



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
(Deemed to be University under section 3 of the UGC Act 1956)



## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### **SKILL DEVELOPMENT PROGRAM ON “SMART P&ID”**

A Five Days Skill Development Program on “**Smart P&ID**” was organized from 20<sup>th</sup> to 24<sup>th</sup> March 2023 by Department of Electrical and Electronics Engineering in association with Vi Micro System Pvt Ltd , NM Technocrafts (Channel partner of Siemens) & Institution of Engineers India.

The program started with a Welcome address Mr.S.Prakash,AP(Gr-II)/EEE. The Presidential address was delivered by Dr.L.Chitra, HoD/ EEE. The session was taken over by the Dr.Sanjay from NM Technocrafts .

#### **Day - 1: 20/03/2023**

The event was successfully started on 20/03/2023 .The resource person Dr.Sanjay from NM Technocrafts took over the session by giving the introduction about the COMOS software and started explaining about the events at industries ,Use of this software in industries, the role of future engineers in industries etc. An Industrial scenario was taken as a sample like “IDLY BATTER” process plant and they started explaining how the process plant works ,what are the key components , The process flow diagrams ,block diagrams, Process plant phases etc. It was such an informative and interactive session for students which provides the over view of the event.

#### **Day - 2: 21/03/2023**

The second day session started with welcome note and Dr.Sanjay from NM Technocrafts took the session and started explaining about the components used in the industries ,their specifications etc. It was a continuation of day 1 session. On that session the resource person had an interaction with students by asking question, answering the question raised by the students regarding the process plant. The more and more interaction by the student and staff made the session more interesting.

#### **Day - 3: 22/03/2023**

On 3<sup>rd</sup> day, the main concept of the event was taken by Mr. Sagar juglani, Technical head from NM Technocrafts the session about the COMOS software .The basics of the software like logins, basic tools , access for the software and more stuffs related to software was discussed. Mr. Mahendra Gelatar, Operational manager explained about the software usage and demonstrated it.

While demonstrating the software a lot of discussion and interaction was made between the students and the resource person and that day ends well.

#### **Day - 4: 23/03/2023**

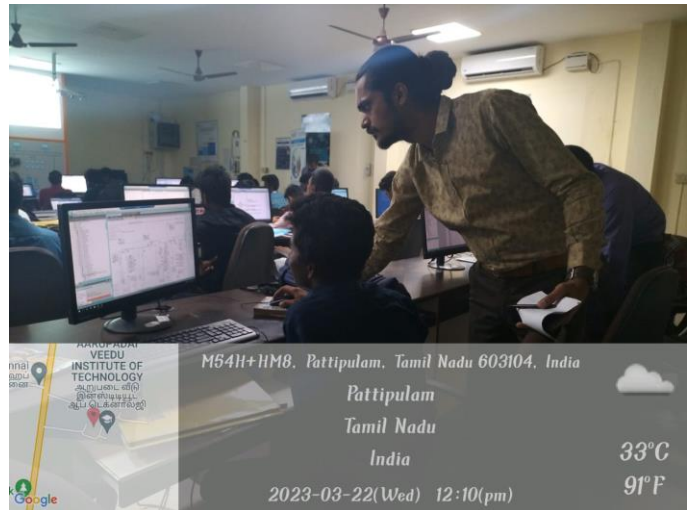
On 4<sup>th</sup> day, hands on session was started by Mahendra Gelatar, Operational manager and the new workspace was provided by the team from NM Technocrafts. Using the workspace students logged in and understands their instruction. The resource person had allotted the P&I diagrams for each and every student to work on their own. An informative session was done on the day.

#### **Day - 5: 24/03/2023**

On 5<sup>th</sup> day students started to practicing the diagrams. After lots of discussions the students started working on the software on their own and most of them felt the software was so interesting. Finally students were successfully completed the diagrams and got the overview about the software.

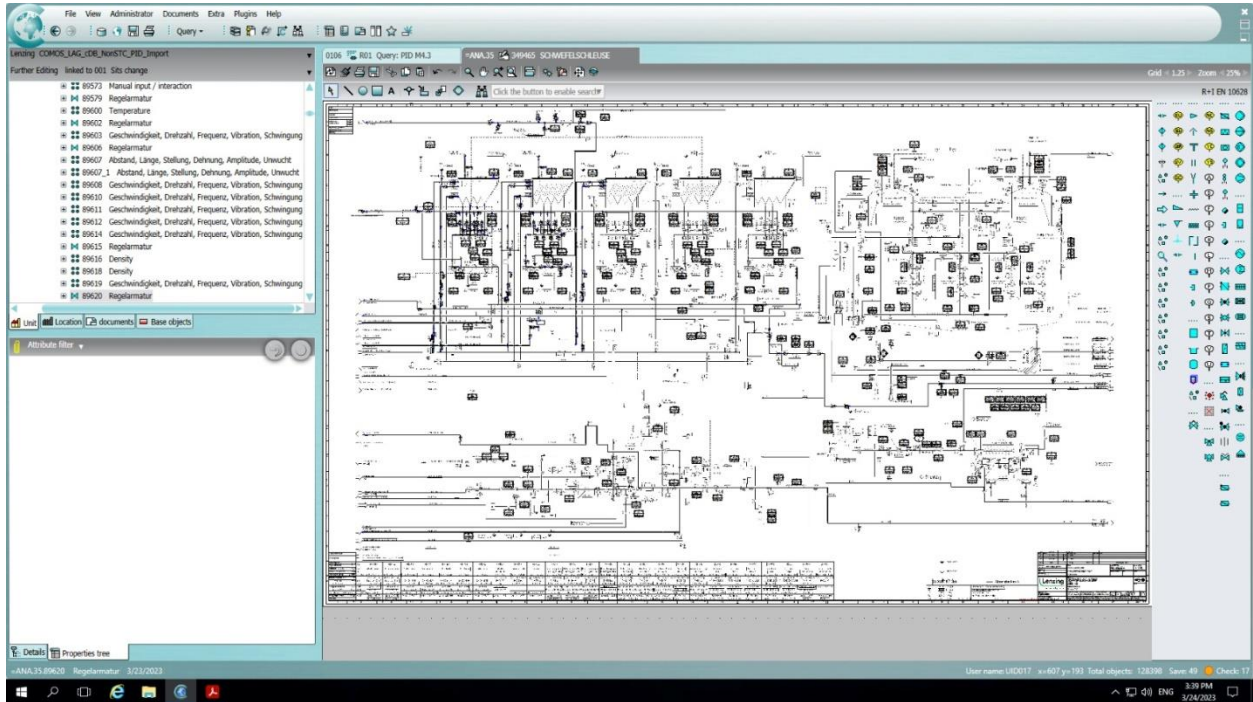
The session was formally concluded with a vote of thanks by Mr.S.Prakash, AP-(Gr-II)/EEE.



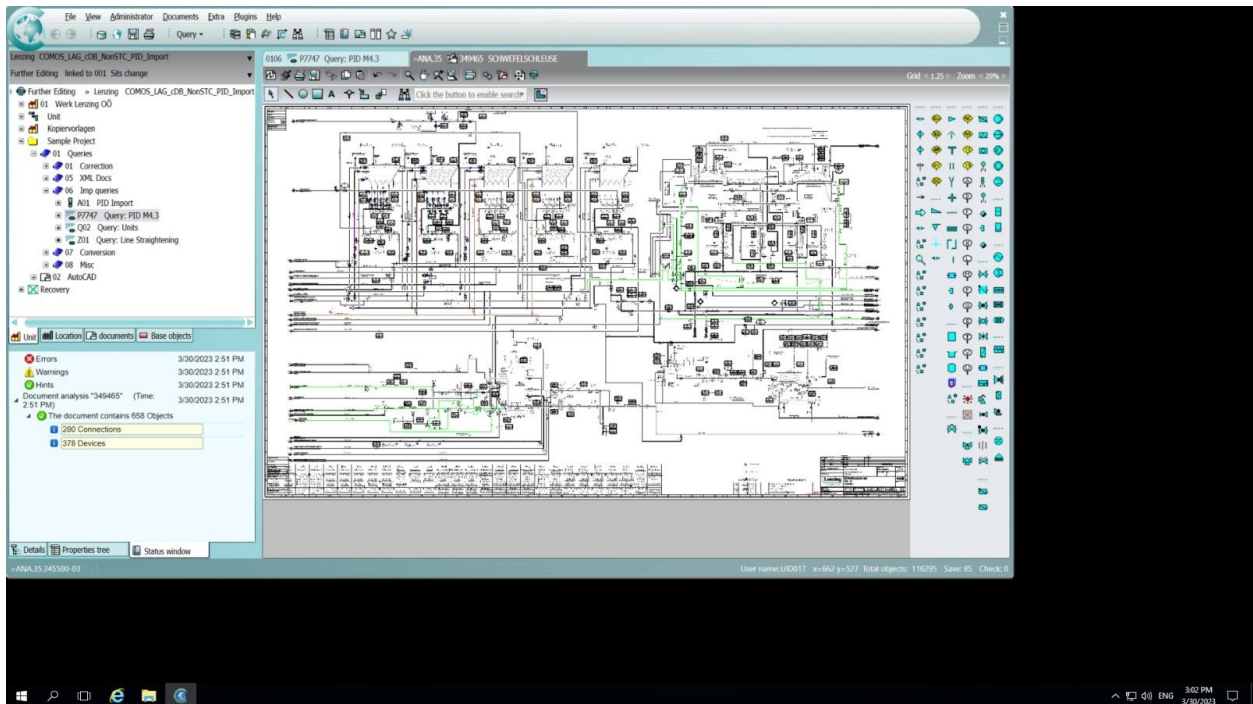


# Outcome of the Program:

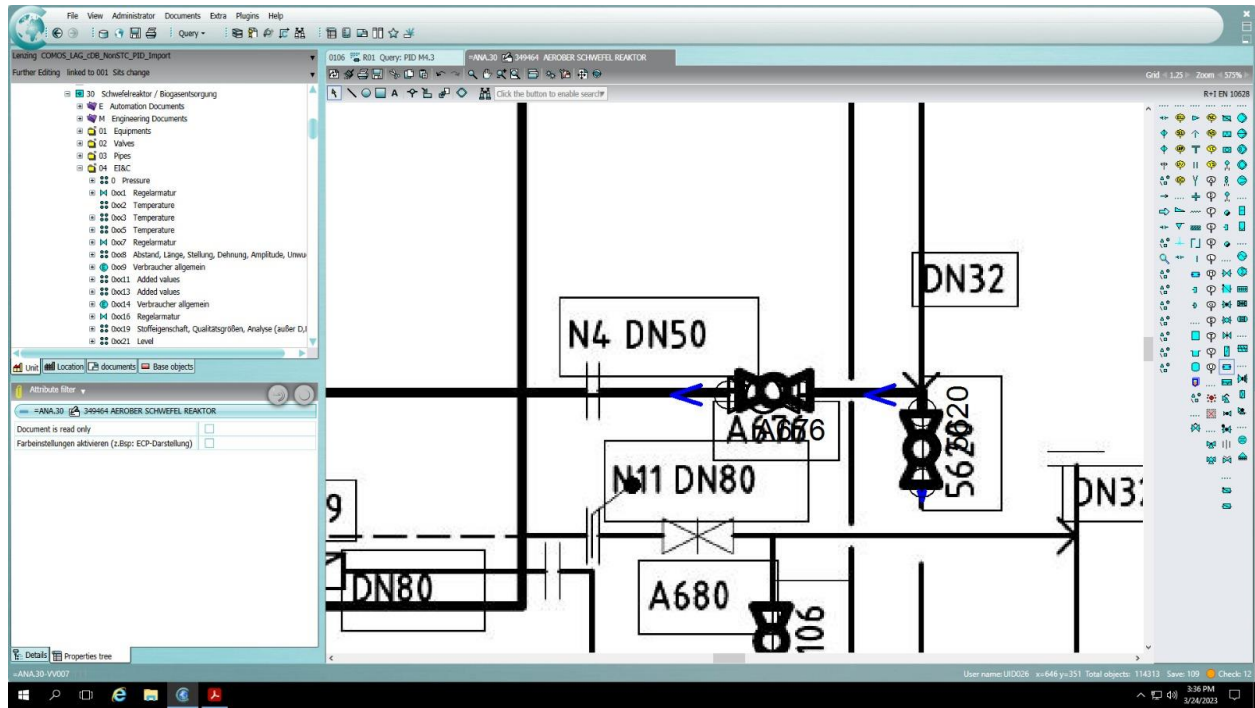
## P&ID : 1



## P&ID : 2



# P&ID : 3





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### SKILL DEVELOPMENT PROGRAM ON "SMART P&ID"

#### LIST OF PARTICIPANTS

Sl No	Register No	Name	Year/Branch
1.	3461910501	AJIT KUMAR YADAV	IV/EEE
2.	3461910509	RAMAN KUMAR	IV/EEE
3.	3461910513	ZAHID MUNEEER	IV/EEE
4.	3461910510	SANJEET KUMAR SHARMA	IV/EEE
5.	3461910511	SURAJ KUMAR	IV/EEE
6.	3462010501	ABHISHEK RAJ	III/EEE
7.	3462010502	AMIT	III/EEE
8.	3462010513	MD ZIBRAN ALAM	III/EEE
9.	3462010514	MORDHWAJ THAKUR	III/EEE
10.	3462010517	VEERAMUNEEESWARAN.P	III/EEE
11.	3462120508	THARUN RAJ.S	III/EEE
12.	3462120504	MOHAMED ANAS.A	III/EEE
13.	3462255503	KISHORE KUMAR R	III/EEE
14.	3462255504	NOORUL AMEEN M	III/EEE
15.	3462255505	SABARIRAJA S	III/EEE
16.	3462010505	BAIDULLAH ANSARI	II/EEE
17.	3462220503	KIRAN VARGHESE	II/EEE
18.	3521910501	ANANDHAN R	IV/Mechatronics
19.	3521910503	MOHANRAJ T	IV/Mechatronics
20.	3521910504	PONRAJ M	IV/Mechatronics
21.	3521910505	PRASATH C	IV/Mechatronics
22.	3522010501	MOHAMMED ABBAS S B	III/Mechatronics
23.	3522120501	ASWIN PRINCE BALAN H	III/Mechatronics
24.	3522120502	GANESH KUMAR P	III/Mechatronics
25.	3522120503	MANOBALA M K	III/Mechatronics
26.	3522120505	YOGESH S	III/Mechatronics
27.	3522110501	MANIKANDAN. B	II/Mechatronics
28.	3522220502	SATHISH KUMAR. L	II/Mechatronics