XAVIER INSTITUTE OF ENGINEERING
A SISTER INSTITUTION OF ST. XAVIER'S COLLEGE

INDUSTRIAL VISIT TO NUOS DEMO CENTER, KALANAGAR, BANDRA EAST

DATE: 03/03/2020

Event Coordinator(s)

Prof. Shailaja Udtewar

Prof. Smita Pawar

Student Coordinator(s)

Ms. Kavita Sharma

Time & Place:

3 p.m. to 5:30 p.m

NUOS Demo Center

Department:

Electronics and Telecommunication

No. of participant:

2 Faculty

35 Students

OBJECTIVE:

To amalgamate theoretical knowledge with the practical one, knowledge through books alone is not sufficient. Thus, the Department of Electronics and Telecommunication, Xavier Institute of Engineering strive to acquaint its students with the latest technology and developments in the world.

SCOPE:

An Industrial Visit to a NUOS Demo Center was planned for second year EXTC students to make them aware of the various projects carried out in field of IoT and Embedded System and will definitely help them to decide topics of their final year projects.

RESOURCE PERSONS:

1. Mr. Neil Savant (Founder & CEO - NUOS Home Automation)

Prof. Shailaja Udtewar and Prof. Smita Pawar along with 35 Second Year EXTC students visited NUOS DEMO CENTER to interact with Mr. Neil Savant, Founder & CEO - NUOS Home Automation which is a Leading Home Automation Service and Product Provider to understand current market scenarios, latest most demanding technologies & criteria and eligibility for selection etc.

At 3 pm we reached the demo center, there we first went for security checking, they provided guest Id guard to each and every student and faculties too, the security system was very good, accurate and secure. After that security head person guided us to main building.

When we reached the main building, we met Mr. Neil savant Founder & CEO - NUOS Home Automation and we have presented him a bouquet of flowers from there he showed few parts of the campus and then he took us to the demo center hall, where all the students and faculties took their seats. He was very nice to everyone, first he made feel comfortable with his talk and charm and then gave us bit of exposure to what we are going to today at site.

Mr. Neil then discussed about the challenges and evolution of the technology in this digital era like cyber security, data security, privacy, ethics, etc. The world is changing rapidly so he told its tome for us to adapt us according to it. Few technologies he talked about were: -

- Internet of Things (IoT)
- Embedded System
- Cyber Security
- Cloud Computing
- Automation
- Artificial Intelligence
- Big Data

Then he demonstrated us NUOS unique and distinctive products for the home and office automation. The company's products are modular, miniature, perfect retrofit and help in beautifying the interiors of homes. Its products are completely international grade having *CE class A* compliance with the extreme understanding of power electronics and embedded systems. These products can be operated from anywhere in the world through the Android and iOS apps.

The company has perfect retrofit products which are completely wire-free. NUOS's switches replace the normal ones and work on the same wiring as the normal switches. The company has overcome a major issue regarding the ease of adoption. Without any rewiring or civil-work, using a local electrician the space gets automated in less than 20 minutes per switchboard. Its entire switch products are compatible with all the switch brands in the market.

Mr. Neil has demonstrated working of few products

- ZIGBEE SCENE CONTROLLER
- ZIGBEE TOUCH SWITCH – DMX RGB
- IGBEE TOUCH SWITCH – SSR
- ZIGBEE TOUCH SWITCH – 0-10V ANALOG
- ZIGBEE TOUCH HUM-FREE FAN REGULATOR
- ZIGBEE TOUCH SWITCH – DALI
- ZIGBEE GATEWAY
- ZIGBEE GATEWAY
- ZIGBEE CO2 SENSOR
- ZIGBEE AIR QUALITY SENSOR
- ZIGBEE GAS LEAK SENSOR
- ZIGBEE LUX SENSOR
- ZIGBEE ECOSENSE SENSOR
- ZIGBEE CO2 SENSOR

Finally, visit was concluded with question and answer session and he answered all of them and also motivated students to prepare for placements and become entrepreneurs.

Student Feedback and Benefits:

1. **Kavita Sharma:**

   That there are different fields that we need to explore. We can learn different things and use them to make innovative things

2. **Vikas Tiwari**

   - What qualities does company is looking for candidates

   - What are the challenges, and how to tackle them

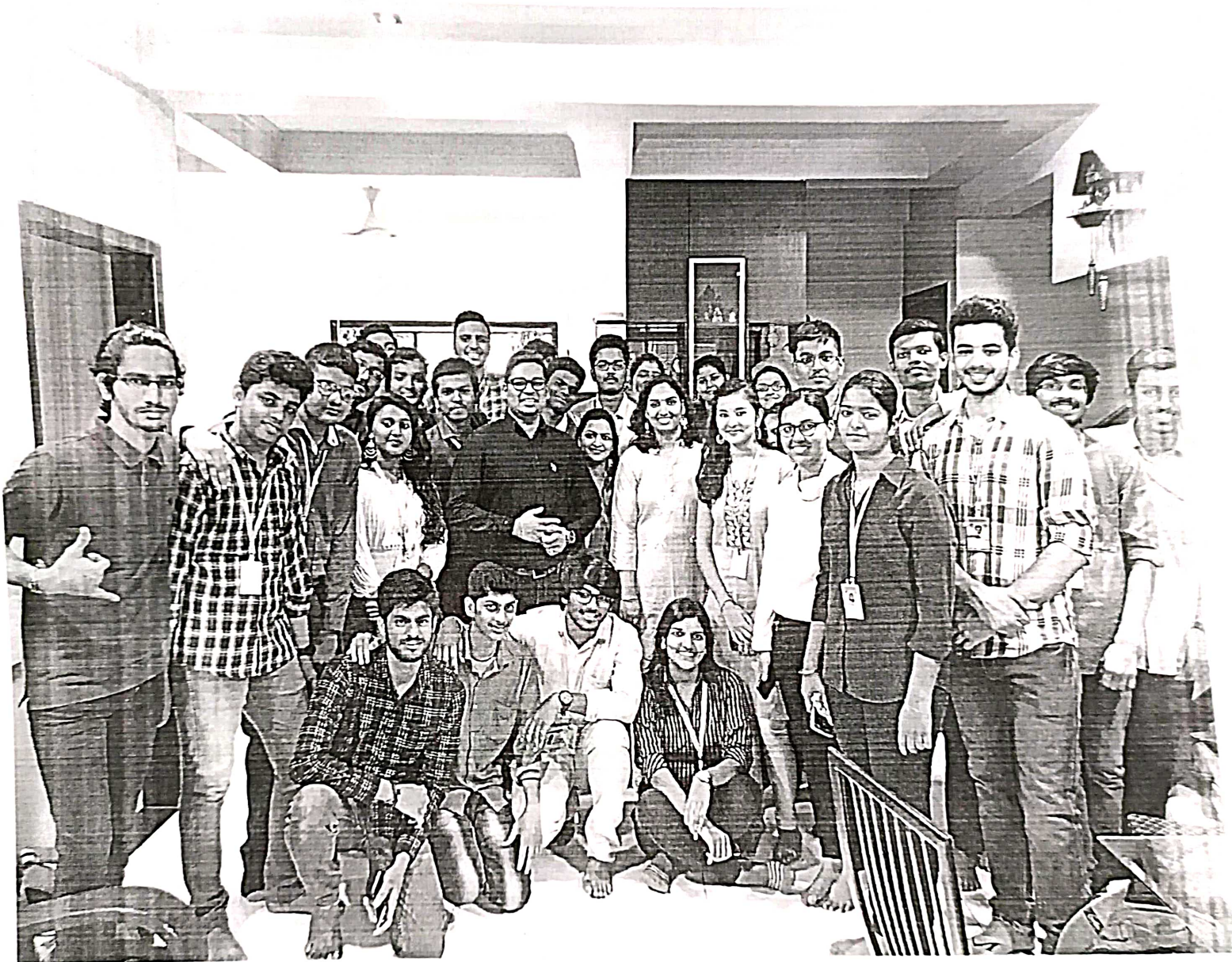3. **Abhijith Aravindakshan**

   Knowing the process of launching a gadget

4. **Kriti Goel**

   IoT has a lot of scope in smart spaces Automation can be a good career

5. **Shreyash Kashyap**

   Got to know about starting up a business in the technical field

Prof. Shailaja Udtewar
Prof. Smita Pawar
Event Coordinator(s)

Dr. Vidya Sarode
HOD EXTC
Head of the Department
Department of Electronics and Telecommunication
Xavier Institute of Engineering
Mahim Causeway, Mahim (W), Mumbai - 400 016.

Dr. Y. D. Venkatesh
Principal
PRINCIPAL
Xavier Institute of Engineering
Mahim, Mumbai - 400 016.