

Government Polytechnic Rajkot

Electrical Engineering Department

WORKSHOP EVENT REPORT

Event:	Hands on workshop on Power Electronics
Date:	18/09/2025
Expert	Prof. Kunjan Bhandari, Mr. Kuldeepsinh Jadeja Department of Electrical Engineering, V. V. P. Engineering College, Rajkot
Event Co-Ordinator:	Miss K. P. Ravat (Lecturer – Electrical) Miss M. M. Chavda (Lecturer – Electrical) Mr. K. A. Jadav (Lecturer – Electrical)
No. of participants	34

Introduction

The Department of Electrical Engineering, Government Polytechnic Rajkot, organized a Hands-on Workshop on Power Electronics on 18th September 2025. The aim of the workshop was to provide students with practical exposure and a deeper understanding of power electronic circuits, their applications, and their role in modern electrical systems.

Workshop Highlights

The workshop was conducted by Prof. Kunjan Bhandari and Mr. Kuldeepsinh Jadeja from V. V. P. Engineering College, Rajkot, who shared their expertise and practical knowledge in the field of power electronics.

The focus of the session was on the Three Phase Inverter Kit, which was used to demonstrate practical applications and experiments.

Students were introduced to the working principle, control techniques, and industrial applications of inverters.

A detailed explanation of circuit operation, pulse generation, and output waveform analysis was given, followed by a practical demonstration.

Students actively participated in performing the experiments, taking measurements, and observing the waveforms on an oscilloscope, which enriched their understanding of inverter operation.

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Learning Outcomes

By the end of the workshop, students were able to:

- Understand the basic concepts and applications of power electronics inverters.
- Operate and test the Three Phase Inverter Kit.
- Analyze the output waveforms and performance parameters of inverters.
- Gain confidence in handling laboratory equipment related to power electronics.
- Bridge the gap between theoretical knowledge and practical implementation.

Conclusion

The workshop proved to be highly beneficial for the 34 participating students, as it provided valuable hands-on experience in the field of power electronics. The session helped students strengthen their practical knowledge and skills, making them better prepared for future academic and industrial challenges.

The Electrical Engineering Department of Government Polytechnic Rajkot extends gratitude to the experts Prof. Kunjan Bhandari and Mr. Kuldeepsinh Jadeja for their valuable guidance, as well as to the co-ordinators Miss K. P. Ravat, Miss M. M. Chavda, and Mr. K. A. Jadav for successfully organizing the event.



(Miss K. P. Ravat)

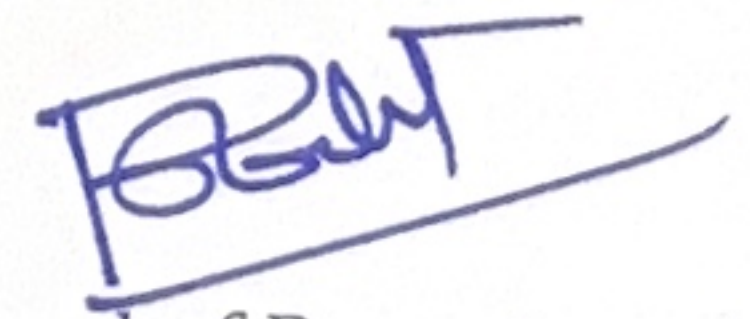


(Miss M. M. Chavda)



(Mr. K. A. Jadav)

Lecturer, Electrical Engg. Dept.,
G. P. Rajkot

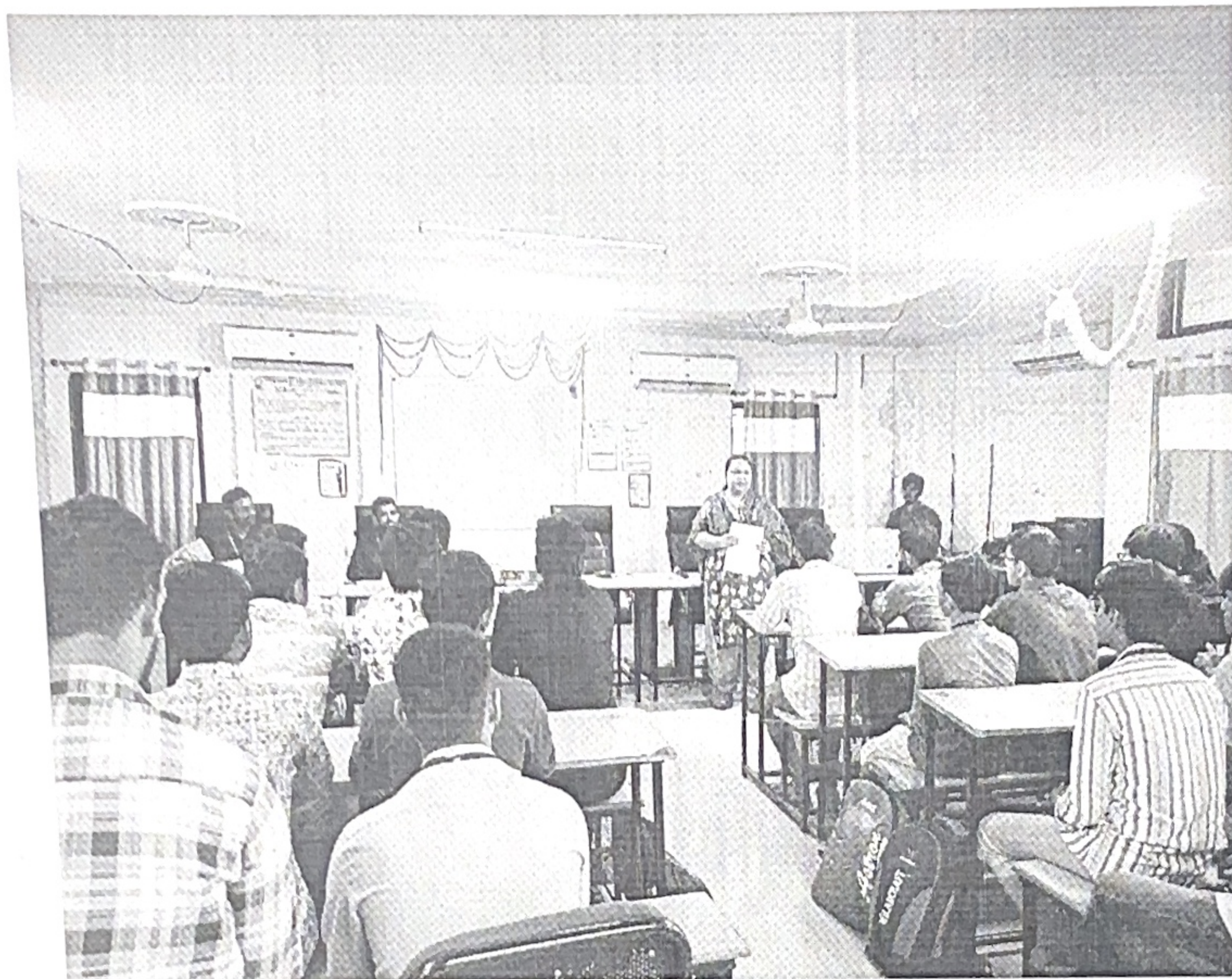


Head of Department,
Electrical Engg. Dept.,
G. P. Rajkot

Government Polytechnic Rajkot

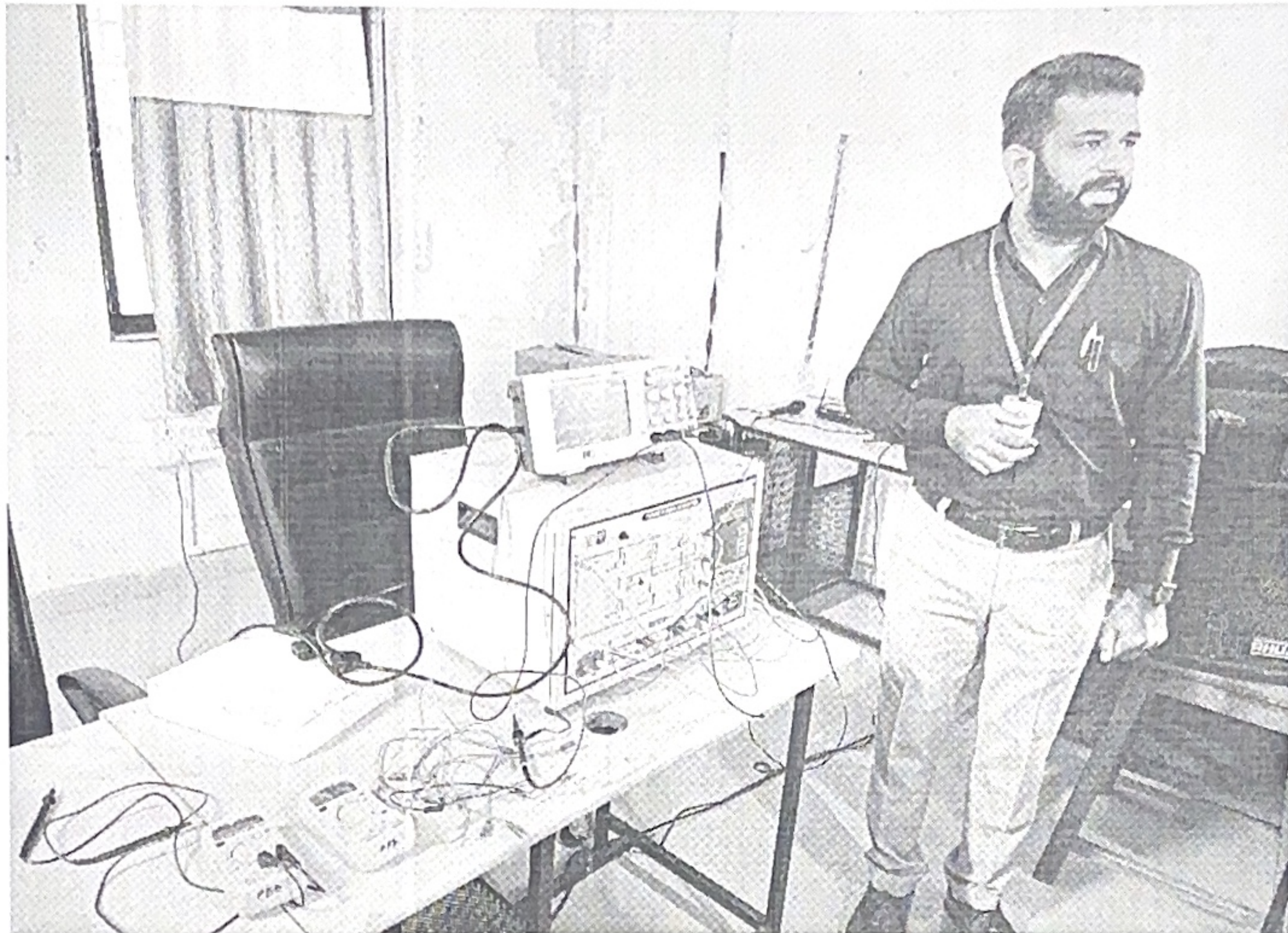
Electrical Engineering Department

Event Glimpses



Government Polytechnic Rajkot

Electrical Engineering Department



(Three Phase Inverter Handson Performance)





સરકારી પોલીટેકનીક, રાજકોટ

આજી ડેમ પાસે, ભાવનગર રોડ, રાજકોટ-૩૬૦ ૦૦૩

Government Polytechnic, Rajkot

Near Aji Dam, Bhavanagar Road, Rajkot-360 003 Ph (O)0281-2387391

Email: gprajkot@yahoo.com

Date: 15/09/2025

To

Prof.Kunjan Bhanderi,

Assistant Professor,

Mr.Kuldeepsinh Jadeja

Department of Electrical Engineering,

V. V. P. Engineering College, Rajkot.

Subject - Invitation to deliver an expert lecture on "Hands on workshop on Power Electronics"

Dear Sir,

Government Polytechnic Rajkot is one of the premier institutes of the state and has a vision to be a centre of excellence in technical education, in the region by imparting quality education. The Department of Electrical Engineering of this institute is also working with the same vision.

As a part of the teaching- learning activity, the Department of Electrical Engineering organizes expert lectures for the benefit of the students. Being a leading academican in the area of Power Electronics, we are pleased to invite you to deliver an expert lecture on the topic of **"Hands on workshop on Power Electronics"** Your expertise in this area will definitely be helpful to our students and faculty members to enhance their knowledge.

We would like to arrange expert lecture at Conference hall of Electrical Engineering Department of Government polytechnic Rajkot on Date: 18/09/2025, Time: 11:00 AM to 01:00 PM. If the above mentioned date and time is not suitable then please feel free to suggest your conveniences. Hope you will accept the invitation.

Thanking You,

With Warm Regards,

Shree K.A.Jadav
Subject coordinator
Lecturer
Electrical Engg. Dept.
G. P. Rajkot

Miss. K.P.Ravat, Miss. M. M. Chavda
Class Coordinator
Lecturer
Electrical Engg. Dept.
G. P. Rajkot

Head of Department
Electrical Engg. Dept.
G. P. Rajkot



સરકારી પોલીટેકનીક, રાજકોટ

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Government Polytechnic, Rajkot

Near Aji Dam, Bhavanagar Road, Rajkot-360 003 Ph (O)0281-2387391

Email: gprajkot@yahoo.com

Date: 18/09/2025

To

Prof. Kunjan Bhandari,

Assistant Professor,

Mr. Kuldeepsinh Jadeja,

Department of Electrical Engineering,

V. V. P. Engineering College, Rajkot.

Subject - Letter of Appreciation for delivering an expert lecture on "Hands on workshop on Power Electronics"

Dear Sir,

The Department of Electrical Engineering at Government Polytechnic Rajkot would like to thank you and express our appreciation for delivering hands on, informative and thought provoking workshop as an expert on **"Hands on workshop on Power Electronics"** held on Date: 18/09/2025. It was an honor for Government Polytechnic, Rajkot to have you as one of our resource speakers.

It was really a splendid presentation which exposed students to applications of Power Electronics. All the students and faculty members appreciated and got benefited from your views on the subject.

We know your time is precious and we are grateful you shared some of it with us. We look forward to your participation on future events also. We would also like to thank the management of V. V. P. Engineering College for their support to make this event successful.

Again Thanking You. We hope to see you soon again.

With Warm Regards,

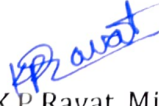

Shree K.A. Jadav

Subject coordinator

Lecturer

Electrical Engg. Dept.

G. P. Rajkot

 
Miss. K.P. Ravat, Miss. M. M. Chavda

Class Coordinator

Lecturer

Electrical Engg. Dept.

G. P. Rajkot


Head of Department
Electrical Engg. Dept.
G. P. Rajkot

GOVERNMENT POLYTECHNIC RAJKOT
ELECTRICAL ENGINEERING DEPARTMENT
POWER ELECTRONICS (4350902)
NOTICE FOR 5TH SEMESTER STUDENTS

DATE: 15-09-2025

ડિપ્લોમા Electrical Engineering Department, 5th સેમેસ્ટર માં અભ્યાસ કરતાં વિદ્યાર્થીઓ માટે તા 18/09/2025 ના રોજ સવારે 11:00વાગ્યાથી 01:00 વાગ્યા સુધી એક્સપર્ટ લેક્ચરનું આયોજન કરવામાં આવેલ છે.

એક્સપર્ટ લેક્ચરનો વિષય:

HANDS ON WORKSHOP ON POWER ELECTRONICS (4350902)

સદર આયોજનમાં દરેક વિદ્યાર્થી હાજર રહે તેવી સુચના આપવામાં આવે છે .

Date: 18-09-2025

Day : Thursday

Time: 11:00 AM to 01:00 PM

Venue: Conference hall, Electrical Department.


HEED

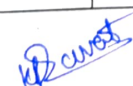
ELECTRICAL ENGINEERING DEPARTMENT

HANDS ON WORKSHOP ON POWER ELECTRONICS (4350902)

DATE:- 18-09-2025 TIME:- 11:00AM TO 01:00PM

EXPERT LECTURE ATTENDANCE

SR.NO	ENROLLMENT NO.	NAME OF STUDENTS	SIGN OF STUDENTS
1	236200309012	chandegga Kishan S.	C.K.S.
2	236200309043	Kateliya Vasy J.	V.J.K.
3	236200309018	chudasama Himanshu M.	Ch
4	236200309020	Dubhai Kishish A.	H.A.alei
5	236200309064	Nakum Nilesh R.	N
6	236200309022	Damsur Kishan U.	K.U.Damsur.
7	236200309015	chamsliya nimesh M.	C
8	246208309002	Bhati Kavya A.	B
9	236200309011	Bohariga Yashraj L.	Y
10	236200309085	Sokanki Sakun B.	S
11	236200309083	Solanki Lavkit J.	S
12	236200309068	PARMAR RamiZ S.	R.PARMAR
13	236200309029	Grohi AYANK R.	G.A.R
14	236200309044	Karega Jesh A.	K.J.A.
15	236200209057	MEHRAHANI HADSHIE H.	M
16	236200309021	Dakora Ayan M.	D.A.M.
17	236200309071	Piloodh Ankesk M.	Ankesk P
18	236200309066	Padakoya Bhaygar K.	B.v.P.
19	236200309038	Jalu Kasmdeep C.	K
20	236200309014	chavda Smit H.	S.M.H.
21	236200309061	Mishra Dhyanveer S.	M
22	236200309028	Goswami Manoj	G
23	236200309059	mer bhavesh B.	B.B.mer
24	226200309049	Papsera Tirth h.	T
25	236200309076	Rathod Milind B.	M.R.Rathod
26	236200309047	Koshiya Rahul M.	R
27	216200309017	Rathod meet R.	R
28	226200309039	Lakhanotra Baby D.	L.B.D
29	236200309081	Sindhan Mayurish G.	M
30	236200309070	Pindadiya Pijush V.	P.P.V.
31	226200309032	Kaliya madur M.	K
32	236200309039	Kamaliya Yash P.	Y
33	236200309050	Madhadiya Ravin D.	M
34	236200309046	KODALA Dixit. B.	K.D.B.
35			

 (MMC)
  (KAJ)
  (KPR)

FACULTY SIGN



HOD SIGN