



Electrical Engineering Student's  
Association

# Flashes

## Electrical Bulletin

**75th Independence Day**

**Brain Development**

**Teacher's Day**

**Engineer's Day**

**Call on Auditorium**

**Call on Bhogavti Sugar Mill**



# : Preface:

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## **About Government Polytechnic, Kolhapur:**

Government Polytechnic, Kolhapur was established in 1961 with Civil Engineering and Mechanical Engineering Diploma Programme. Started in a small rented building, the institute was soon shifted to its independent campus of about 12 hectares covering academic building and hostels. Institute has the privilege of being the first academically autonomous government polytechnic in the state. At present, the institute offers diploma programme in Civil Engineering, Mechanical Engineering, Electrical Engineering, Industrial Electronics, Electronics and Telecommunication, Information Technology, Metallurgy, Sugar Manufacturing. The being rich with faculty of high qualifications, modernized laboratories and infrastructure, the institute has progressed serving the industry and society. The alumni either proceed for higher education or get employed in renowned industries through regular campus interviews organized by the Training and Placement Cell of the institute.

As a national level appreciation of education of the Institute, four programmes were awarded 3 years accreditation by National Board of Accreditation (NBA), New Delhi in December 2003. Committed to the noble mission of developing technicians of high standards of excellence, the institute is crossing broader and newer horizons of progress keeping pace with the changing global world.

The newsletter 'Flashes' is designed and published by EESA to showcase the activities and events celebrated by the Electrical Engineering Department (Government Polytechnic, Kolhapur) in the odd semester of the academic year 2022-23.

I would like to thank Dr. D. M. Garge (Hon. Principal, Government Polytechnic, Kolhapur) and Mr. S. M. Naik (Hon. Head of Department, Electrical Engineering Department) for their support and valuable guidance during the process of writing the manuscript and publishing the newsletter.

Students of the Electrical Engineering Department have actively participated in institute and department-level events like Independence Day, Engineers' day, and Teachers' Day. The students were also involved in organising events under the flagship of EESA. The department has organized industrial visits and expert lectures for the overall development of students and for giving students exposure to industry.

**Prof. Chetan Subhash Phutane**

Lecturer in EE (Editor-In-Chief)

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## **Disclaimer**

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## **Vision of Institute**

Institute of high recognition to develop competent technicians for quality professional services and entrepreneurship to cater the needs of industry and society.

## **Mission of Institute**

- To educate and train in multi-disciplinary multi-level programs to develop competent technicians and skilled manpower for industrial needs.
- To ensure employability, encourage entrepreneurship, promote lifelong learning.
- To inculcate in students the qualities of a good citizen at individual, social and professional level.
- To provide quality management system with focus on effective student-centric education and high recognition.



# **Electrical Engineering**

## **Programme**

### **Vision of Programme**

Skilled technicians serving the industry/society as entrepreneurs or rendering services in the fields related to electrical engineering following professional and ethical practices.

### **Mission of Programme**

- To provide quality innovative skilled based electrical engineering courses.
- To prepare technicians for the state of art technology by promoting lifelong learning, technical expertise, ethical standards and leadership qualities.
- Commit our faculty expertise and modern facilities to the industry, the profession, and the local constituents.



**Dr. Dattatray Manoharrao Garge**  
Principal, GP Kolhapur



**Prof. Shrikant Maruti Naik**  
H.O.D of EE



**Prof. Chetan Subhash Phutane**  
Lecturer in EE (Editor-In-Chief)

### **Associate Editor**

- **Akash Janardan Gawade**
- **Omkar Suhas Chodankar**



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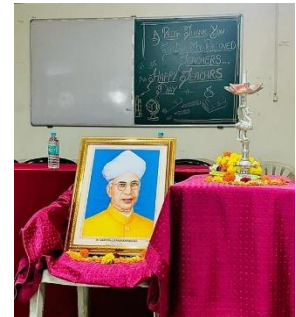


2. Brain Development (Guest Lecture)

3. Teacher's Day

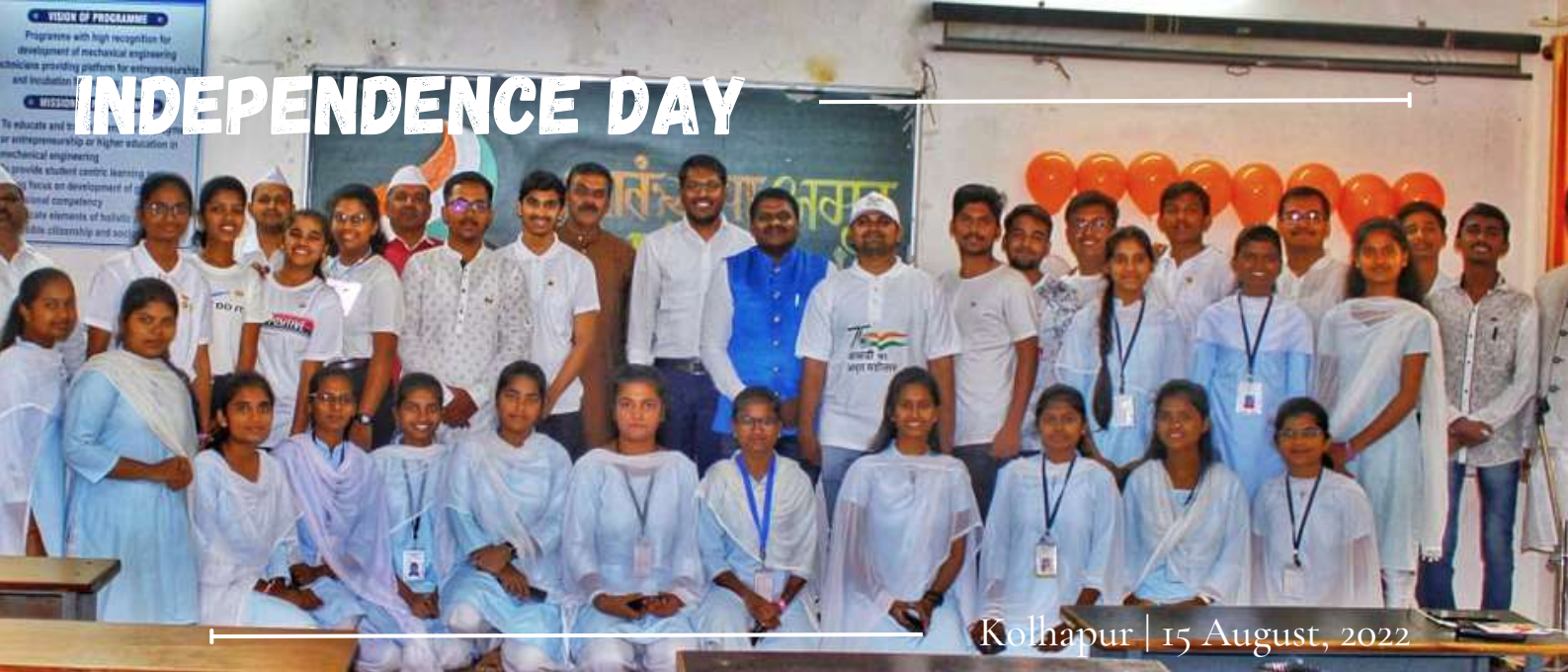
4. Engineer's Day

5. Visit to Auditorium



6. Visit to Bhogavti Sugar Mill





Kolhapur | 15 August, 2022

## 15<sup>th</sup> August Independence Day

1. Flag hosting
2. Speech's by Student
3. Speech's by Faculty/Teacher's Thoughts
4. Stage performance
5. Melodious Performance
6. Express Gratitude

On the occasion of Independence Day our college organized the function in Mechanical Department Seminar Hall. The function was organized to pay tribute to the contribution of freedom fighter to free our country from the British rule. Due to there sacrifice and effort we got our Independence on 15 August, 1947. The event was aimed to encourage the students about the country's glorious past. n this function, Principal (GPKP), HOD's of all department, teaching & non teaching staff along with the students have participated enthusiastically in the event.

The function started with hoisting of Tricolor in the air of Modern India. On this great movement our principal shared his views. For the further function we went in seminar hall & the main function started with delightful speech & the melodious songs on Independence day by students. Then after, teacher & also other staff participated in this glorious function & contributed there occult.

## Chief Guest

1. Dr. D.M.Garge (Principal)
2. HOD of all department
3. Teaching & non - teaching staff





## Students Feedback

### Feedback on Independence Day

Independence Day is significantly as it commemorates the valour & spirit of the freedom fighters who fought for the independence of nation. On the occasion of this day various events were organized in our institute such as singing, speech, Rangoli making, etc.

We participated in each event, due to this we learnt new things such as working together in team, our confidence improved by participating in singing & speech.

this event was full of patriotism & enthusiasm that kindled a sense of love for our country.

by Pratiksha Patil



**"Freedom in the Mind  
Faith in the Words  
Pride in the Soul".**



# EXPERT LECTURE



Kolhapur | 28 August, 2022

## 28 August | Expert Lecture

1. Felicitation of Chief Guest
2. Introduction to the topic
3. Fun activities
4. Example of day-to-day life in lecture

The expert lecture - 'Brain improvement' was organized by a department of Electrical Engineering for the students of SY & TY Electrical Engineering to control the minds, focus on our goals, develop good habits & develop reasoning abilities. Program was started with the felicitation of the expert lecture & brief introduction of the program by teaching staff of Electrical Department.

Mr. Abhijit Mane (Expert Lecturer) started the lecture with fun activities to increase the enthusiasm & interest of the students. He explained the biological function of different parts of brain. He told the importance of focus, good habits & reasoning abilities in our life. He explained & demonstrated some methodology to focus in our life.

## Chief Guest

1. Abhijit Mane
2. Swati Mane
3. HOD Electrical & all other Electrical Staff



# Students Feedback

## Feedback on Expert Lecture

First we honored our Chief guest Mr. Abhijeet Mane sir..

Mr. Abhijeet mane sir give information the Brain in detail. He told the Structure of Human Brain

We also learnt How to program of control Brain.

i.e. Reptilian Brain.

We learnt that reptilian Brain is very lazy

sir tell that info of importance of Brain programing. also Abhijeet sir tell the 'some trick & to Focus on our goals.

Before the lecture of sir Abhijeet mane a we realize that we have to FOCUS on our goals.

Due to this lecture our Self Confidence is improved our daily activities and also How to encourage the knowledge

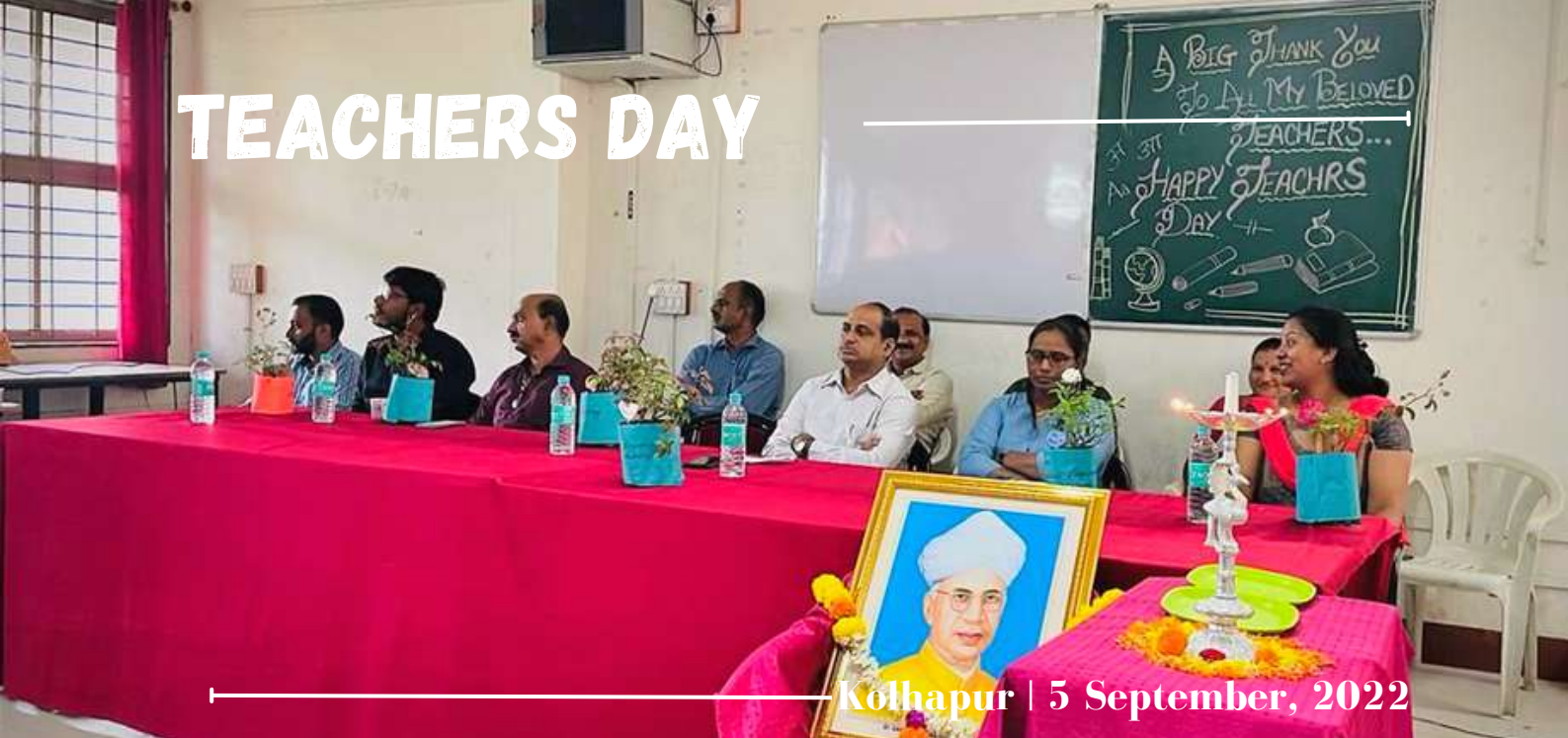
by Vishvajeet Patil



"Your genes don't control your life as much as your mind, & your thoughts do."



# TEACHERS DAY



Kolhapur | 5 September, 2022

## 5 Sept Teacher's Day

1. Guest Inauguration & Felicitation
2. Speech's by Students
3. Speech's of Faculty/Teacher's Thoughts
4. Melodious Performance
5. Memories of department/Glimps of last Year Departmental Activities
6. Express Gratitude

On the occasion of birth of Dr. Sarvepalli Radhakrishnan, EESA Club organized, Teacher's day function in Electrical Engineering Department in Government Polytechnic Kolhapur. The function was organized to pay tribute to the contribution of Dr. Sarvepalli Radhakrishnan towards the Nation & encourage students with his thoughts. HOD, Electrical, teaching & non teaching staff of Electrical Department was invited as a Guest by EESA Club. Teacher's Day started with Felicitation of HOD Electrical & other staff of Electrical Department by EESA Club member's. Some Students of Third Year & Second year Electrical expressed there thoughts about Dr. Sarvepalli Radhakrishnan & explained the importance of teacher's in our life.

Ms. Vedika, student from S.Y Electrical graced the event with her melodious performance of song "Hich Amuchi Praarthana". Mr. S.M Naik, HOD Electrical department honoured the contribution of Dr. Sarvepalli Radhakrishnan & Guided students for there bright Future. EESA Clube members presented a video on the Glims of Last year departmental activities done by electrical. Last but not the least, Mr. Jayraj student of T.Y Electrical Expressed gratitude towards teacher's for there Excellent guidance, non-teaching staff for there unconditional support, student of TY & SY Electrical for active participation & member's of EESA Club for organization such a amazing event.

## Chief Guest

Digneteries

1. HOD Electrical and All Staff of Electrical Department





# Students Feedback

## Feedback on Teacher's Day

On the occasion of teachers day the members of EESA club had arranged a program. For this occasion , head of department and all staff of electrical department . The celebration was started by the honoured to the DR. Sarwapalli Radhakrishnan . The student arranged a grand welcome for the teachers by honoring them with small plant. Some students express their feeling about importance of teacher in every student life and also the girl of second year perform a song for teachers . Because of their preparation their confidence level is also increased . Teachers inspired the students properly and also they suggested good thoughts about How to study and how to prepare for a future and so on .

The teachers day program was the first program of EESA club . Teachers gave us valuable constructive feedback to improve quality of programs in future

- 1) To organize event .
- 2) To improve our stage daring .
- 3) Learn to work in a team efficiently .
- 4) learnt some aspects of event management .

by Sakshi Swami



"A Teacher Presents the Past, Reveals the Present, & Creates the Future"

# ENGINEERING DAY



Kolhapur | September 15, 2022

## 15 Sept Engineer's Day

1. Guest Inauguration & Felicitation
2. Speech's by Student
3. Speech's by Faculty/Teacher's Thoughts
4. Magazine Publication
5. Stage performance
6. Melodious Performance
7. Quiz Competition
8. Fun Games
9. Express Gratitude

On the occasion of Birth of Sir Mokshagundam Visvesvaraya, EESA club has organized 'Engineer's Day' function in Electrical Engineering Department in Government Polytechnic Kolhapur. The function was organized to pay tribute to the contribution of Sir Mokshagundam Visvesvaraya towards our nation & motivate the students with his thoughts. In this function our Vice- Principal, HOD Electrical & Civil Department, teaching & non-teaching staff of Electrical Department were invited as guest by EESA club. Engineer's Day started with the felicitation of guest. At the starting there was publication of magazine of our Electrical Engineering Department.

Then after few students of T.Y & S.Y students of Electrical Engg. Department expressed there thoughts about Sir Mokshagundam Visvesvaraya & shared inspirational stories of their life. Ms. Vedika, student from S.Y electrical graced the event with her melodious performance of song "Hich Amuchi Praarthana". Mr. Sawant Sir (V.P), Devade Sir (HOD Civil), Mr. S.M Naik, HOD Electrical & other staff of Electrical Dept. honoured the contribution of Sir Mokshagundam Visvesvaraya. EESA club organized different fun games between teacher's & also Quiz Competition for the students. Last but not the least, T.Y Electrical Expressed gratitude towards students & all the dignitaries for there excellent support.

## Chief Guest

1. Savant Sir (Vice Principle)
2. Devade Sir (HOD, Civil)
3. S.M Naik Sir (HOD, Electrical)
4. All Staff of Electrical Department





# Students Feedback

## Feedback on Engineer's Day

In the engineer's day Event, we understood the info & story of most Intelligent Engineer in the world Er. vishveshwarya

Mokshagundam sir He was an indian Civil Engineer. Also learnt the importance an Engineers of our Society Under the guidance of electrical Dept Staff some Students gives Speech on Er. Vishveshwarya .Due to this activities our self confidence and stage daring is also improved

Most of students told History & Life story of Er. Vishveshwarya Mokshagudam .we get detail that How He Became an good engineer. From the speeches delivered by HOD, Chief guest & other staff, we understand how he become such a intelligent and Hard working engineer because of his discipline

by Aman Mevekari



"It is Better to  
Work Out than  
Rust Out"



# VISIT TO AUDITORIUM



Ichalkaranji | 14 October, 2022

## 14 October | Visit to Auditorium

### Technical Facilities Observed:-

1. Control room
2. AC plant
3. Lighting system
4. Panel room
5. Filter room
6. Cooling tower
7. Switchgear panel

Electrical Department organized Industrial visit of TY Electrical student on 14 Oct, 2022, to 'Shrimant Narayan Ghorpade Auditorium' Ichalkaranji. All students & faculty reached at the location before 9:30am. Visit has started from 10:00am.

In auditorium students visited Control room, AC plant, Lighting system & Panel room. In control room students observed the working of light mixture, switchgear & control panels of auditorium equipment wiring & cable arrangement & details

of installation of control panel, AC plant of auditorium includes control panel, compressor blower, radiators, filter room, air circulating motor & cooling tower at the top of the roof. Students learned process of air conditioning & circulation of auditorium. By observing the lighting system of auditorium. The learnt application of different types of light with there rating & importance of lux calculation. In panel room they observed SWP scheme of auditorium.

## Chief Guest

1. Sambhaji Sir
2. S.V Kadam, Lecturer, Electrical
3. Momin Sir, Lab Assistant



# Students Feedback

## Feedback on Visit to Auditorium

Our visit to Shrimant Narayan Ghorpade Auditorium. In the Auditorium we observed the lightning arrangement, How the lights are installed on the various parts of stage, how we control the light as our requirement\scene requirement.

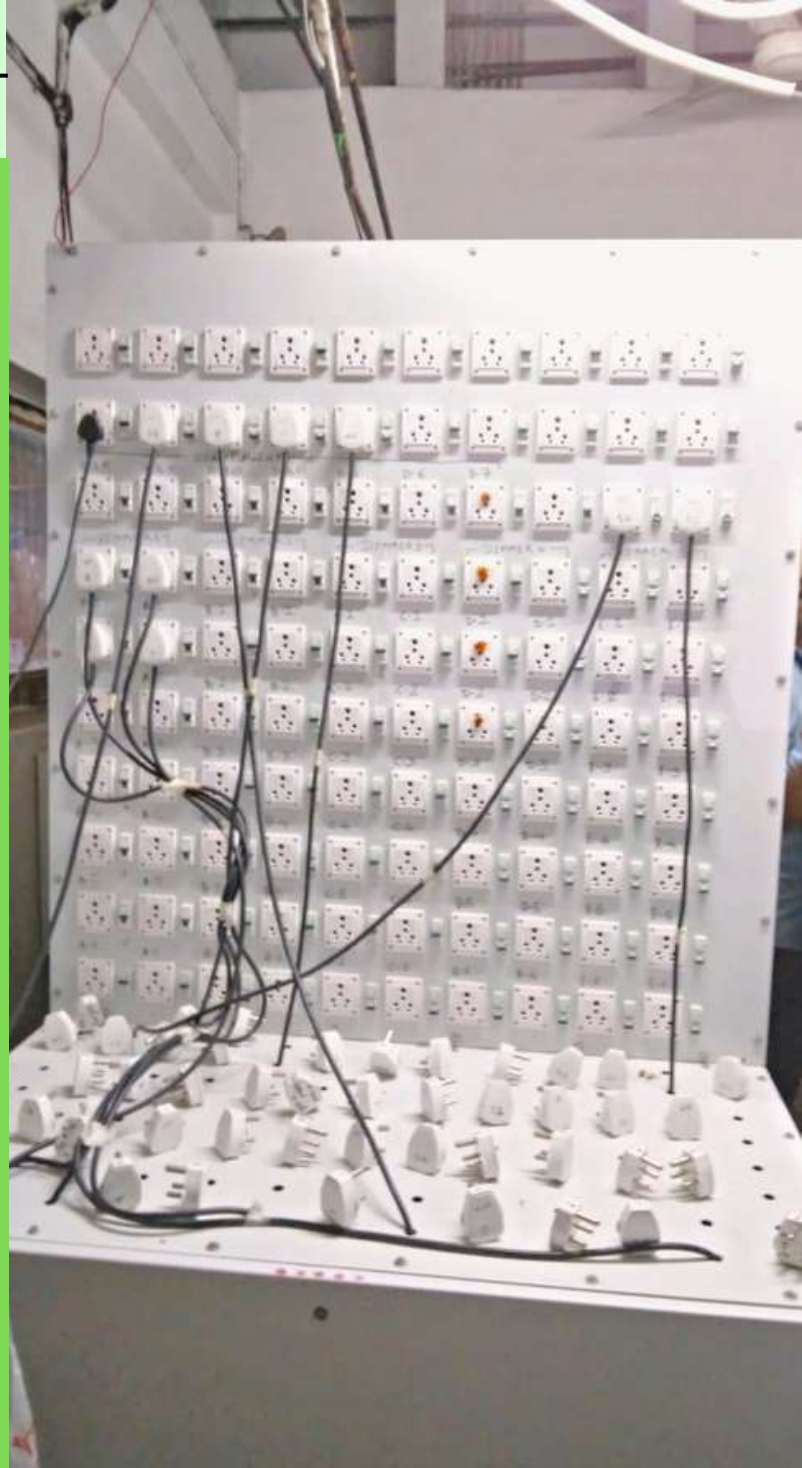
There are an IPFC panel where the Incoming line from MSEB and divided into various section as per requirement. Some sections required 3 phase power supply for pumping motors, swimming Tank and AC operation. Where the lightning circuit required single phase supply. So, we observed form the IPFC panel we manage the supply to the various section.

In the AC section we observed the AC ducts where the air is circulated to all over the Auditorium. We observed there are two motors for pumping of water. The rating of motor is 5HP and 3HP respectively. 5HP motor is a Main motor and 3HP motor is an auxiliary motor. Motor was used to pump the water in AC system.

Form this industrial visit we learned 3 main things

- 1.how to installed Electrical work in Auditorium.
- 2.We observed how an IPFC panel work in industrial areas.
- 3.We learned how Air Conditioning system work in Auditorium\ Theater.

by Atharv Patil



"Travel is a not reward  
for working, it's  
education for living."





## Panel Room



## Control Room



## Compressor



## Three Motors for cooling



## Lighting System



# VISIT TO BHOGAVATI



## 19 November | Visit to Bhogavati

### Technical Facilities Observed:-

1. Control room
2. Generator
3. Juice section
4. Packing section
5. Laboratory
6. Waste Management

Electrical Department has organized industrial visit of TY Electrical student on 19 Nov, 2022, 'Bhogavati Cooperative Sugar Factory Ltd' Bhogavati.

All students & faculty reached at the destination before 9:30am visit started from 10am. Students got divided into two lines. Students were lead by faculty of Electrical Engg. Department.

In industry students visited control room, Generator, Packing section & other equipment. In control room students observed the working.

## Chief Guest

1. Patil Sir
2. R.B Adlinge, Lecturer, Electrical
3. C.S Phutane, Lecturer, Electrical
4. S.T Patil, Lab Assistant



# Students Feedback

## Feedback on Visit to Auditorium

We visited Shree Bhogawati Sahakari Sakhar Karkhana is located Karvir Nagar near central bus stand Bhogawati .

In this visit we observed 3 alternator of rating 3kw , 2.5 kw ,12.5 kw. Also we observed the capacitors , ac motor , ACB ,AVR , steam turbine.

In this sugar mill , there are 450 motor are used and also 3 ACB ( air circuit breaker ) are used . The steam of turbine is measured in kg/cm.

Customer centricity is at core of Bhogawati Sahakari Sakhar Karkhana in Karvir nagar Kolhapur and it is belief that has led to business to build long term relationship .

From this visit we have learnt process of cogeneration and making of sugar and also we got some extra information about a electrical instrument used in industry.

We understood switchgear and protection schemes for sugar factory . we observed the automation system used in mfg. and packaging of sugar.

by Nikhil Chavan

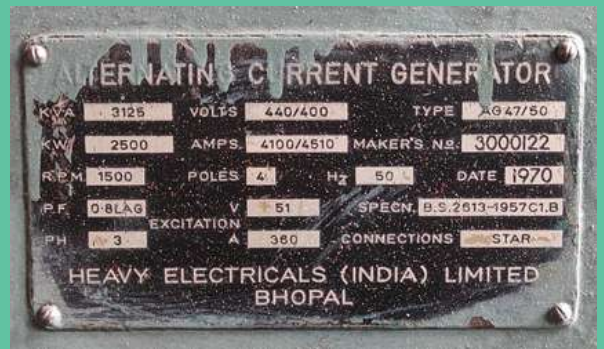


"Learning is not Compulsory... Neither is Survival."





Turbine coupled with DC Generator



Name Plate of AC Generator



Factory



Synchronizing Panel



Control Panel



**"NO ONE PERSON CAN SHAPE THE LIFE OF ANOTHER.  
YOUR SUCCESS & HAPPINESS DEPENDS UPON YOUR  
OWN SELF. THINK FOR YOURSELF & HAVE A PLAN OF  
LIFE"**

**BY SIR M VISVESVARAYA**



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**ELECTRICAL ENGINEERING  
DEPARTMENT**