
 Name of Co-ordinator : Dr Ravi M Yadavalli  
 Application No. : 165044799R  
 Title of the ATAL Programme : ATAL FDP on Industrial IoT: Security Issues, Challenges and Solutions

Sl. No.	AICTE Sanction Order/Letter No. & Date under which grant was sanctioned	Amount (Rs.)	
1.	D.O No. Adv/ATAL/2022/07/12 Dated 19 <sup>th</sup> July 2022	Rs. 3,00,000.00	Certified that out of the grant-in-aid of Rs. 3,00,000.00 (Rupees Three Lakhs) sanctioned by the AICTE during the financial year 2022-23 in favour of <b>The Principal, (Methodist College of Engineering and Technology)</b> as per letter mentioned in the margin, <b>Rs. 0.00 (Zero)</b> on account of unspent balance of previous year, <b>Rs. 0.00 (Zero)</b> on account of other income / receipts, a sum of <b>Rs. 3,00,000.00</b> has been utilized for the purpose for which it was sanctioned and the balance of <b>Rs. 0.00</b> remained unutilized at the end of the year.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

**Kinds of checks exercised:-**

- Audited Annual Accounts of the Institute
- Receipt and Payment account
- Periodical Progress Reports.

(1) Name, Signature & Address of the Claimant/Awardee/Coordinator with seal: Dr Ravi M Yadavalli, Professor, Department of ECE, Methodist College of Engineering and Technology, Abids, Hyderabad - 500 001

Signature of Chartered Accountant:  
 For Siva Krishna & Narayan  
 Name of Chartered Accountants  
 Membership No: **2106776** No. : 038835  
 Rubber stamp:  
 Full Address:  
 Date: **12/1/23** CA R.V.N. SASTRY

(3) Name and Signature of the Head of the Institution:

Dr. Prabhu G Benakop  
 Name & Designation of the Head of Institute:  
 Rubber stamp:  
 Full Address:  
 Date: **12-01-2023**

Signature of the Finance Officer/Accounts Officer:  
 Name of the Finance Officer/Accounts Officer:  
 (If it is Govt./Govt. Aided Institute)

PRINCIPAL  
 METHODIST COLLEGE  
 King Kothi Road, Abids, Hyderabad - 500001

Note:- If it is more than one page, each page must be signed in all annexure



SIVA KRISHNA & NARAYAN  
 CHARTERED ACCOUNTANTS  
 500 001  
 Hyderabad - 500 001  
 Telangana

**AICTE ATAL Academy FDPs -Coordinator Checklist (FDP Dates: 18/7/2022 to 29/7/2022)  
Coordinator Name Dr Ravi M Yadahalli, Date Submitted 25/4/2022**

No.	Item	Date	Checkoff
<b>I. Pre FDP</b>			
1	Review ATAL FDPs Thrust Area, Concept document with FDP Types, and Scheme Document from the AICTE ATAL Portal	2 <sup>nd</sup> March 2022	✓
2	Select FDP topic in alignment with your Area of Expertise and Experience	10 <sup>th</sup> March 2022	✓
3	Develop a Proposal for your FDP topic highlighting Objective, List of sessions, Target audience, Possible dates (2 consecutive weeks), and select a Co-Coordinator	20 <sup>th</sup> March 2022	✓
4	Identify required number of Reputed Journal Articles for your FDP: Basic FDP - 2 articles, Advance FDP - 3-4 articles, Leadership FDP - 3-4 articles	25 <sup>th</sup> March 2022	✓
5	Identify potential Resource Persons with Expertise and Experience from Academia, Industry, and Alumni	28 <sup>th</sup> March 2022	✓
6	Specify 2nd Week Practical Experience Activities as appropriate for your FDP	4 <sup>th</sup> April 2022	✓
7	Identify FDP Learning Management Platform (LMP) for week 1 (Google Meet, MS Teams, WebEx, Zoom, etc.)	4 <sup>th</sup> April 2022	✓
8	Inform your institute leaders about submission of your FDP for their involvement when the FDP gets approved	4 <sup>th</sup> April 2022	✓

<b>II. FDP Approval and Prior to Delivery</b>			
1	Confirm identified Resource Persons from Academia, Industry, and Alumni	10 <sup>th</sup> April 2022	✓
2	Collect Resource Person's brief Abstract, Bio, Photo, Bank information	15 <sup>th</sup> May 2022	✓
3	Develop FDP Brochure and Poster including specific session topic assigned to Resource Persons including their photo	25 <sup>th</sup> May 2022	✓
4	Collect presentation file from all Resource Persons one week in advance of FDP start date	1 <sup>st</sup> June 2022	✓
5	Create a FDP joining link using the selected LMP	15 <sup>th</sup> July 2022	✓
6	Submit FDP Brochure and Poster into the ATAL Portal	15 <sup>th</sup> July 2022	✓
7	Screen prospective FDP attendees per ATAL FDP Guidelines	15 <sup>th</sup> July 2022	✓
8	Create a Final list of approved attendees	17 <sup>th</sup> July 2022	✓
9	Create teams with 5-6 members from approved attendees	17 <sup>th</sup> July 2022	✓
10	Distribute your FDP articles with Article Summary template and Reflection Journal template to approved attendees	17 <sup>th</sup> July 2022	✓
<b>III. During FDP</b>			
1	At each session formally introduce Resource Person	At the beginning of each session	✓ ✓
2	Acknowledge AICTE ATAL Academy FDP Expert Peer Reviewer when they join	As and when they join	✓ ✓
3	Monitor sessions for attendance, engagement with productive discussions	Every Session	✓ ✓
4	Encourage Q&A through chat box as session is being	Every Session	✓ ✓

	recorded			
5	At the end of each session provide a 2-3 min Recap of Learnings	At the end of every Session	✓	✓
6	Present a virtual memento to Resource Persons	At the end of every Session	✓	✓
7	Ensure good time management during each session	Every Session	✓	✓
8	At the last session, conduct necessary assessments specified by ATAL FDP Guidelines	At the end of Last Session	✓	✓
9	Ensure attendance and feedback are captured in the ATAL Portal	29th July 2022	✓	✓
<b>IV. Post FDP</b>				
1	Review ATAL FDP Scheme document for financial transactions – Honorarium by wire transfer to Resource Persons <b>within Two Weeks after completion of FDP</b>	9th August 2022	✓	✓
2	Send out Appreciation Certificate to Resource Persons including any digital memento	9th August 2022	✓	✓
3	Complete Assessment of all attendees per FDP Framework concept document	7th August 2022	✓	✓
4	Send out completion certificates to attendees who successfully complete FDP - 70-89% Passing Certificate, 90% and above Certificate with Distinction	7th August 2022	✓	•
5	Create a Summary Document highlighting the FDP, Major Learnings, key points from the Reflection Journal, Passing rate, Presentation files, Session Recordings, etc. within 4 weeks after FDP completion	9th August 2022	✓	•
6	Upload your summary document in ATAL Portal by the 4th week of FDP completion	20th August 2022	✓	•



# METHODIST

COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Osmania University


**Accredited by NAAC with A+ and NBA for UG Courses**


College Code: 1607

**AICTE Sponsored Two-Week ATAL FDP on Industrial IOT: Security Issues, Challenges and solutions**

Date	Time Slot	Topic	Resource Person
26 <sup>th</sup> Dec 2022	7.00 to 9.00 PM	Introduction to Industrial IOT and Industry 4.0	Dr. Vijender B Reddy, Scientist, ISRO
27 <sup>th</sup> Dec 2022		Security in Industrial IOT	Dr Rashmi Sahay, Faculty of CSE, The ICFAI Foundation for Higher Education, Hyderabad
28 <sup>th</sup> Dec 2022		Industrial IOT Protocols	Dr Atul Negi, Professor, UOH
29 <sup>th</sup> Dec 2022		Microcontrollers for Industrial IOT implementation	Mr. Amit Kumar, Pragytika, New Delhi
30 <sup>th</sup> Dec 2022		Industry 4.0 and smart Systems	Dr. Maruthi Pathapati - Founder Director - Vidcentum Automation
31 <sup>st</sup> Dec 2022	Will be preponed to 6 PM	Cloud Communication Architecture and WSN for Industrial IOT	Prof L Nirmala Devi, Professor, Department of ECE, Osmania University, Hyderabad

  
Prof Ravi M Yadahalli  
Coordinator, ATAL FDP

  
Prof. Srinivasa Baba  
Co-coordinator, ATAL FDP

  
Dr. B. Krishna Kumar  
HOD, ECE  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ECE  
METHODIST COLLEGE OF ENGG. & TECH  
ABIDS, HYDERABAD.

#### RESOURCE PERSONS

Sessions will be handled by eminent persons from reputed academic Institutions and Industries.

#### HOW TO APPLY?

The applicants should register at AICTE-ATAL web portal at the earliest.

Website: <http://www.aicte-india-org/atal>

#### ELIGIBILITY AND SELECTION

Assistant Professor/ Associate Professors from AICTE approved Engineering Colleges can apply. PhD Scholars/ PG Students/ Industry personnel can also apply. Selection is on 'first come first serve' basis. Selection will be intimated and selected participants should confirm their participation through e-mail and number of participants is limited to 50.

#### REGISTRATION:

- > No Registration Fee
- > NO TA/DA will be provided
- > Selected Participants should attend program for the entire duration through blended mode

#### ORGANIZING COMMITTEE

##### CHIEF PATRON

Shri. K Krishna Rao  
Correspondent and Secretary

##### PATRONS

Dr. M Lakshmi pathi Rao  
Director  
Dr. Prabhu G Benakop  
Principal

##### CO-ORDINATORS

Dr. Ravi M Yadahalli  
Professor, ECE  
+91 94803 88278

Dr. Srinivasa Baba V S N  
Professor, ECE  
+91 78939 08718

Address for Communication:  
The Co-ordinator

#### FDP ON INDUSTRIAL IOT: SECURITY ISSUES, CHALLENGES & SOLUTIONS

Department of Electronics & Communication Engineering

Methodist College of Engineering and Technology,  
Abids

Hyderabad – 500 001

E-Mail: [yadahalliravi@mehodist.edu.in](mailto:yadahalliravi@mehodist.edu.in)

Mobile: +91 93803 882 78

DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING

## TWO WEEK FACULTY DEVELOPMENT PROGRAM ON INDUSTRIAL IOT: SECURITY ISSUES, CHALLENGES & SOLUTIONS

18.07.2022 to 29.07.2022

Sponsored by  
AICTE Training and Learning (ATAL) Academy  
(Waiting for approval)



## ABOUT THE COLLEGE

Methodist College of Engineering and Technology (MCET) was established in the year 2008 on a sprawling 5 acres of historic Methodist campus at Abids, Hyderabad. MCET is approved by AICTE, New Delhi and affiliated to Osmania University, Hyderabad. The institute is accredited by NAAC with A+ Grade and all eligible Undergraduate – BE Programmes are accredited by National Board of Accreditation (NBA). The UGC has granted autonomy to the college for ten years with effect from Academic Year 2021-22.

Since its inception, MCET has grown into a vast conglomerate of magnificent buildings, state-of-the art and sophisticated laboratories, internet centers, modern library and a superlative sports complex. MCET is an ISO 9001: 2015 Certified institution.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 2008. The department is accredited by the National Board of Accreditation. The dedication of our faculty and the keen interest exhibited by our students has produced a commendable academic record with good number of placements.

The department inculcates R & D acumen among the faculty and students. They are encouraged to implement their innovative ideas for the benefit of the society.

## FDP THEME

The exponential growth of Industrial IoT is on track with recent predictions. And as we head toward a world with over 75 billion connected devices by 2025, almost a third will be utilized in industrial applications within manufacturing. But as the opportunities within this market – particularly in cloud-based, third-party service providers – continue to expand, one issue stands out less as a barrier to growth than it is a red flag not to be ignored. That red flag is the ever-present requirement of security.

With each passing week, there's a new story covering breaches of data in much larger databases than before and at companies thought secure from such intrusions. Equally distressing are the cases where companies have stored or used the data collected in ways never intended by the people and businesses who entrusted them with the data to begin with. And with device proliferation gaining speed, the problem may get worse before it improves.

During the FDP, we propose to discuss common vulnerabilities for Industrial IoT networks as well as how you can address these vulnerabilities to ensure the safety of your network and business.

Many businesses already have weak or improper security in place to begin with, which places a strain on IoT providers supplying both services and devices. More than 50% of all critical infrastructure operators utilize outdated Microsoft software and a full 40% of all industrial sites are using the public internet.

This puts machine infiltration as a key risk as devices proliferate, meaning that sophisticated hackers could conceivably gain access to an entire factory and either severely disrupt or damage its production capabilities for a lengthy period. It could also pose physically dangerous conditions as a direct or indirect result of an intrusion.

Legacy security is also a concern. One of the key value propositions for Industrial IoT deployment is that legacy equipment can be retrofitted with IoT devices. This allows longer equipment lifecycles and full integration for building out a smart factory without triggering expensive capital equipment purchases. But the choice must be made alongside a careful consideration of which devices can be properly secured for use within the system, a skillset that a company may not have and one it may not realize it needs.

The Faculty Development Programme (FDP) is planned to deliver key understanding and hands on to learn real world application scenarios of IIOT along with its security aspects using various case studies. As a part of the FDP, industry and academician turnarounds shall share best practices and techniques to help.

FDP - 2021-22									
Sl. No.	Name of the Faculty	Topic	Duration	Mode	Remarks	Sl. No.	Name of the Faculty	Topic	Duration
1	Dr. S. S. Srinivas	Industrial IoT Security	01/08/2021	Online		11	Dr. S. S. Srinivas	Industrial IoT Security	01/08/2021
2	Dr. S. S. Srinivas	Industrial IoT Security	02/08/2021	Online		12	Dr. S. S. Srinivas	Industrial IoT Security	02/08/2021
3	Dr. S. S. Srinivas	Industrial IoT Security	03/08/2021	Online		13	Dr. S. S. Srinivas	Industrial IoT Security	03/08/2021
4	Dr. S. S. Srinivas	Industrial IoT Security	04/08/2021	Online		14	Dr. S. S. Srinivas	Industrial IoT Security	04/08/2021
5	Dr. S. S. Srinivas	Industrial IoT Security	05/08/2021	Online		15	Dr. S. S. Srinivas	Industrial IoT Security	05/08/2021
6	Dr. S. S. Srinivas	Industrial IoT Security	06/08/2021	Online		16	Dr. S. S. Srinivas	Industrial IoT Security	06/08/2021
7	Dr. S. S. Srinivas	Industrial IoT Security	07/08/2021	Online		17	Dr. S. S. Srinivas	Industrial IoT Security	07/08/2021
8	Dr. S. S. Srinivas	Industrial IoT Security	08/08/2021	Online		18	Dr. S. S. Srinivas	Industrial IoT Security	08/08/2021
9	Dr. S. S. Srinivas	Industrial IoT Security	09/08/2021	Online		19	Dr. S. S. Srinivas	Industrial IoT Security	09/08/2021
10	Dr. S. S. Srinivas	Industrial IoT Security	10/08/2021	Online		20	Dr. S. S. Srinivas	Industrial IoT Security	10/08/2021