

**ELECTRICAL**  
**ENGINEERING**  
**DEPARTMENT**

**EXPERT LECTURE**  
**DETAILS**

<b>SR. NO.</b>	<b>ACTIVITY NAME</b>	<b>DATE (DD/MM/YY)</b>	<b>VENUE</b>	<b>NO. OF PARTICIPANTS</b>
1	Expert Lecture	05-08-2017	Multimedia Room, Gandhy College, Surat	47

**DESCRIPTION**

An expert lecture on “Electrical Traction” was delivered by Mr. C. J. Bhaidasna, Rt. Electrical Engineer, Indian Railways in which 47 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of Electric Traction.

**PHOTOS**



<b>SR. NO.</b>	<b>ACTIVITY NAME</b>	<b>DATE (DD/MM/YY)</b>	<b>VENUE</b>	<b>NO. OF PARTICIPANTS</b>
2	Expert Lecture	05-08-2017	Room No. 13, Gandhy College, Surat	41

**DESCRIPTION**

An expert lecture on “Microprocessor & Controller” was delivered by Mr. M. M. Kagdi, Lecturer (E.C.), AYDTI, Kosamba in which 41 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of Microprocessor & Controller.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
3	Expert Lecture	05-03-2018	Seminar Hall, Ghandhy College, Surat	68

**DESCRIPTION**

An expert lecture on “Electrical Machines, Maintenance & Testing” was delivered by Prof. Kashyap Mokariya, Prof. Electrical Department, Government Engineering College, Surat in which 68 Students of 6<sup>th</sup> Sem. had participated to acquire the knowledge of Electrical Machines, Maintenance & Testing.

**PHOTOS**



Sr. No.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
4	Expert Lecture	08-03-2018	Seminar Hall, Ghandhy College, Surat	86

**DESCRIPTION**

An expert lecture on “Electrical Safety, Reactive Power Management & Power Distribution” was delivered by Mr. Bhavesh Desai, Engineer, Torrent Power, Surat in which 86 Students of 2<sup>nd</sup>, 4<sup>th</sup> & 6<sup>th</sup> Sem. had participated to acquire the knowledge of Electrical Safety, Reactive Power Management & Power Distribution.

**PHOTOS**



<b>SR. NO.</b>	<b>ACTIVITY NAME</b>	<b>DATE (DD/MM/YY)</b>	<b>VENUE</b>	<b>NO. OF PARTICIPANTS</b>
5	Expert Lecture	06-07-2018	Seminar Hall, Ghandhy College, Surat	74

**DESCRIPTION**

An expert lecture on “Electrical Traction” was delivered by Mr. C. J. Bhaidasna, Rt. Electrical Engineer, Indian Railways in which 74 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of Electrical Traction.

**PHOTOS**



<b>SR. NO.</b>	<b>ACTIVITY NAME</b>	<b>DATE (DD/MM/YY)</b>	<b>VENUE</b>	<b>NO. OF PARTICIPANTS</b>
6	Expert Lecture	17-07-2018	Room No. 15, Ghandhy College, Surat	42

**DESCRIPTION**

An expert lecture on “Solar Energy” was delivered by Prof. D. M. Shukla, Prof. Electrical Department, Government Engineering College, Surat in which 42 Students of 3<sup>rd</sup> Sem. had participated to acquire the knowledge of Electrical Generation using Solar Energy.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
7	Expert Lecture	11-01-2019	Electrical Machine Lab., Gandhy College, Surat	69

**DESCRIPTION**

An expert lecture on “Induction Heating” was delivered by Mr. Ramesh I. Patel, Owner of Flame-O-Nil Technologies, Surat in which 69 Students of 4<sup>th</sup> Sem. had participated to acquire the knowledge Electrical Induction Heating and its equipment.

**PHOTOS**





SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
8	Expert Lecture	08-02-2019	Seminar Hall, Ghandhy College, Surat	35

**DESCRIPTION**

An expert lecture on “Energy & Safety in Electrical” was delivered by Mr. Jagrut P. Patel, Chartered Engineer, J. P. Technosoft, Ahmedabad in which 35 Students of 4<sup>th</sup> Sem. had participated to acquire the knowledge of Electrical Safety.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
9	Expert Lecture	16-02-2019	Seminar Hall, Ghandhy College, Surat	45

**DESCRIPTION**

An expert lecture on “Switchgear & Protection” was delivered by Prof. Urvi N. Patel, Prof. Electrical Department, Government Engineering College, Surat in which 45 Students of 6<sup>th</sup> Sem. had participated to acquire the knowledge of Switchgear and Protection.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
10	Expert Lecture	20-07-2019	Seminar Hall, Ghandhy College, Surat	74

**DESCRIPTION**

An expert lecture on “PLC & SCADA” was delivered by Mr. Nitish Tiwari, Asst. Manager, Sofcon India Pvt. Ltd., Surat in which 74 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of PLC & SCADA.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
11	Expert Lecture	23-08-2019	Seminar Hall, Ghandhy College, Surat	62

### DESCRIPTION

An expert lecture on “Workshop on PCB Design” was delivered by Mr. Yaseen Saiyed, Sr. Trainee Engineer, National Infotech, Surat in which 62 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of Workshop on PCB Design.

### PHOTOS



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
12	Expert Lecture	25-09-2019	Seminar Hall, Ghandhy College, Surat	89

**DESCRIPTION**

An expert lecture on “How to face an Interview” was delivered by Mr. Ajay Makwana, Manager, Maintenance Department, Essar Steel, Hazira in which 89 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of facing the Interview.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
13	Seminar	09-10-2019	Seminar Hall, Ghandhy College, Surat	91

**DESCRIPTION**

An seminar on “Energy Conservation Awareness” was delivered by Mr. R. M. Panchal, Energy Auditor, GEDA and Mr. S. K. Nayak, Energy Auditor, GEDA in which 91 Students of 5<sup>th</sup> Sem. had participated to acquire the knowledge of Energy Conservation.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
14	Expert Lecture	09-01-2020	Seminar Hall, Ghandhy College, Surat	75

**DESCRIPTION**

An expert lecture on “Introduction & Effectiveness use of educational simulator mobile App-Electric circuit Studio” was delivered by Prof. S.N.Sampat , HOD Electronics Department, Government Girls Polytechnic, Surat in which 75 Students of 4<sup>th</sup> Sem. had participated to acquire the knowledge of Simulation of Electronic circuits by Using Electric Circuit Studio.

**PHOTOS**



<b>SR. NO.</b>	<b>ACTIVITY NAME</b>	<b>DATE (DD/MM/YY)</b>	<b>VENUE</b>	<b>NO. OF PARTICIPANTS</b>
15	Expert Lecture	17/01/2020	Seminar Hall, Gandhy College, Surat	78

**DESCRIPTION**

An expert lecture on “Maintenance of Oil filled Transformer was delivered by Mr. Kartik Engineer, Maintenance Engineer, Rasgirtas Power Co, Qatar, in which 78 Students of 6<sup>th</sup> Sem. had participated. He shared his expertise in Maintenance field and students gained the knowledge of Maintenance.

**PHOTOS**





SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
16	Expert Lecture	03/02/2020	Seminar Hall, Ghandhy College, Surat	47

**DESCRIPTION**

An expert lecture on “Maintenance and Testing of Transformer” was delivered by Mr. Ajay Makwana, Manager, Elect Maintenance, AM&NS (Essar Steel Ltd) Ltd, Surat in which 47 Students of 6<sup>th</sup> Sem. had participated. He shared his knowledge of Testing and Maintenance with the final year students.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
17	Expert Lecture	11/03/2020	Seminar Hall, Ghandhy College, Surat	58

**DESCRIPTION**

An expert lecture on “Transmission and Distribution was delivered by Mr. H. M. Mansuri, Dy. Engineer, GSECL, Vadodara in which total 58 Students of 4<sup>th</sup> Sem. had participated. He shared his expertise in Transmission, Distribution and Substation Field and students acquired the knowledge of substation.

**PHOTOS**



SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	VENUE	NO. OF PARTICIPANTS
18	Expert Lecture	13/03/2020	IT-110, IT-Building, Gandhy College	72

#### DESCRIPTION

An expert lecture on “Switchgear and Protection” was delivered by Prof. V. B. Babaria HOD, Electrical Department, NSIT, Jetalpur in which 72 Students of 6<sup>th</sup> Sem had participated. He shared his technical knowledge in the subject of Switchgear and Protection. He covered important topics like Distance protection, Electrostatic relays, Motor, Alternator and transformer protection etc.

#### PHOTOS

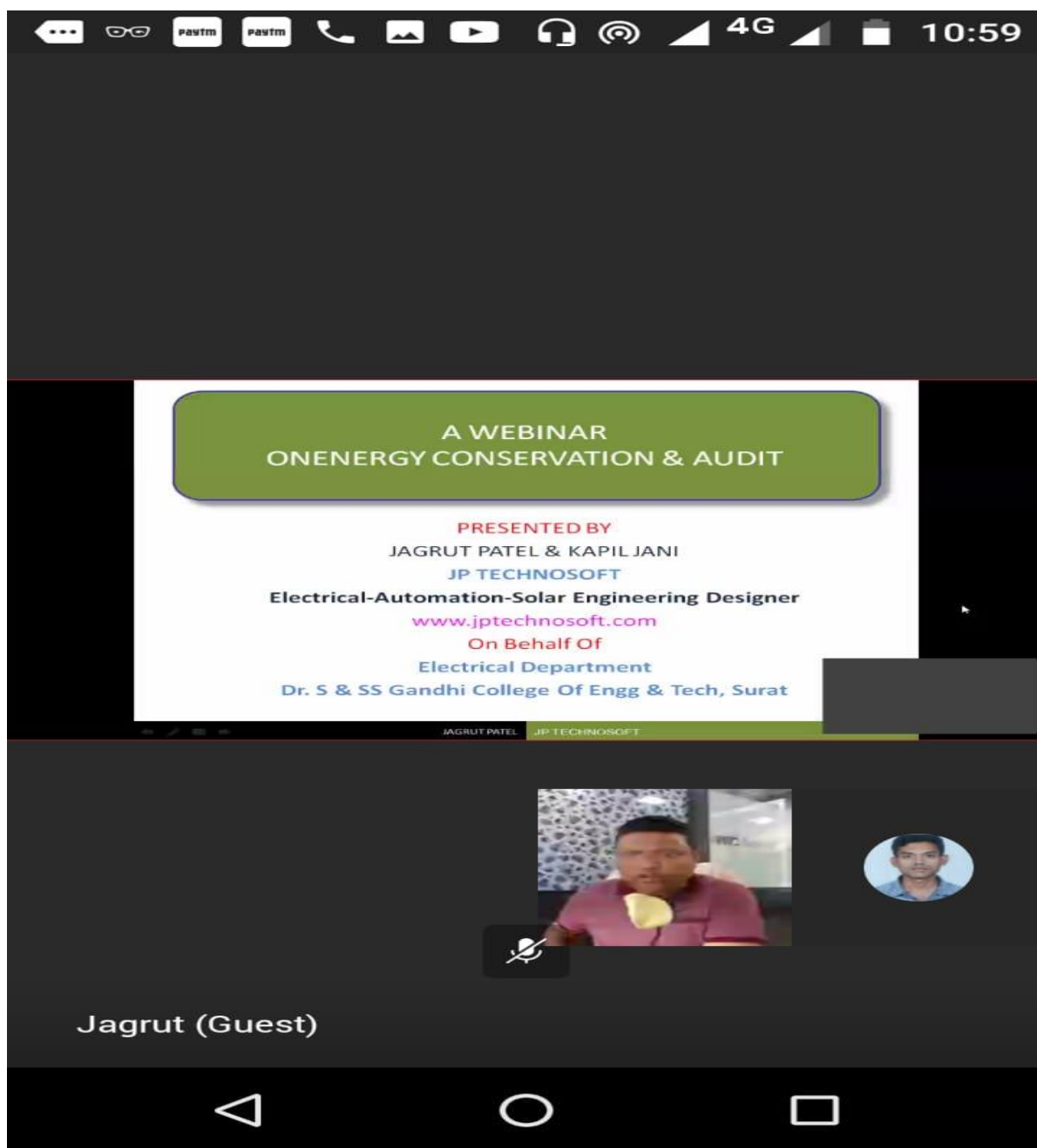


SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	PLATFORM	NO. OF PARTICIPANTS
19	Webinar	19-09-2020	MS Teams	60

### DESCRIPTION

A Webinar on “Energy Conservation & Audit” was delivered by Mr. Jagrut P. Patel, Technical Advisor, J. P. Technosoft, Ahmedabad in which 60 Students of 5<sup>th</sup> Sem. had participated. He shared his technical knowledge about Energy Conservation & Audit.

### PHOTOS

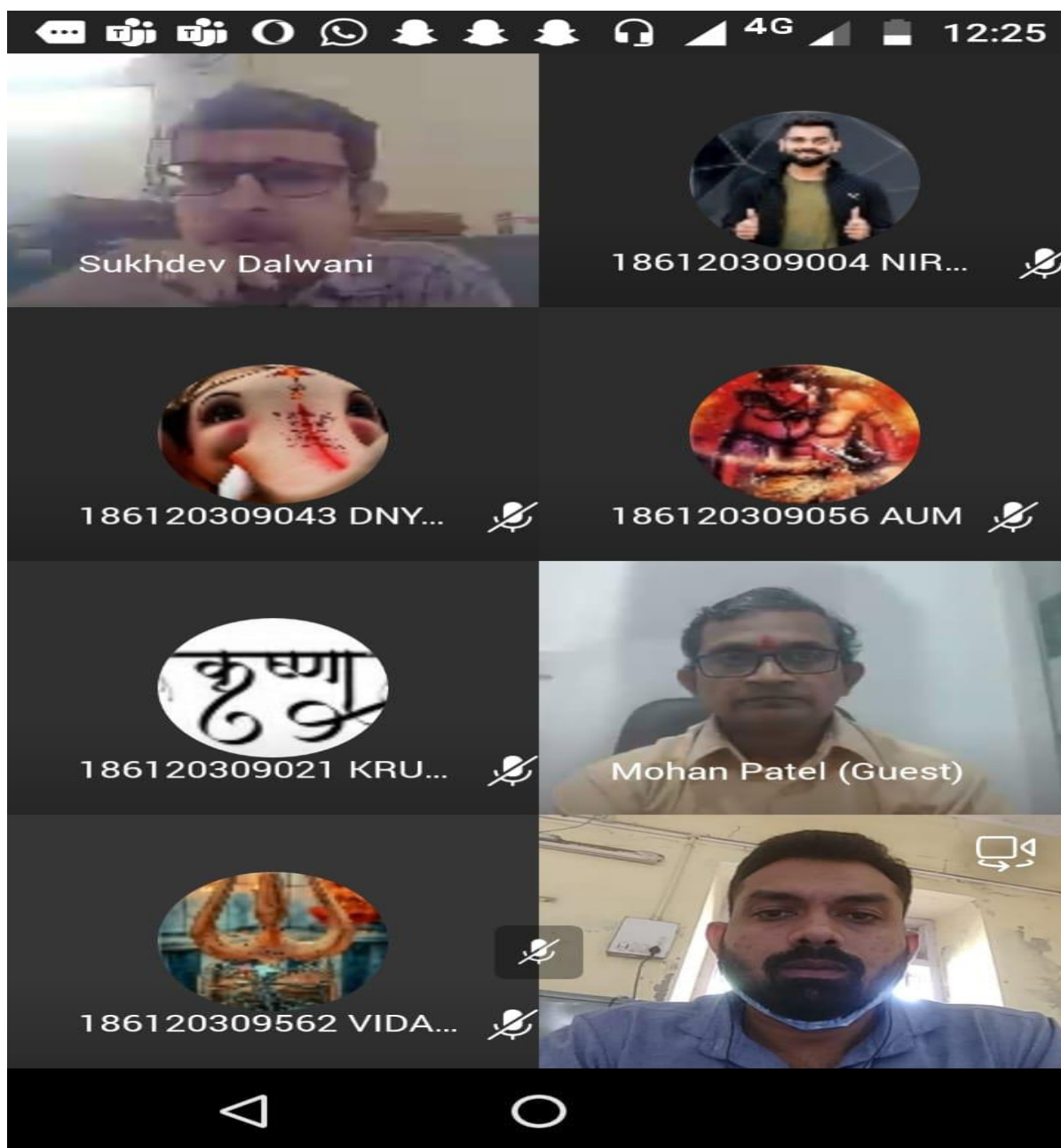


SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	PLATFORM	NO. OF PARTICIPANTS
20	Webinar	03-10-2020	MS Teams	43

**DESCRIPTION**

A Webinar on “Role of PLC SCADA in Automation” was delivered by Mr. Mohan N. Patel, Automation Solution Provider, Shivam Services in which 43 Students of 5<sup>th</sup> Sem. had participated. He shared his technical knowledge of PLC & SCADA.

**PHOTOS**

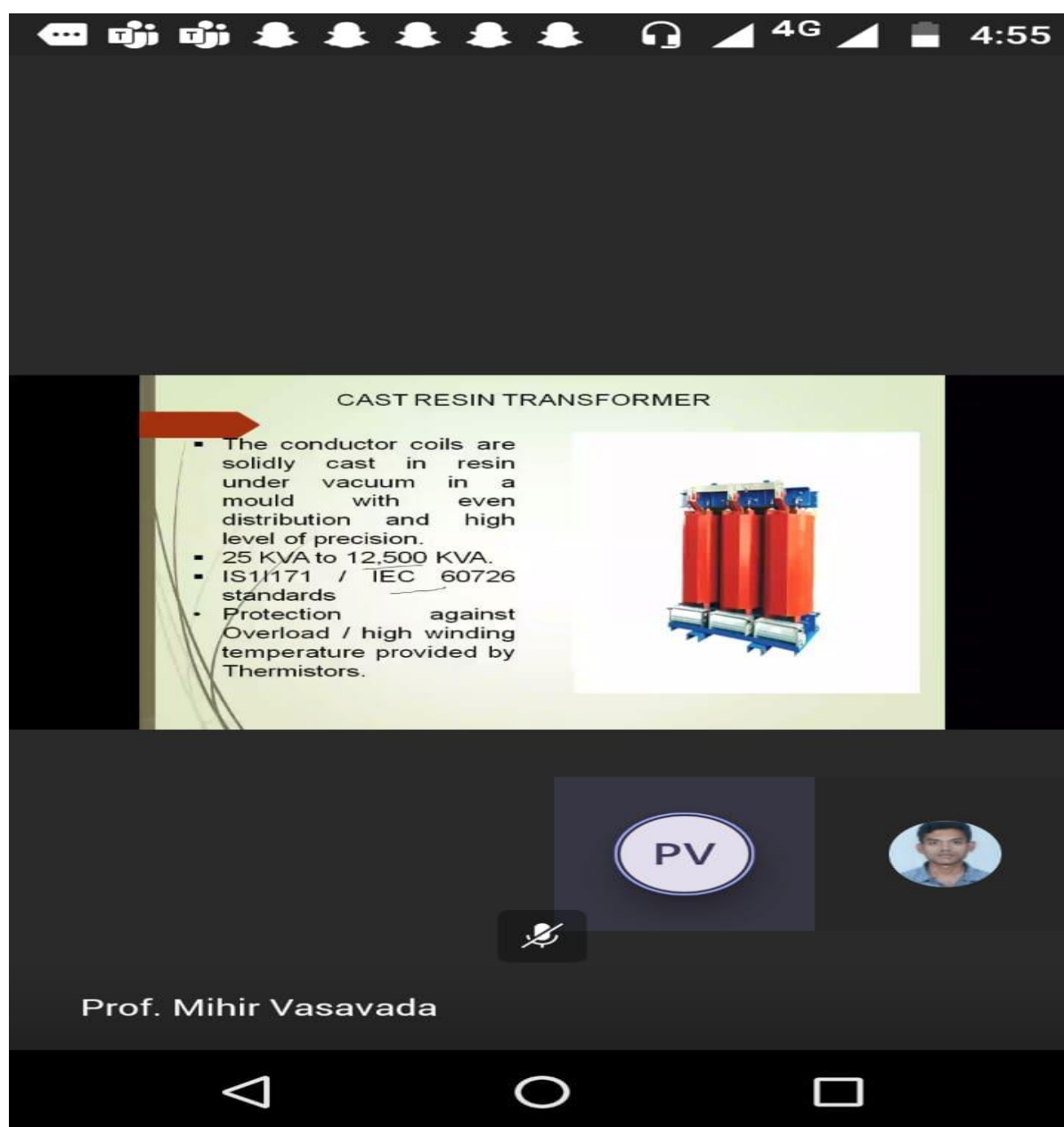


SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	PLATFORM	NO. OF PARTICIPANTS
21	Webinar	06-10-2020	MS Teams	68

### DESCRIPTION

A Webinar on “Recent Trends in Electrical Machines, BLDC basic applications” was delivered by Prof. M. R. Vasavda, Prof. Electrical Department, LD College of Engineering, Ahmedabad in which 68 Students of 3<sup>rd</sup> Sem. had participated. He shared his technical knowledge in the subject of D. C. Machines.

### PHOTOS

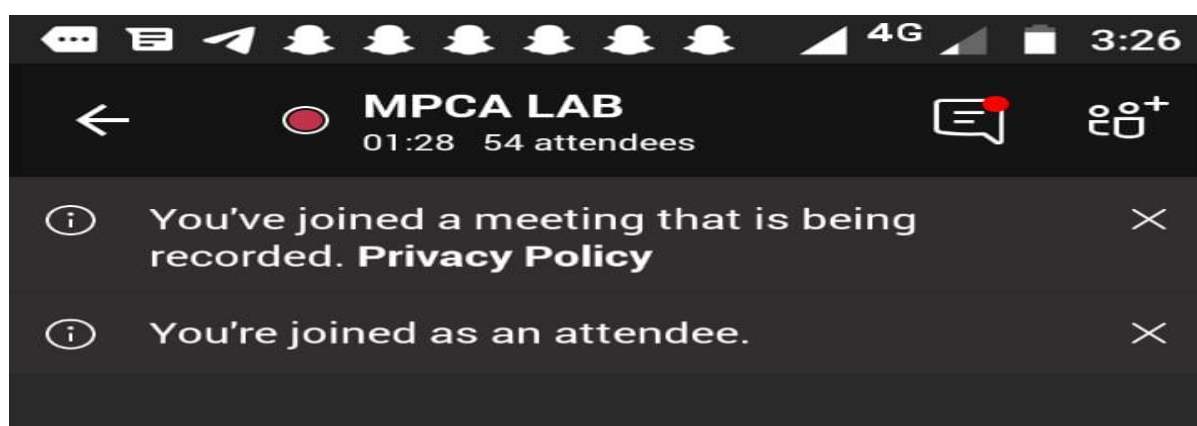


SR. NO.	ACTIVITY NAME	DATE (DD/MM/YY)	PLATFORM	NO. OF PARTICIPANTS
22	Webinar	13/03/2020	MS Teams	52

### DESCRIPTION

A Webinar on “Embedded System Design using Microcontroller” was delivered by Prof. & Dr. H. D. Mehta, Government Engineering College, Modasa in which 52 Students of 5<sup>th</sup> Sem. had participated. He shared his technical knowledge in the subject of Embedded System Design using Microcontroller.

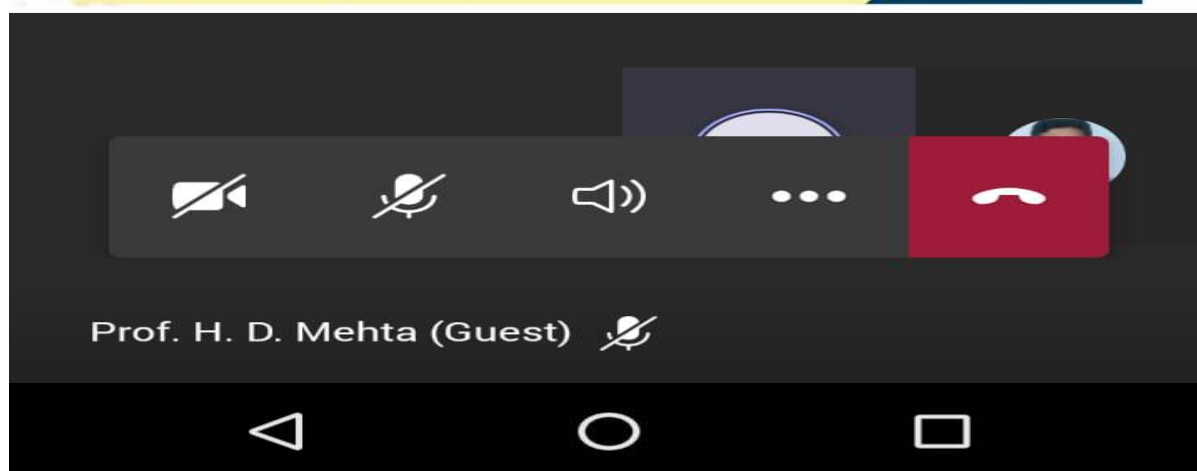
### PHOTOS



### Embedded systems

**What are Embedded Systems?**

- Computers are embedded within other systems:
  - What is “other systems”? – Hard to define.
  - Any computing system other than desktop / laptop server.
- Typical examples:
  - Washing machine, refrigerator, camera, vehicles, airplane, missile, printer.
  - Processors are often very simple and inexpensive (depending on application of course).
- Billions of embedded system units produced yearly, versus millions of desktop units.



**ELECTRICAL**  
**ENGINEERING**  
**DEPARTMENT**

**INDUSTRIAL VISIT**  
**DETAILS**



SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
1	18/08/2017	SARDAR SAROVAR NIGAM LTD., KEVADIA	02	46

#### DESCRIPTION

Industrial visit was organized on 18/08/2017 for the students of 3<sup>rd</sup> semester of Electrical Engineering Department at Sardar Sarovar Hydro Power Station which is a concrete gravity dam built on the Narmada river in Kevadiya near Navagam, Gujarat in India. The dam's main power plant houses six 200 MW Francis pump-turbines to generate electricity and include a pumped-storage capability. Additionally, a power plant on the intake for the main canal contains five 50 MW Kaplan turbine generators. The total installed capacity of the power facilities is 1450 MW. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric power generation & transmission.

#### PHOTOS



<b>SR. NO.</b>	<b>VISIT DATE (DD/MM/YY)</b>	<b>INDUSTRY NAME WITH ADDRESS</b>	<b>NO. OF STAFF</b>	<b>NO. OF STUDENTS</b>
2	17/02/2018	GETCO 220 KV, ICHCHHAPORE SUBSTATION	3	59

**DESCRIPTION**

Industrial visit was organized on 17/02/2018 for the students of 3<sup>rd</sup> semester of Electrical Engineering Department at 220 KV, Ichchhapore substation which is a subsidiary station of an electricity generation, transmission and distribution system where voltage is transformed from high to low or the reverse using transformers. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric power transmission and distribution.

**PHOTOS**



SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
3	26/09/2018	220 KV, ICHCHHAPORE SUBSTATION	03	86

**DESCRIPTION**

Industrial visit was organized on 26/09/2018 for the students of 3<sup>rd</sup> semester of Electrical Engineering Department at 220 KV, Ichchhapore substation which is a subsidiary station of an electricity generation, transmission and distribution system where voltage is transformed from high to low or the reverse using transformers. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric power transmission and distribution.

**PHOTOS**



<b>SR. NO.</b>	<b>VISIT DATE (DD/MM/YY)</b>	<b>INDUSTRY NAME WITH ADDRESS</b>	<b>NO. OF STAFF</b>	<b>NO. OF STUDENTS</b>
4	29/12/2018	ATOMIC POWER STATION, KAKRAPAR	02	51

**DESCRIPTION**

Industrial visit was organized on 29/12/2018 for the students of 6<sup>th</sup> semester of Electrical Engineering Department at Atomic Power Station, Kakrapar which is a nuclear power station in India, which lies in the proximity of Vyara, Dist. Tapi in the state of Gujarat. It consists of two 220 MWe pressurized water reactor with heavy water as moderator (PHWR). KAPS-1 went critical on 3 September 1992 and began commercial electricity production a few months later on 6 May 1993. KAPS-2 went critical on 8 January 1995 and began commercial production on 1 September 1995. The power plant supplies electricity to following states: Gujarat, Madhya Pradesh, Maharashtra, Goa, Daman & Diu. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric power generation.

**PHOTOS**



SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
5	16/03/2019	SARDAR SAROVAR NIGAM LTD., KEVADIA	4	91

#### DESCRIPTION

Industrial visit was organized on 16/03/2019 for the students of 4<sup>th</sup> semester of Electrical Engineering Department at Sardar Sarovar Hydro Power Station which is a concrete gravity dam built on the Narmada river in Kevadiya near Navagam, Gujarat in India. The dam's main power plant houses six 200 MW Francis pump-turbines to generate electricity and include a pumped storage capability. Additionally, a power plant on the intake for the main canal contains five 50 MW Kaplan turbine generators. The total installed capacity of the power facilities is 1450 MW. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric power generation & transmission.

#### PHOTOS



SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
6	21/09/2019	ELECTRIC LOCO SHED, VADODARA	02	44

#### DESCRIPTION

Industrial visit was organized on 21/09/2019 for the students of 5<sup>th</sup> semester of Electrical Engineering Department at Electric Loco Shed, Vadodara which is an electric engine shed located in Vadodara, in the Indian state of Gujarat. It is located to the south of Vadodara railway station, it falls under the Vadodara railway division of western railway. It is the largest of locomotive sheds in the western railway zone. It was established in the 1970s specifically to home dual- power locos. It holds more than 50 WAG 5 class locomotives. It was an AC electric trip shed to house locos coming from other sheds and an AC/DC dual loco shed which houses WCAM class locomotives. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric traction system.

#### PHOTOS



SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
7	04/01/2020	KAY-PEE TRANSFORMER –KIM	02	77

### DESCRIPTION

Industrial visit was organized on 04/01/2020 for the students of 4<sup>th</sup> semester of Electrical Engineering Department at KAYPEE Transformer, Kim which is one of the leading manufacturer and service provider of electric transformer, voltage stabilizer and other electrical equipment in South Gujarat region of India. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of transformer manufacturing & maintenance.

### PHOTOS



SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
8	18/01/2020	ALDC -JAMBUVA	3	65

#### DESCRIPTION

Industrial visit was organized on 18/01/2020 for the students of 4<sup>th</sup> semester of electrical engineering department at area Load Dispatch Centre (ALDC), Jambuva which is the apex body to ensure integrated operation of the power system in an area and responsible for optimum scheduling and dispatch of electricity within the area and monitor grid operations. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electrical transmission & distribution.

#### PHOTOS





SR. NO.	VISIT DATE (DD/MM/YY)	INDUSTRY NAME WITH ADDRESS	NO. OF STAFF	NO. OF STUDENTS
9	18/01/2020	KAY-PEE TRANSFORMER –KIM	03	76

### DESCRIPTION

Industrial visit was organized on 18/01/2020 for the students of 6<sup>th</sup> semester of electrical engineering department at KAYPEE transformer, Kim which is one of the leading manufacturer and service provider of electric transformer, voltage stabilizer and other electrical equipment in South Gujarat region of India. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of transformer manufacturing & maintenance.

### PHOTOS

