

V.V. Sangha's



ರಾವ್ ಬಹದ್ದೂರ್ ವೈ. ಮಹಬಲೇಶ್ವರಪ್ಪ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜ್, ಬಳ್ಳಾರಿ
Rao Bahadur Y. Mahabaleswarappa Engineering College, Ballari
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka)
Certified by NAAC with B++, Cantonment, Ballari-583104. [Tel:08392-244809](tel:08392-244809). Fax: 08392-242148



Department of Electrical & Electronics Engineering INDUSTRIAL VISIT REPORT





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DETAILS OF THE JOURNEY

Rao Bahadur Y Mahabaleswarappa Engineering College - RYMEC, Department of Electrical & Electronics Engineering had organized an industrial visit on **12 May 2025** to **400KV pooling Substation Ballari**. The Industry was located in opposite to **BTPS Kudatini**.

The visit was organized and coordinated by **Dr.Linganagouda R**, Asst.Professor **Department of EEE.**

We started travelling from the college campus at 10.00 am by our college bus. Totally **80 students** along with **5 faculty coordinators** were there in the journey.

Industrial visits are arranged by the department for the students to provide an opportunity to explore different sectors in which the students are passionate about it, Manufacturing, services, finance, and marketing. Industrial visit helps to mix theoretical knowledge with practical knowledge in a good way. Hence, Industrial realities are opened to the students through industrial visits.



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Purpose of the industry visit:

Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies

While studying in college before, theoretical classes are so boring; to balance the situation and keep it more interesting practical knowledge has been introduced. Nowadays practical and other curricular activities are included in the part of the syllabus so that students can study more diligently. Similarly, an Industrial visit is a type of practical knowledge that introduces us to the working world. Before proceeding, we need to know what the industrial visit is.

Objective of the industry visit:

The objective of an industrial visit is to provide students with an insight into the corporate world. It provides students with a practical real-world perspective on different functions in organizations such as substation design, layout of generating station etc...

Moreover, it gives exposure from the academic point of view to the students. The main aim of industrial visits \ Educational trips is to give exposure to the students about the practical working environment with theoretical learning. They provide students a good opportunity to achieve full awareness about industrial practices and working.



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400KV Polling Substation Ballari

A 400kV pooling substation is a type of substation used to collect and distribute electricity at a high voltage level, typically 400kV. These substations act as a central point for pooling power from multiple sources and then distributing it to other parts of the grid. They are crucial for ensuring a reliable and efficient power supply.

Key Features and Functions:

- **High Voltage Power Collection:**

Pooling substations collect power from various sources, including power plants and other substations.

- **Distribution to the Grid:**

The collected power is then distributed to different parts of the grid, ensuring a balanced and reliable power supply.

- **Voltage Transformation:**

Pooling substations may include transformers to step down the voltage from 400kV to lower levels for distribution to local areas.

- **Grid Stability:**

They play a role in maintaining grid stability by balancing power flow and providing a central point for managing power outages.

- **Interconnections:**

Pooling substations can also facilitate interconnections between different regions or power systems, allowing for the sharing of power resources.



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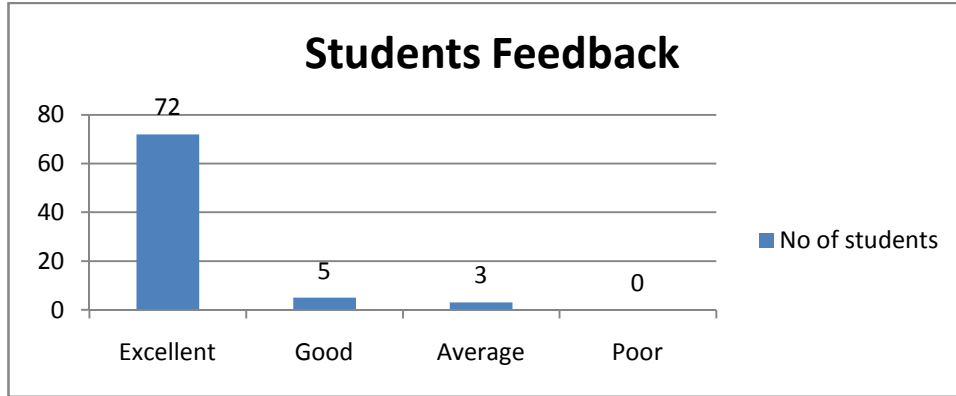


Outcome /Observations

- Industrial Visit brings clarity to important management concepts, as students practical experience firsthand how these concepts are put into action.
- Industrial Visit Bridge the gap between classroom theoretical training and practical learning in a real-life environment.
- It provides an opportunity for students to ask questions related to their area of interest.
- With regular industrial visits, the students are able to identify their prospective area of work like marketing, finance, logistics, etc.
- This also gives students a platform to enhance their interpersonal skills.
- The students get to see the best practices opted by different companies for similar work.
- Since the IV's are planned in various sectors, students find it easy to select relevant organizations for their assignments.
- Using the case study approach within the visit to bring out cognitive thinking among students.



Feedback



Conclusion

Industrial visits are arranged by the department for the students to provide an opportunity to explore different sectors in which the students are passionate about it, Manufacturing, services, finance, and marketing. Industrial visit helps to mix theoretical knowledge with practical knowledge in a good way. Hence, Industrial realities are opened to the students through industrial visits.

Industrial visit is considered to be the most tactical method of teaching. A student pursuing a Particular degree will be taken to companies or industries associated with their branch.

There the students will get to know the procedures, processes, work environment, Management efforts taking place in the industry. The main reason behind this is, it lets students understand things practically through interaction with the industrial environment, working methods, and employment practices.

Moreover, it gives exposure from the academic point of view to the students. The main aim of Industrial visit / Educational trip is to give exposure to the students about the practical working environment with theoretical learning. They provide students a good opportunity to achieve full awareness about industrial practices and working.