



Department of Artificial Intelligence and Machine Learning

17/12/2024

Submitted,

Sub: Report- Industrial visit- Akshaya patra Foundation – Reg.,

With respect to the above subject, Second year students of our department have visited Akshaya pathra Foundation in Bengaluru on 12/12/2024. During the visit, we were given a detailed tour of the kitchen, where the process of preparing meals for thousands of children was demonstrated. The kitchen is equipped with high-tech machinery, automated systems, and strict food safety protocols to ensure hygiene and quality in meal preparation. The kitchen produces a variety of meals, including rice-based dishes, lentils, vegetables, and chapatis, all crafted to meet the nutritional needs of children. The students observed large vats and conveyor belts being used to prepare, cook, and package the meals. The food is then transported in specialized vehicles to schools across Bangalore and surrounding areas, ensuring that it reaches the children on time. The level of organization and coordination in the facility was impressive. Each stage of the production process was carried out with precision, with staff and volunteers working seamlessly to maintain high standards of cleanliness and efficiency. The visit to the Akshaya Patra Foundation was wonderful and students have gained the knowledge about the importance of healthy food and its benefits. Mr.P.Ramkumar, Assistant Professor, Department of Artificial Intelligence and Machine Learning have accompanied the second year students for the visit to Akshaya patra Foundations

We would like to extend our heartfelt gratitude to the Akshaya Patra Foundation for the opportunity to visit and gain an idea about their working culture for the preparation of food. Also we thank the industry for their warm hospitality for our students and faculty.

It's our privilege to express sincere gratitude to our management for providing us with the opportunity to visit and witness the impactful work of the Akshaya Patra Foundation and extended our heartfelt thanks to the transport department of our college for ensuring smooth and safe travel during our visit to the Akshaya Patra Foundation.

We would like to sincerely thank our Principal Dr. B.Shadaksharappa and Head of the Department Dr.Sivaprakash. C for granting us the opportunity to visit the Akshaya Patra Foundation. Your support and encouragement have made this visit is a great experience, and we are truly grateful for your guidance and the permission to undertake this valuable learning opportunity.

Submitted to principal
Meyy Sankar

17/12/24

Your's Truthfully
P. Ram
17/12/2024

17/12/2024



Department of Artificial Intelligence and Machine Learning

Few Glimses of our Visit in Akshaya Patra Foundation



17.12.2024

**A REPORT ON INDUSTRIAL VISIT TO IOT OPEN LAB- STPI, ELECTRONIC CITY PH-1-
17.12.2024**

The Corporate Academia Relationships Cell in association with Dept. Of Artificial Intelligence and Machine Learning organized an industrial visit for 3rd year students, Dept. of AIML to IOT OPEN LAB- STPI, ELECTRONIC CITY PH-1, Bengaluru on 17.12.2024. The visit aimed to give the exposure to the project building facilities, mentoring in building Prototypes and to build a full fledged market fit products utilizing the facility of IOT Open lab at STPI. The visit was organized in observance of SDG-4(Quality Education), SDG-9(Industry, Innovation & Infrastructure) SDG-11(Sustainable Cities & Communities) & SDG17(Partnership for Goals)

"STPI IoT OpenLab" is located in Electronics City Phase-1, Bengaluru, has been setup with an aim to support the sector agnostic IoT start-ups to develop disruptive **IoT based applications, products & solutions in various business verticals**. The STPI IoT OpenLab provides four models (Complete Package Model (CP), Associate Membership (AM) Model, Internship Model and Technology led Industries Model) to support IoT startups, Students and industry.

The 29 students accompanied by 2 faculty members reached the venue at 11AM as prefixed. The student team was well received by the authorities Ms. Rajalakshmi and Ms. Swetha C Kolvekar, STPI, Ministry of E & IT, Govt. Of India and other Colleagues. A Brief presentation on STPI, Its initiatives, facilities it provides were briefed.

The Presentation highlighted the key points listed below which could be accessed upon registration. Ms. Rajalakshmi highlighted about the different STPIs set up exclusively for different domains like, AIML, EV, IOT and DATA SCIENCE at various states of India.

STPI is also pleased to extend the below mentioned facilities upon successful registration.

- STPI IoT OpenLab Test & Measuring Equipment and Tool
- Ready-to-Work Plug & Play space as per requirement
- Access to T&M Equipment, Tools and Sample Bank of Electronics
- Mentor Network
- Invitations to all Technical Seminars / Workshops
- Market access through the Industry associations like IESA, TiE.
- Access to Investors.
- Access to Credits from the ECO system partners like AWS, Mathworks, etc
- Sponsorship to National level events to showcase your products
- Access to Nationwide STPI COEs Network
- Access to Software Product Security Testing Lab (SPST) Lab.

Post to presentation, the students and faculty were lead to IOT Open Lab where the students were demonstrated on various equipment's, Demonstrated the projects undertaken on smart water, smart Energy and so on. The smart energy meter which is the government initiative has an opportunity to work on for the IOT enthusiasts.

The demonstration ended with PLC model, sensors and success stories of start ups incubated in the centre. Bharath PI for IOT modules, TESCOM for IOT kits etc...were discussed for further

AIML



associations. Explored the opportunities for students to do internships and projects , Courses for upskilling, QIPS for trainers as per the directive of Govt. Were discussed.

Prof. Malini K V , Head- C A R & EDC, Prof. Vanarasan, Dept. of AIML along with students thanked the officials of STPI, Ms. Rajalakshmi and Ms. Swetha C Kolvekar for providing this excellent opportunity to learn and update on IOT lab facilities, their interest and time to be with students team and assured to bring all branches of students to know about STPI in coming days.

We sincerely thank Dr. B Shadaksharappa Principal, SSCE, Dr. R. Arunkumar, COO, Sairam Institutions for their support and encouragement to organize this visit which gave insight on various opportunities for the budding engineers and staff in various fields.

Thanking You,

Sincerely,

1. Prof. Malini K V *mal - k.v.*
18/12/24

2. Dr. C. Sivaprakash

C. Sivaprakash

PRINCIPAL

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