

Elect at Glance

E- NEWS LETTER

HALF YEARLY MAGAZINE

July-December- 2020

ELECTRICAL ENGINEERING DEPARTMENT
GOVERNMENT ENGINEERING COLLEGE PALANPUR



Government of Gujarat

GOVERNMENT ENGINEERING COLLEGE PALANPUR

JAGANA, PALANPUR-AHMEDBAD HIGHWAY, PALANPUR - 385011, GUJARAT, INDIA

ફોન નં. (0૨૭૪૨) ૨૨૦૦૦૫, ૨૨૦૦૦૬

Phone-(02742) 220005, 220006

Website: www.gecpl.cteguj.in Email: gec-palanpur-dte@gujarat.gov.in

Index

1. Vision and Mission of Institute
2. Vision and Mission of Department
3. From the Desk of Head of Department
4. Innovation in Teaching Learning
5. Result Analysis
6. Topper of Winter 2021 GTU Exam
7. Department Activity
8. Students Achievement
9. Faculty Training
10. Research and Publication
11. Department Faculty

Newsletter Committee

Prof. B R Patel,
Prof. M G Prajapati,

Contact us

Electrical Engineering Department

Government Engineering College, Palanpur
Jagana, Palanpur-Ahmedabad highway,
Palanpur – 385011,
Gujarat, India

Vision and Mission of Institute

VISION

"To be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development"

MISSION

- (1) To achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure.
- (2) To create an ecosystem that promote value based technical education, innovation and entrepreneurship for sustainable development.
- (3) To contribute to industry and society by providing technical and consultancy services.
- (4) To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.

Vision and Mission of Department

VISION

“To develop competent electrical professionals for providing sustainable engineering solutions to society”

MISSION

- (1) To impart quality technical education with professional skills and human values.
- (2) To provide an eco-system that inculcates technical competencies for sustainable development.
- (3) To mentor students in pursuit of professional carrier and entrepreneurship.

From the Desk of Head of Department

It's my honor to welcome you to the Department of Electrical Engineering and our great community of intellectual. The department of electrical engineering was established in 2009 along with the inception of the institute and is affiliated to the Gujarat technological university, Ahmedabad. The department is well equipped with all major laboratories like basic electrical engineering lab, electrical machine lab, control laboratory and others. We are a team of 8 highly qualified, dedicated and experienced faculty members who encourage the students to develop problem solving skills and research attitude.



The faculties of electrical department are actively engaged with colleagues in taking pivotal technical problems of society. We not only teach regular curriculum to the students, but also mentoring them regularly. Being a head of department i except each in his or her path should be a leader. The department has been blessed with many good students since its inception. Many of them are serving at good position in the industries and government sectors. Some of our students have preferred higher studies in the reputed Indian/foreign universities. We regularly arrange an industrial visit for our students to explore their practical skills. Our department is committed for providing excellence in classroom infrastructure, enrichment of the academic and professional experience of students, outreach to the engineering community and society, and advancement in electrical engineering. We are trying our best to transform the knowledge, wisdom, confidence, responsibilities, optimism, motivation, persistence, strong work ethic, self-advocacy, and awareness to our students.

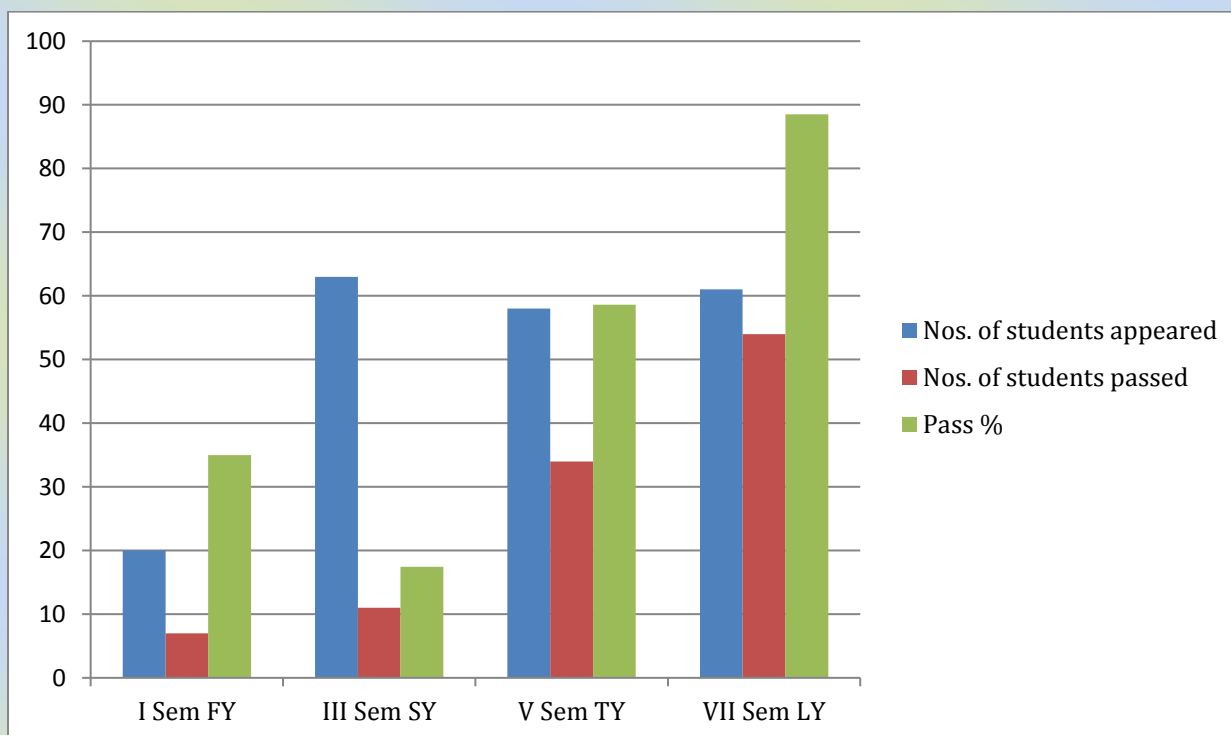
Innovative Practice in Teaching-learning/Assessment Process

Sr. No.	Methodology	Subject	Class	Name of staff
1	Online Teaching through Team Microsoft/Progressive Assessment	ECA & ADE	3 rd Sem	Prof. B. R. Patel
2	Online teaching with graphics tablet/ Progressive Assessment	PS-II and SGP	5 th and 7 th Sem.	Dr. A. M. Patel
3	Online Teaching through Team Microsoft/Progressive Assessment	BEE, ADE, IC and PET	1 st , 3 rd and 5 th Sem	Prof H. N. Chaudhari
4	Online Teaching through Team Microsoft/Progressive Assessment	CST & SS	3 rd and 5 th Sem.	Prof. H. V. Hirvaniya
5	Online teaching using MS white board/ Progressive Assessment	IPS & EM II	5 th and 7 th Sem	Prof. K. G. Prajapati
6	Online Teaching through Team Microsoft/Progressive Assessment	EM-II and II	5 th and 7 th Sem.	Prof. M. G. Prajapati

7	Online Teaching through Team Microsoft/Progressive Assessment	PPS & PYP	1 st and 5 th Sem	Prof. M. K. Patel
8	Online Teaching through Team Microsoft/Progressive Assessment	SGP	7 th Sem.	Prof. J. H. Patel

Result Analysis

Winter - 2020		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	20	7	35.00
SY	III Sem	63	11	17.46
TY	V Sem	58	34	58.62
LY	VII Sem	61	54	88.52



Topper of Winter 2020 GTU Exam

Top Three of 1st Semester

Sr. No	Enrollment No	Name	SPI
1	200610109001	AVINASH KUMAR	8.94
2	200610109008	THAKOR RASHMIBEN BHARATJI	8.41
3	200610109012	SAHIL DILIPBHAI PATEL	7.76

Top Three of 3rd Semester

Sr. No	Enrollment No	Name	SPI
1	190610109011	KUMAR HARSH	7.74
2	190610109008	JAGANIYA HITENDRAKUMAR VIRABHAI	7.48
3	190610109017	NAIR VYSHAKH ANILKUMAR	7.48

Top Three of 5th Semester

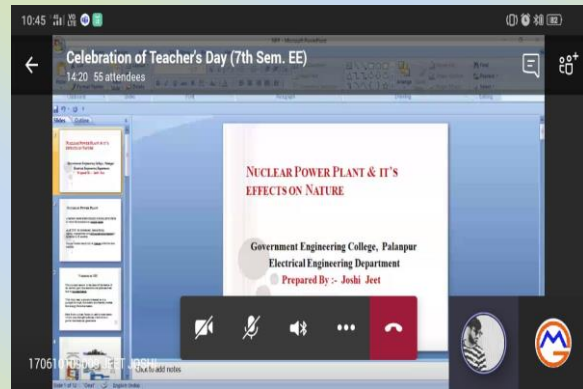
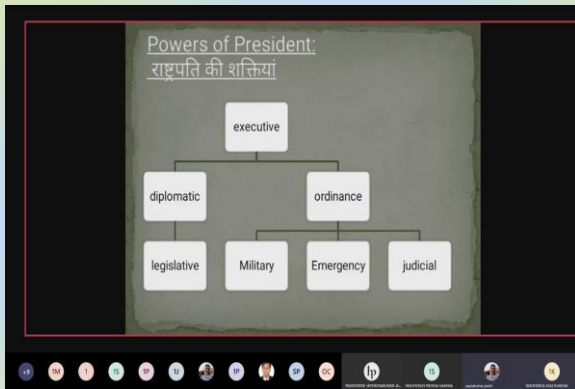
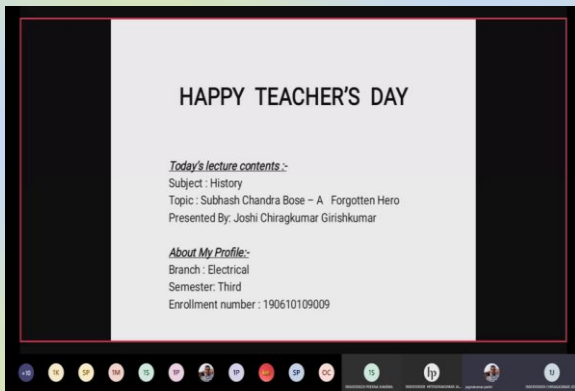
Sr. No	Enrollment No	Name	SPI
1	180610109062	VIRAMGAMI PRIYA SUDHIRKUMAR	9.00
2	180610109055	SINDHI MUHAMMADABUZAR MUNIRBHAI	8.48
3	190613109010	PATEL JAY BHARATBHAI	8.33

Top Three of 7th Semester

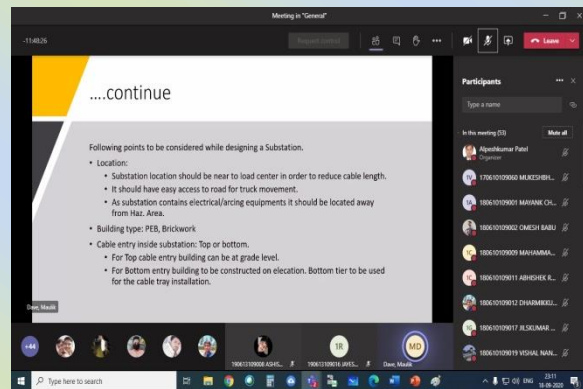
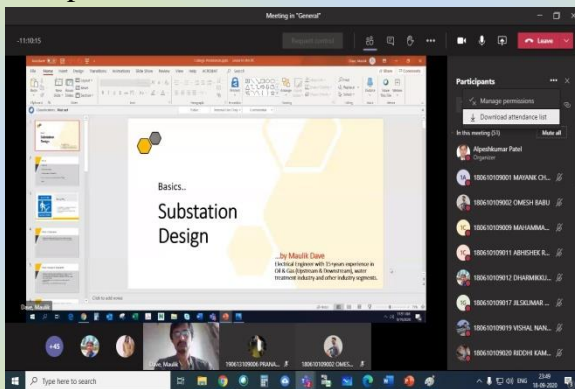
Sr. No	Enrollment No	Name	SPI
1	170610109015	KUMAR SHUBHAM PRADEEP	9.10
2	180613109013	VALIA VIRAJ VALLABHBHAI	9.10
3	170610109047	RATHOD SAGAR DEVIDAS	9.07

Department Activities

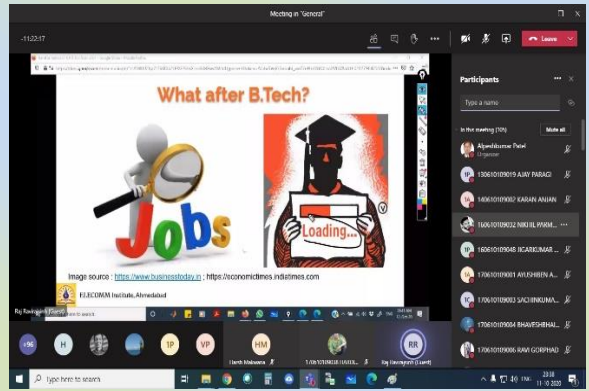
- Department has organized Teachers' Day Celebration on 4th to 5th of September 2020, on the memory of Dr Sarvepalli Radhakrishnan. In this event 16 students from the department had taken the participation and around 130 students were present in the event.



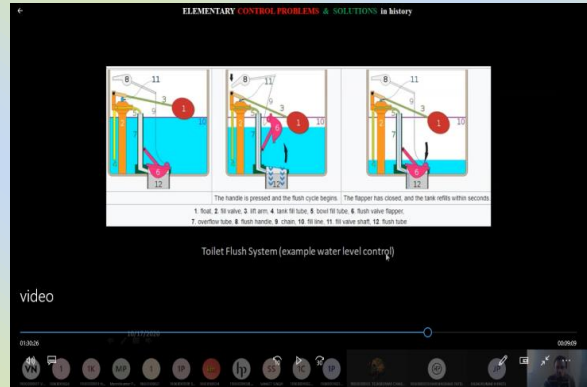
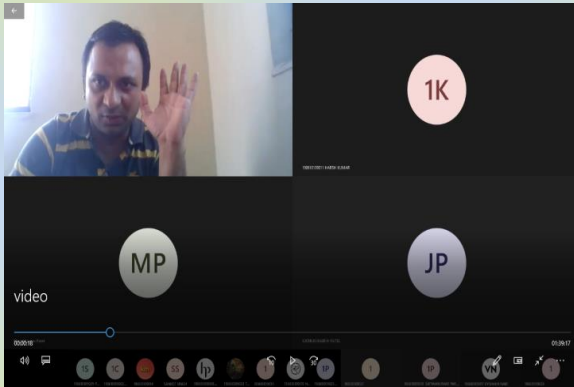
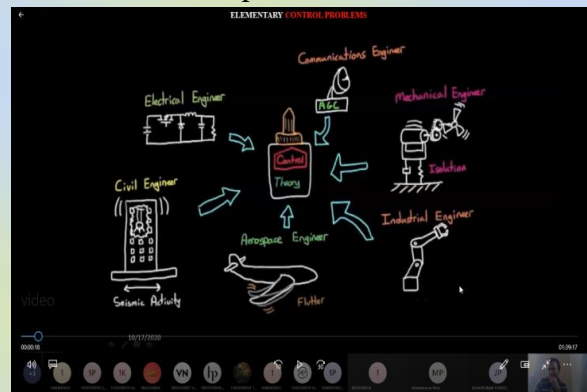
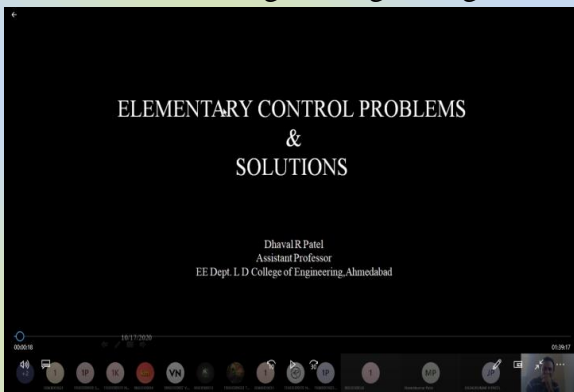
- An expert lecture on “Substation Design” was conducted for 5th Sem. EE students on September 19, 2020. Total 53 students benefited.



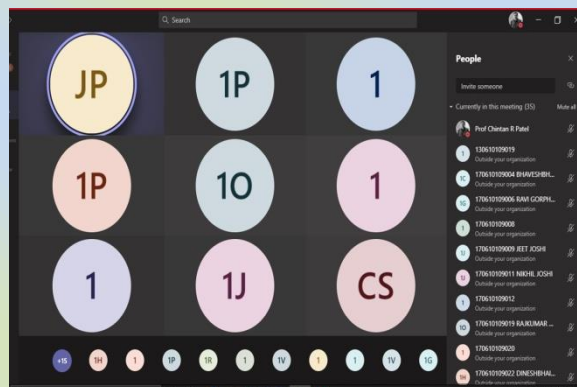
- On the occasion of 151st anniversary of Father of Nation Mahatma Gandhi Department has organized Online Quiz Competition on 2nd October, 2020 for the students of Electrical engineering department. Total 102 students have participated in the competition.
- Electrical Engineering Department in association with the Elecomm Institute, Ahmedabad have jointly organized a free webinar on “Transformation of GATE-2021” on October 12, 2020 for final, pre-final and graduated EE students of the institute and surrounding institutions. Total 121 students participated, including 24 students from the surrounding institutions.



- For 3rd Semester Students, Department had organized an expert session on "Elementary Control Problems and their Solution" on 17/10/2020 from 11:00am to 12:30pm. Prof. Dhaval Patel from L.D. Engineering College, Ahmedabad was invited as speaker.



- For 7th Semester Students, Department had organized an expert session on "Power System Protective Relaying and short circuit calculations" on 17/10/2020 from 10:30am to 12:30pm. Prof. Chintan Patel from G.H. Patel College of Engineering & Technology, Vallabh Vidyanagar was invited as speaker.



Students Achievement

Sr.	Student Name	Enrollment No	Event	Event Date	Rank
1	Yadav Niranjan R	190613109021	Droid II, Techfest, Techkshetra '20	14-02-20	II

Faculty Training

Sr. No.	Faculty	Training Title	Organizer	From	To
1	Prof. B. R. Patel	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
2	Prof. B. R. Patel	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20
3	Dr. A. M. Patel	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
4	Dr. A. M. Patel	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20
5	Prof. H. N. Chaudhari	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
6	Prof. H. N. Chaudhari	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20

7	Prof. H. V. Hirvaniya	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
8	Prof. H. V. Hirvaniya	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20
9	Prof. H. V. Hirvaniya	Nurturing Innovation and Startup Ecosystem (NISE)	Gujarat Student Startup and Innovation Hub	08/09/20	24/10/20
10	Prof. K. G. Prajapati	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
11	Prof. K. G. Prajapati	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20
12	Prof. M. G. Prajapati	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
13	Prof. M. G. Prajapati	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20
14	Prof. M K Patel	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
15	Prof. M K Patel	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20
16	Prof. M K Patel	Nurturing Innovation and Startup Ecosystem (NISE)	Gujarat Student Startup and Innovation Hub	08-09-20	23-10-20
17	Prof. M K Patel	ANSYS HFSS	Khodiyar CAD Center India Pvt Ltd	13-08-20	13-08-20
18	Prof. M K Patel	ANSYS EM	Khodiyar CAD Center India Pvt Ltd	17-08-20	17-08-20
19	Prof. J H Patel	Comprehensive Online Intellectual Property Rights (IPR)	i-HUB, Gujarat	06/07/20	14/09/20
20	Prof. J H Patel	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method)	KCG, Gujarat	28/07/20	18/08/20

Research and Publication

Patel H. D., Singal, S. K., Saini, R. P., and Patel, A. M. (2020), "Integrated Renewable Energy System for Off-grid Remote Rural Area using HOMER", International Conference on Challenges and Applications in Clean Energy, December 25-26, 2020, Kurukshetra, Haryana, India.

Department Faculty

Sr. No.	Name of Faculty	Designation	Highest Qualification	Teaching Experience
1	Prof. B R Patel	Assistant Professor	M.E. (Power System)	16
2	Prof. A M Patel	Assistant Professor	Ph.D. (Electrical)	13
3	Prof. H N Chaudhari	Assistant Professor	M.E. (Power System)	9
4	Prof. H V Hirwaniya	Assistant Professor	M.Tech. (Electrical)	8
5	Prof. K G Prajapati	Assistant Professor	M.E. (Power System)	7
6	Prof. M G Prajapati	Assistant Professor	M.E. (Industrial Electronics)	8
7	Prof. M K Patel	Assistant Professor	M.Tech. (Electrical)	6
8	Prof. J H Patel	Assistant Professor	M.E. (Power System)	9