# Best Practice 1:

**Title:** Alumni Engagement for Holistic Student Development

**Objectives of the Practice:**

- Strengthen alumni relationships with the institution.
- Provide students with insights into industry trends and higher studies.
- Encourage student participation in diverse activities for overall growth.
- Foster a mentoring culture, where alumni and teachers guide students in career and personal development.

**The Context:** Engaging alumni helps bridge the gap between academia and the professional world. Alumni bring real-world experience, providing students with practical knowledge and career advice. Their involvement enhances student understanding of how academic experiences translate into professional growth.

**The Practice:** Alumni are invited to share their experiences and technical expertise through interactive sessions. They guide students on preparing for higher studies, leveraging campus activities, and the benefits of interdisciplinary exposure. Alumni, along with teachers, also mentor students, shaping their academic and career journeys.

**Evidence of Success:** These sessions have been well-received by students, resulting in increased participation in campus activities, improved academic performance, and a clearer understanding of career pathways. Many students have credited alumni interactions with influencing their decisions on higher education and career choices.

**Problems Encountered and Resources Required:** Challenges include scheduling alumni sessions due to their busy professional commitments and need to schedule online sessions where in-person sessions aren't possible.

# Best Practice 2:

**Title:** Sustainability Projects with IEEE SiG Partnership

**Objectives of the Practice:**

- Promote sustainability through academic-industry collaboration.
- Develop practical solutions for water management and carbon footprint reduction.
- Engage students in real-world projects that address environmental challenges.
- Contribute to global sustainability efforts by applying innovative technology.

**The Context:** Sustainability is a critical issue worldwide. By partnering with IEEE SiG on "Energy and Environmental Engineering," we aim to equip students with skills and knowledge to work on real-life problems like water leakage and carbon footprint, aligning with global environmental goals.

**The Practice:** Our students are working on two key projects:

- **Automatic Water Leakage Detection and Monitoring System:** This project involves developing a system that uses sensors to monitor water usage and detect leaks in real-time in hostel building, reducing wastage and potential damage.
- **EcoSense: Quantifying Your Carbon Footprint:** This project focuses on creating a carbon footprint calculator that measures energy consumption, transportation, and lifestyle choices, providing personalized recommendations to reduce carbon emissions.

**Evidence of Success:** Both projects have made significant progress in terms of design and implementation. For both the projects, real time testing is going on.

**Problems Encountered and Resources Required:** Technical challenges in sensor accuracy and data integration were encountered in the water leakage system. For both projects, financial resources for hardware, software, and testing are crucial.

# INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

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# Department of Electronics and Telecommunication

## Academic Year 2023 - 2024
## SEM- II

# Alumni Interaction/Activity Report on Career Development and Opportunities

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## Report on Alumni Interaction/Activity

## Organized by

## Department of Electronics & Telecommunication

1. **Program type:** Alumni Interaction/ Activity on Career Development and Opportunities

2. **Date & Time:** 15/02/2024 & 11.00 am – 12.00 pm

3. **Venue:** A-305

4. **No. of students registered/appeared:** 128

5. **Target students:** SE E&TC, TE E&TC, BE E&TC

6. **Fee Details:** No

7. **Instructor details:** Mr. Abhishek Kulkarni

    Security Engineer

    BigZero Technology, Pune**.**

    abhishek.kulkarni@bigzerotechnology.com,  9226950543

8. **Objectives:**

    1) To make employees adaptable to changes.
    2) To increase employees' loyalty and commitment to the organizations.
    3) To maintain harmonious industrial relations.
    4) To inculcate equitable employment practices providing equal career progression opportunities to women and minorities.

9. **Outcomes:**

    1) Learning outcomes are designed to help students identify their interests and strengths.

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2) Expose them to a diverse range of opportunities to build experience and clarity about their goals.

3) Empower them to pursue internships, jobs and leadership experiences they find personally meaningful.

**Activity Description:**

Department of Electronics and Telecommunication is organizing the Alumni Interaction/activity on 15/02/2024 at I²IT, Pune for SE E&TC TE E&TC, BE E&TC students on "Career Development and Opportunities". The time of the activity is from 11.00 AM TO 12.00 PM.

**Photo gallery:**



Image 1: Introduction of Alumni (Mr. Abhishek Kulkarni)

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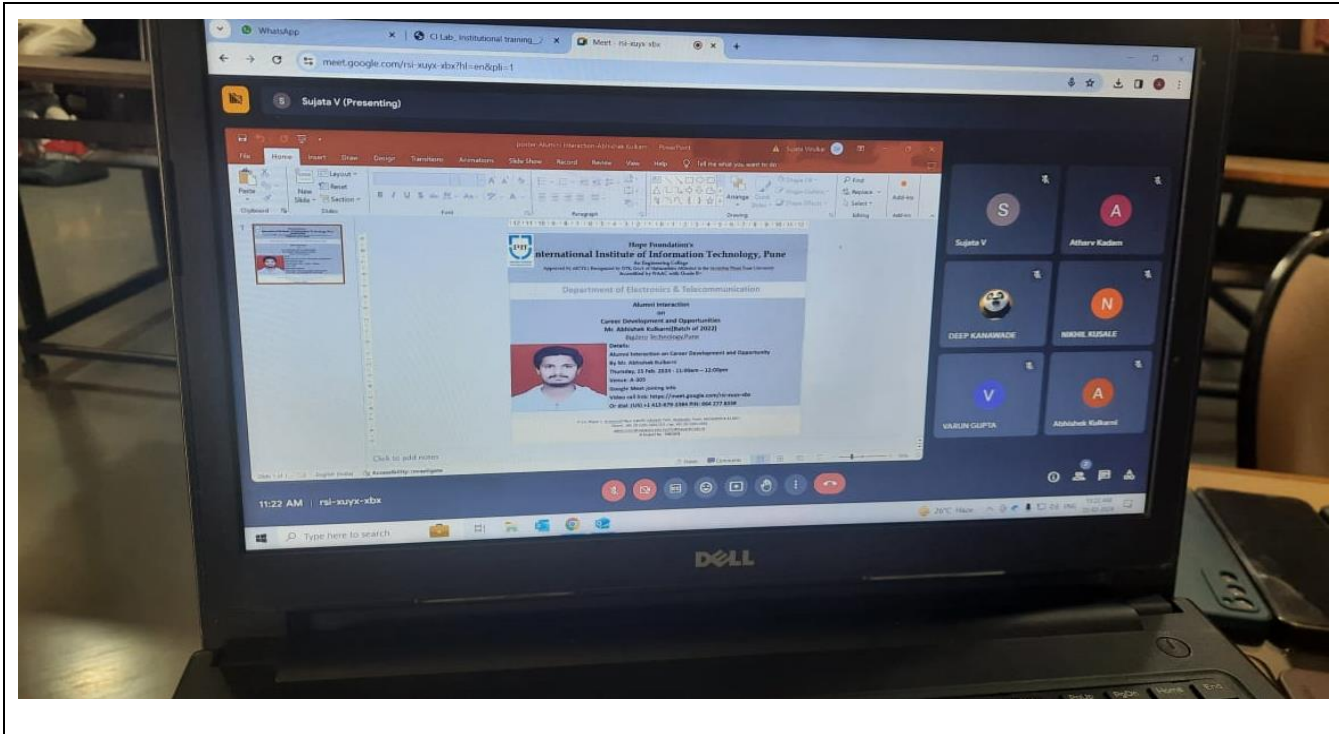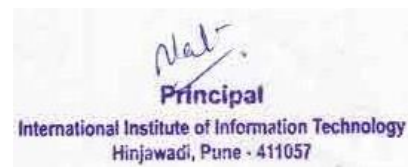
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Image 2: Introduction of Alumni (Mr. Abhishek Kulkarni ) ONLINE MODE



Image 3: Addressing to Students about Career Development

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Image 3: Addressing to Students about the project Mr. Abhishek Kulkarni

Principal
International Institute of Information Technology
Hinjawadi, Pune - 411057

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## Alumni Session on "<u>Data Analytics and visualization using Tableau</u>"

**Academic Year:** 2023-24

**Name of the Event:** Session on **"Data Analytics and visualization using Tableau"**

**Date & Time of the Event:** 15th April 2024

**Name of the Speaker:** Mr. Sanket Londhe

**Designation:** M.Tech in Data Science & Analytics at MIT World Peace University
**Name of the Company / Institution with Address:** Concentrix Daksh Services India Pvt. Ltd. ,Pune

**Targeted Audience:** TE Comp

**Venue:** Offline

**Event Coordinator:** Prof.Raksha Naidu

**Number of Participants:** 121

**Activity Description in Nutshell:** This Guest lecture on "Data Analytics and visualization using Tableau" was organized by the Department of Computer Engineering for TE students on 15th April 2024.
This Guest session was conducted by our Alumni Mr. Sanket Londhe who completed M. Tech at MIT World Peace University. Purpose of this session was to make students familiar with data visualization tool "Tableau" used in feature engineering and Data Science field. Mr. Sanket explained how Data visualization tool widely used for Business Tableau is a highly popular tool for visualizing data for two main reasons: it's easy to use and very powerful. You can connect it to lots of data sources and create all sorts of charts and maps.It was a full hands on session. Following softwares such as SQL Server Management Studio, SQL Server Express (Download Express version, refer SS), Access Database Engine component, Tableau Desktop (Download, Install and start a 14 day free trial) were used in session. Participants were eager to have more hands on sessions like this.

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**Event Photos:**

## **Introduction to Data Visualization tools**

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Mr. Sanket Londhe introducing concept of Data Visualization with real time examples and demonstrating installation of software required for hands on session.

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# Alumni Session on Civil Service and its Preparation

**Academic Year:** 2023-24

**Name of the Event:** Alumni Session on Civil Service and its Preparation"

**Date & Time of the Event:** 7th February 2024

**Name of the Speaker:** Mr. Ashok Kumar

**Designation:** Para commando (Special Force)

**Name of the Company / Institution with Address:** Indian Army

**Targeted Audience:** SE Comp, TE comp

**Venue:** Convention Center

**Event Coordinator:** Prof. Ashwini Jarali

**Number of Participants:** 102

**Activity Description in Nutshell:** This Event was organized by the Department of Computer Engineering for Second year and Third year students on 7th February 2024.

**Mr. Ashok Kumar** has joined Indian Army in 2018 after completing his BE from Department of Computer Engineering, I2IT. Purpose of this event was to make students aware of civil service preparation and procedure that is followed in selection process for engineering students. He shared his training experiences and what were his preparations. Students were highly motivated, and they asked many queries in person also. It was a proud moment when he shared how he is providing his service in India-Chine border for last 2yrs. He expressed the importance of joining Indian army and how it brings a proud and respect to him, his family, and the society.

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**Event Photos:**



**Mr. Ashok Kumar introducing about selection process to students**



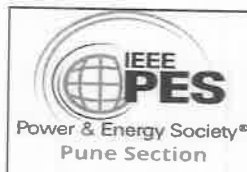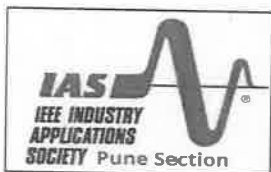| | |
|---|---|
| **Students asking queries about selection procedural** | **Students attentively listening to Ashok Kumar** |

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| | |
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| **Students asking questions personally** | **Token of Appreciation by Department of Computer Engineering** |

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# PARTNERSHIP AGREEMENT

## "Special Interest Group on Energy and Environmental Engineering"

Between

PES Chapter, IEEE Pune Section

And

Hope Foundation's
International Institute of Information Technology (I²IT)

P-14, Phase 1, Hinjawadi Rajiv Gandhi Infotech Park, Hinjawadi, Pune, Maharashtra 411057

महाराष्ट्र MAHARASHTRA     ◐ 2023 ◑     CN 047158

अनु. क्र. ......... ६००२ ....... दि. २५।५।२४ ...... मु.मु.रक्कम ५००

दस्ताचा प्रकार     M O U

दस्त नोंदणी करणार आहेत का ? होय / नाही

मिळकतीचे वर्णन

मुद्रांक ......     IEEE Pune section, PES-IAS chapter pune

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**Hope Foundation's**
**International Institute of Information Technology**
Hinjewadi, Pune-411057

दुसऱ्या पक्षकाराचे ....

हद्द व्यक्तीचे नाव व पत्ता

(Rbkhet.)     डॉ. अंजली दिपक दिवेकर
परवाना क्र. २२०११७
, हिंजवडागांव, पुणे

पूद्रांक विक्रत घेणाऱ्याची सही

**(stamp)** 20 MAY 2024

प्रथम मुद्रांक लिपीक
कोषागार पुणे करिता ।

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding made on this 25th May 2024 at Pune

BETWEEN

**IEEE Pune Section**
**Pune, MAHARASHTRA**

AND

**International Institute of Information Technology (I²IT)**

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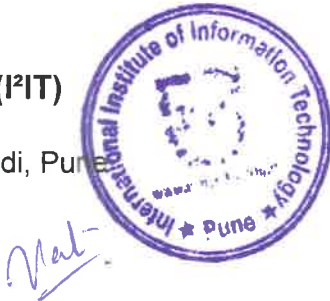
**WHEREAS**

The Parties hereto, recognizing the benefits of establishing collaborative academic links, wish to strengthen the ties between their respective institutions by entering into this Memorandum of Understanding ("MoU").

**NOW IT IS HEREBY AGREED:**

## 1. PURPOSE

The purpose of this MoU is to develop co-operation and collaboration between IEEE Pune Section, Pune, PES-IAS Chapter of IEEE Pune Section and International Institute of Information Technology ($I^2IT$) ($I^2IT$) Pune in undertaking various programs and projects to further the aims of the Parties

## 2. OBJECTIVES

In furtherance of this purpose the Parties agree to develop the following activities in collaboration in areas of mutual interest:

2.1 Identifying and developing student-projects in the area of Energy, Energy Management, Energy Conservation, Energy Efficiency, Environment, Climate Change, Sustainability, Carbon Neutrality, E-Waste management, Circular Economy and related domain areas.

2.2 Identifying opportunities for conducting events, lectures, courses, seminars, workshops, training and organizing competitions, symposia, exhibitions etc. in the space of Energy and Environmental Engineering

2.3 Exchanges of academic information and materials

2.4 Promoting academic and R&D co-operation and collaboration as mutually agreed.

Collaboration will focus upon but will not be limited to domains specified in 2.1 but can cover broader spectrum. Similarly, the collaborative activities will cover but will not be limited technologies such as AI, ML, IoT, Big Data, Analytics, Deep Learning, Developing APPs etc.

## 3. Contribution from IEEE team

3.1. Building ecosystem of experts from Energy and Environmental Engg. Background of Information

3.2. Providing technical support in organizing events/exhibition etc. at colleges

3.3. Conducting regular meetings with partner-colleges and members of SiG EEE

3.4. Supporting partner-colleges to create a summary report

3.5. Providing required branding and visibility to the efforts of partner-colleges and institutes

3.6. Acknowledging the partner-colleges, students, faculty members and institutes with moment and certificates

## 4. Contribution from the institute

The International Institute of Information Technology (I²IT) proposes to work on the following projects

### 4.1 Automatic Water Leakage Detection and Monitoring System

Water leakage poses a significant threat to infrastructure, causing property damage, water wastage, and financial losses. An Automatic Water Leakage Detection and Monitoring System offers a proactive solution to this problem by continuously monitoring water usage and promptly identifying leaks. This project will offer an approach to addressing water leakage issues, enabling prompt detection and mitigation of leaks. By leveraging advanced sensors, data analytics, and remote monitoring capabilities, the system aims to minimize water wastage, reduce property damage, and improve overall water infrastructure management.

### 4.2 EcoSense: Quantifying Your Carbon Footprint for Sustainable Future

In the face of climate change and environmental degradation, there is an urgent need for individuals and organizations to understand and mitigate their carbon footprint. EcoSense proposes the development of a comprehensive carbon footprint calculator, empowering users to quantify their environmental impact and adopt sustainable practices. This project aims to raise awareness, promote eco-conscious behavior, and contribute to the global effort towards a sustainable future.

## 5. APPROVALS

The development and implementation of specific activities developed under this MoU will be the subject of formal written agreements negotiated and entered into separately, which will deal with the financial arrangements, confidentiality, ownership and use of intellectual property, publication of articles or other work and other relevant matters.

## 6. VARIATION

This MoU may only be amended by a written agreement signed by a duly authorized representative of each Party.

## 7. DURATION

This MoU shall commence on the date of its execution by the last Party to sign and shall remain in force for a period of three years. Each Party shall review the status of the MoU at least six months before the end of the three-year period to determine whether it wishes the MoU to continue and, if so, whether any modifications are required. The period of validity of this MoU may only be extended by the mutual written consent of both Parties.

## 8. TERMINATION

Either Party may terminate this MoU by giving three months' notice in writing to the other. The termination of this MoU shall not affect the implementation of any specific activities established under it prior to such termination.

## 9. CHARGES AND LIABILITIES

9.1. It is understood that the implementation of any of the types of co-operation stated in Clause 2 shall depend upon the availability of resources and financial support of the Parties concerned.

9.2. Except as otherwise provided or agreed, the parties shall each bear their own costs and expenses incurred in complying with their obligations under this MoU.

9.3. Both parties shall remain liable for any losses or liabilities incurred due to their own or their student's pr employee's actions and neither party intends that the other party shall be liable for any loss it suffers as a result of this MoU.

## 10. STATUS

10.1. This MoU is not intended to be legally binding, and no legal obligations or legal rights shall arise between the parties from this MoU. The parties enter into the MoU intending to honour all their obligations.

10.2. Nothing in this MoU is intended to, or shall be deemed to, establish any partnership or joint venture between the parties, constitute either party as the agent of the other

party, nor authorise either of the parties to make or enter into any commitments for or on behalf of the other party.

## 11. GOVERNING LAW AND JURISDICTION

11.1. Both Parties agree that staff and students of either institution engaged in activities under this MoU shall carry out these activities in accordance with all applicable laws and regulations of their respective countries after full consultation and approval.
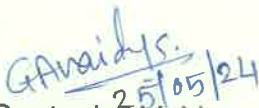
11.2. This MoU shall be governed by and construed in accordance with Indian law and each party agrees to submit to the exclusive jurisdiction of the courts of India.

Each Party hereby confirms its agreement to the terms of this Memorandum of Understanding:
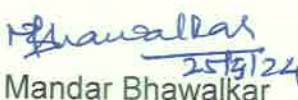
Signed for and on behalf of **IEEE Pune Section** by

Dr. Surekha Deshmukh
Chair- IEEE Pune Section & Chapter
Chair-SIG EEE

Dr. Geetanjali Vaidya
Chair- IEEE PES-IAS Chapter

Dr. Mandar Bhawalkar
Vice Chair- IEEE PES-IAS

Signed for and on behalf of **International Institute of Information Technology (I²IT)** by

Dr. Vaishali V. Patil
Principal, I²IT Pune

Mrs. Deptii Chaudhari
IEEE Branch Counsellor, I²IT Pune
Project Coordinator

Dr. Varsha Degaonkar
Project Coordinator