



# Vidyyut Urja

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## Funds for Electrical Installation

### Electrical Engineering Department

#### Editorial Committee:

Dr. G.V.Gotmare, HOD

Mr. A.D.Sahusakde, LEE

Ms. Laxmi Raut, LEE

Govt. Polytechnic Gondia was sanctioned grant of Rs 1.5 lacs from Directorate of Technical Education, MS, Mumbai under "Swechha Nidhi" for "Electrification of Laboratory" in financial year 2019- 20. The project includes replacement of old wiring, and new connections to various machines installed in Laboratory.

PWD (Electrical) is instrumental in supervising & executing this work as per the requirement and drawing provided by Electrical Engineering Department. Mr. Shambharkar, Sectional Engineer, PWD (Electrical), Gondia steered this work.

Prof. A,D,Sahusakde, faculty of Electrical department with team of Electricians Mr. Brahmanekar, Mr.Bawane along with PWD Electrician are actively involved in supervision of work. Dr.C.D.Golghate, Principal, Govt. Polytechnic Gondia guided about execution of work in meetings with PWD officials. Dr. G.V.Gotmare, HOD, Electrical Engineering is supervising in planning & implementation of said work.



Before

After



Photograph of Work Carried out under Fund

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## New Facility Created (Electrical Machine Laboratory)



#### Features

- Nine Panels
- Single Phase & Three Phase AC Machines
- DC Machines
- Single phase and Three Phase Transformer

### New Facility Created (Electrical Workshop)



84.9 Sq. m 90 % Work Completed, Few M/C & Equipment Required

# Electrical Workshop

### New Facility Created (Computer Laboratory)

Computer Laboratory with 10 Computers and internet facility were established in the department. The wiring installation of this laboratory is done by the students of Electrical Engineering under the guidance of Dr. G.V.Gotmare.



### New Facility Created (Basic Electrical Engineering Laboratory)



# Basic Electrical Engineering Lab

78 Sq. m  
100 % Installation work done

The unique Laboratory setup for first year students of all branches.  
**100 % Installation work done.**

# Faculty Development Training Program

The Electrical Engineering Department organized a five-day faculty development program (FDP) approved by Directorate of Technical Education (DTE) Maharashtra on “NBA e-SAR Preparation for Diploma Institutes” in online mode. Nearly 30 Polytechnic teachers across Maharashtra participated in the program during 15<sup>th</sup> June, 2020 to 19<sup>th</sup> June 2020. This program was self funded and all experts are served voluntary.



Dr. Sanjay Rajurkar, Dr. Sanjay Ingole. Dr. Gajanan Awari and Dr. R.M. Moharil from NBA accredited programs of renowned institution in Maharashtra were the experts. Dr. Gajanan Gotmare, Coordinator was also worked as an expert. Principal, Dr. C.D.Golghate inaugurated the program. Program Coordinator Dr. G.V.Gotmare, Prof. Jamnik, worked hard for the successful completion of program.

## Achievements

- Dr. G.V.Gotmare, Head of the Department delivered expert lectures at AICTE/ISTE approved FDTP on Electric Vehicle at G.P.Nagpur.
- Mr. A.D.Sahasakde, Lecturer in Elect. Engg completed 64 weeks training under SWAYAM.
- Mr. K.R.Kachhiyawale Lecturer in Elect. Engg. Completed one week FDTP on Emerging Trends in Green Energy Technologies. Completing 64 weeks training under SWAYAM.
- Ms. L.M.Raut Lecturer in Elect. Engg. Completed FDTPs on eSAR, IOT and Online Teaching Learning process. (one week each).

## Quiz Competition

State level e-Quiz competition was organized by Electrical Engineering Department under ISTE Students Chapter and Electrical Engineering Students Association (EESA) on “Electrical Technology” on 27<sup>th</sup> August, 2020. Total 491 candidates registered and 192 candidates participated in e-Quiz Competition. First prize and Second prize winners are Mr. Himanshu Singh and Ms.Rani Thorad from Government Polytechnic, Nagpur and Dr. B.A.T.Us Institute, Lonere respectively.

ISTE (EE) coordinator Mr. K.R. Kachiyawale, Mr. A.D.Sahasakde and Ms. L.M.Raut worked hard for successful completion of e-quiz competition.



## Earn and Learn Activities

Following students of Electrical Engineering are earning while learning.

- Ravi Tirtharaj Harinkhede (TY)
- Gunjan Madhukar Dongarwar (TY)
- Saksham Anil Pardhi (TY)
- Monish Purushottam Kapse (TY)
- Rahul Sawalaram Khobragade (TY)
- Devendra Muneshwar Dhokane (TY)
- Nagpure Domansingh Chunnilaln (TY)
- Ravindrakumar Jageshwar Rahangdale (TY)



## Electrical Engineering Department

Government Polytechnic,  
Fulchur Peth,  
Gondia (MS)  
PIN 441601

Phone: 07182-235136  
Fax: 07182-235136  
E-mail: hodeegpgondia@gmail.com

## Save Energy

[www.gpgondia.org](http://www.gpgondia.org)



**Govt. Polytechnic, Gondia**

### Vision of Program

To develop self motivated, skilled electrical engineers, having professional ethics, to serve industries and society.

### Mission of Program

- M1: To impart electrical engineering knowledge for life-long learning.
- M2: To develop electrical engineers to render services to industries and society.
- M3: To inculcate professional and ethical values.
- M4: To provide environment, to develop leadership and effective communication abilities.

## PEOs, POs, PSOs of Electrical Engineering Program

### Program Educational Objective (PEOs)

- PEO 1. Provide socially responsible, environment friendly solutions to Electrical engineering related broad-based problems adapting professional ethics.
- PEO 2. Adapt state-of-the-art Electrical engineering broad-based technologies to work in multi-disciplinary work environments.
- PEO 3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.

### Program Outcomes (POs)

**PO1: Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and

engineering specialization to solve the engineering problems.

**PO2: Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.

**PO3: Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

**PO4: Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

**PO5: Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.

**PO6: Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

**PO7: Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

### Program Specific Outcomes (PSOs)

**PSO 1. Electrical Equipment:** Maintain various types of rotating and static electrical equipment.

**PSO 2. Electric Power Systems:** Maintain different types of electrical power systems.