

CURRENT AFFAIRS

Issue-14

(Jan to June 2022)



UPL UNIVERSITY
OF
SUSTAINABLE TECHNOLOGY



SHROFF S. R. ROTARY INSTITUTE
OF CHEMICAL TECHNOLOGY

DEPARTMENT OF
ELECTRICAL ENGINEERING

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VISION & MISSION



To attain global recognition in the field of Electrical Engineering and to provide excellent education and groom the students into competent professionals to take up initiatives for industry and to overcome challenges of society.



- To impart high quality technical education to produce globally competent Electrical Engineering Professionals.
- To cultivate need based courses to strengthen industry-academia relationships for mutual benefit.
- To give an enabling educational experience through connections with industry and by integration of theory and practice.
- To encourage graduates for lifelong learning, foster teamwork and leadership with Self-learning attitude & professional ethics.

Editorial Message

Dear Readers,

The beginning of the academic year is at its heart, a fantasy of newness and clean slates of the chance to do things differently and with more attention to purpose. In reality, it's also one of the most challenging times of year for many of Us.

With the commencement of new academic session for UPL University of Sustainable Technology, new dreams, hopes, aspirations and events are also unfolding.

We release this magazine every semester covering the department activities that happens within and outside college campus for the betterment of students and faculty members.

This semester from Jan to June 2022 was with lots of opportunities and we in fact have grabbed those opportunities and ventured into new generation of teaching-learning to continue the regular activities. The Department initiatives are well appreciated by parents.

We from Department of Electrical Engineering are unstoppable in delivering our best for the benefit of students. We welcome your suggestions in improving this initiatives further upscale.



Mr. Hiren Jariwala
Assistant Professor
Electrical Engineering



Mr. Tejas Chaudhari
Sem-7 Student
Electrical Engineering



Mr. Krunal Rana
Sem-7 Student
Electrical Engineering



Ms. Nirali Kharchaiya
Sem-5 Student
Electrical Engineering



Mr. Satish Kumar
Sem-5 Student
Electrical Engineering

Message from Provost



Happy Engineers Day

Science is about knowing,
Engineering is about doing.

Dr. Shrikant J. Wagh

Provost, UPL University of Sustainable Technology



HOD Message



The Electrical Engineering department strives to provide a conducive environment for the students to develop technical, analytical and practical skills and apply them to the real world problems. To motivate the students the department organizes regular training in state of art software & hardware, arranges workshops, expert talks, industrial visits, peer learning and mentor-student meetings. Electrical engineering department is running successfully URJA CLUB and IE (I) student chapter which mainly concentrates in creating awareness regarding Energy Conservation, its importance, available renewable energy alternatives, emerging technologies and recent energy market scenario around the globe for effective energy utilization among the students and staff. The department Newsletter will definitely help to show-case the activities that are happening in our department. It provides a platform for exposing the merits and academic achievements of the faculty and students. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the department

Dr. Jalpa Thakkar,

Head of Electrical Engineering Department- SRICT
UPL university of Sustainable Technology

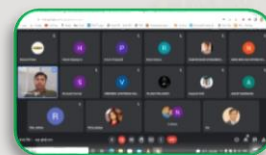
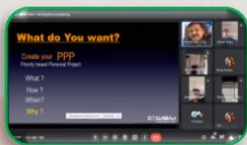
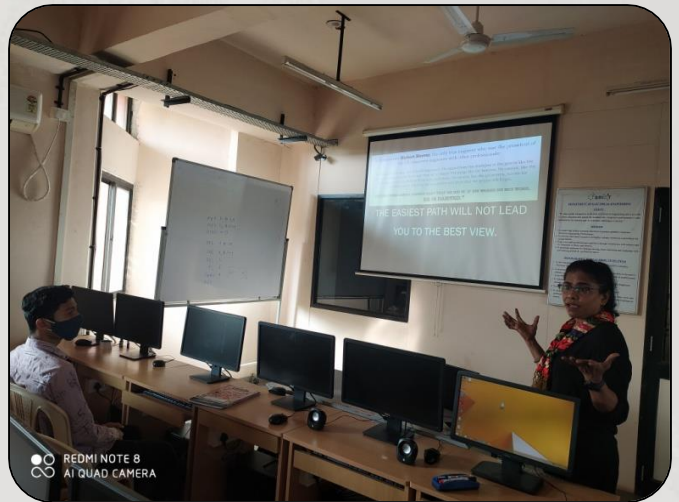
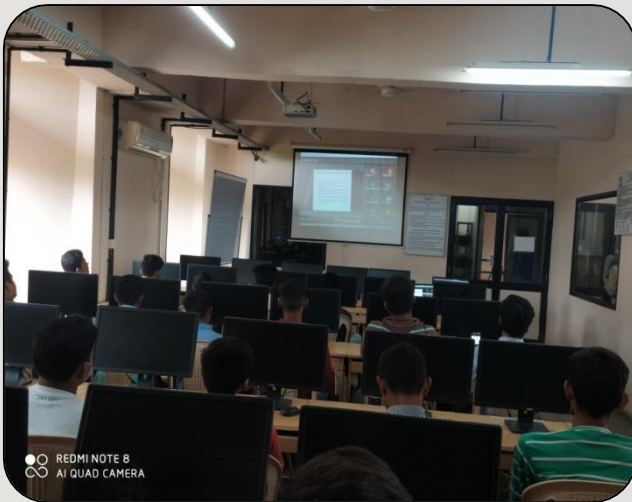
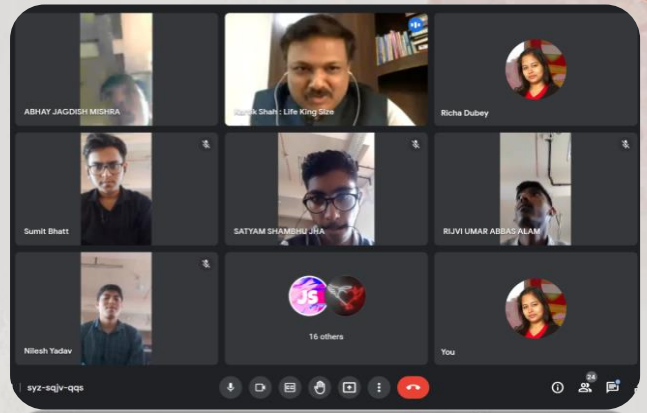
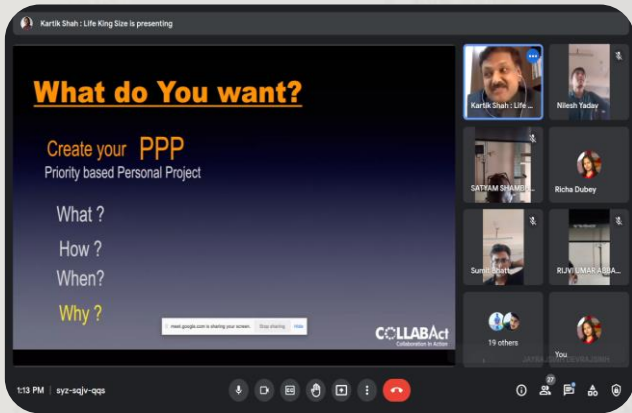


Expert Lecture

Sr. No.	Name of Speaker	Designation	Name of Organization	Title of Topic
1	Mr. Gaurav Patel	Advocate	Gujarat High Court, Ahmedabad	Indian Constitution- Fundamental Right to Freedom under Article-19
2	Mr. Kartik Shah	Life & Bussiness Coach	Mr. Kartik Shah,, Vadodara	Entrepreneurship & Managerial skills
3	Mr. Vishal Salvi,	Manager ioT,	Ambetronics	IoT based Automation and Industrial Safety
4	Mr. Rajyaguru, Electrical head	Electrical Head	UPL-2	Maintenance Techniques
5	Mr. Kevadiya Ketan	Plant Head	UPL-3	Production Management

Sr. No.	Name of Speaker	Designation	Name of Organization	Title of Topic
7	Mr. Nimesh Parimal	Executive Engineer	GETCO	Power System Practices at Substations
8	Ms. Madhu Ars,	Free Lance 5S Auditor, Lean Consultant	Free Lance 5S Auditor, Lean Consultant	Understanding Ethical Culture in Organization
9	Mr. Paritosh Giri, ,	Sr. Engineer	Prolific Systems and Technologies Pvt Ltd	Introduction to PLC and SCADA in Measuring Instruements
10	Mr. Ajay Dodiya, Sr. Engineer,	Sr. Engineer	Firmenich Aromatics	Industrial Electrostatics
11	Mr. Mahesh Malusare	Trainer	Acumen	How to Prepare for Competitive Exams-GATE,ESE

GLIMPSE OF EXPERT LECTURE

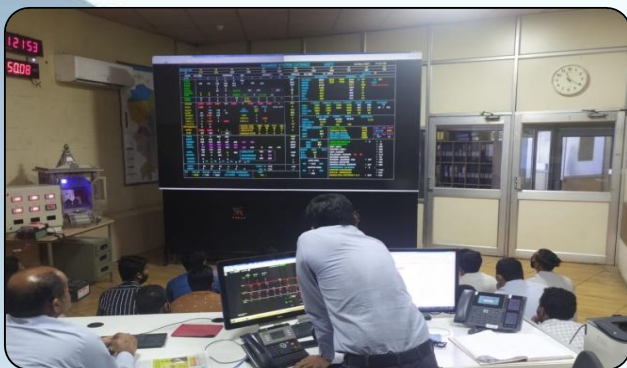




Industry visit



Semester	Date	Name of Organization
6	15.11.2021	General Electro Engineers
	24.11.2021	ALDC, Jambuva
	25.03.2022	UPL Unit 12
4	25.03.2022	UPL Unit 12
	05.04.2022	Solarism
	14.05.2022	Akhil Industries
2-BE & DE	13.05.2022	Godrej Industries



PEER LEARNING INITIATIVES



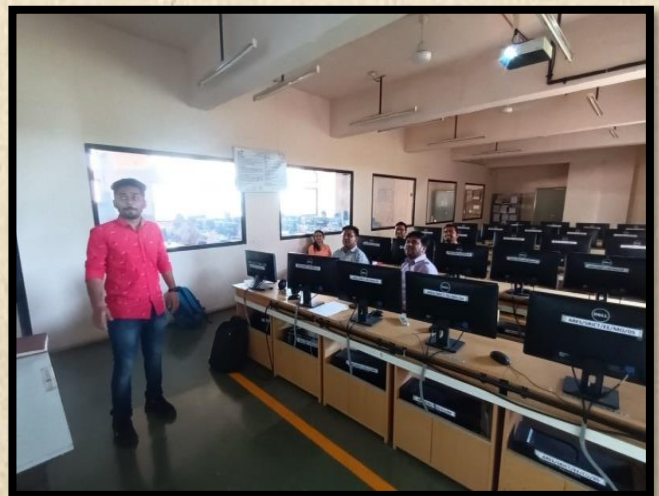
**TOTAL 29
PLI DELIVERED
BY
STUDENTS**

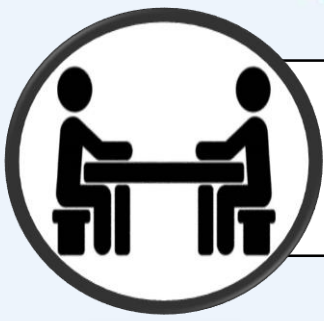




Project Review

The Department of Electrical Engineering has organized the Internship Review Meetings for the 8th Semester students. Department has appointed Dr. Jalpa Thakkar, Mr. Sourav Choubey & Mr. Hiren Jariwala as a reviewer panel. Reviewers went through student's presentations and guided them regarding their Internship. Reviewers have given their valuable suggestions in order to improve their Project/Internship.





1-2-1 Meeting

One to one interaction with students has always been conducted at SRICT for not only the academic improvement of students but also for the purpose of building trust, providing support and receiving feedback/ Suggestions. For the same purpose an interacting sessions were organised for the 8th, 6th, B.E. 1st& D.E. 1st semester Electrical Engineering students with Mr. Ashok Panjwani, President-UPL University and discussed about the feedback of facilities provided, problems and difficulties faced by students .





Students were motivated to improve their focus towards the study and increase their study hours. Weaker students were also motivated to improve their performance in upcoming exams. Students have appreciated the efforts taken by management for their academic growth.



Industrial EXPO Visit

Department of Electrical Engineering, SRICT &IE(I) Student Chapter Electrical Engineering have jointly coordinated a visit at Industrial Expo, Ankleshwar for 6th Semester Degree Engineering Students and faculty members of Electrical Engineering on 07/01/2022 with the objective to interact with the industry persons and to understand the advancement in the certain products related to industries. Students had a great exposure about the Industrial operations. The interactions among the Industrial persons and students were very informative and knowledge sharing. They also guided the students towards practical knowledge in terms of product understandings and suggested that they should select the areas like web development, mobile application development & software testing, Automation etc. for their future work.



Industrial EXPO Glimpse



SRICT &IE(I) Student Chapter Electrical Engineering have jointly coordinated a visit at Industrial Expo, Ankleshwar



International Women's Day

Women Development Cell of UPL University have celebrated International Women's day on 8th March 2022 at University campus with Various events like Self Defence training, Fun games and a session on women's health. Ms. Naitika Patel, SDM- Ankleshwar remained present as a chief guest in inauguration function of the program. The Program was coordinated by Dr. Jalpa Thakkar, Head- EE dept. & Coordinator of Women Development cell under the guidance of Prof. Shrikant J Wagh, Provost UPL University of Sustainable Technology.







Parent Teacher Meeting

Department of Electrical Engineering, SRICT has organized Parents Teacher Meeting with the parents of 6thSem, 4th Sem, 2ndSem Degree and 2ndSem Diploma Electrical Engineering students on 22/04/2022. Parents have attended the meeting and praised all the efforts made by the department and SRICT/ UPL University for the study of students. During the meeting Dr. Jalpa Thakkar, HOD Electrical Engineering, Mr. Sourav Choubey, Ms. Richa Dubey, Mr. Hiren Jariwala and Mr. Ankur Gheewala, class advisors have discussed with all the parents regarding the academic performance of the students and asked the parents to motivate the students to work hard to achieve good results. Suggestion for the parents were also taken for the betterment of students and department also.



Parent Teacher Meeting 22/04/2022

Department of Electrical Engineering
SRICT



practice
development
inspiration
COACHING
mentoring
knowledge
motivation

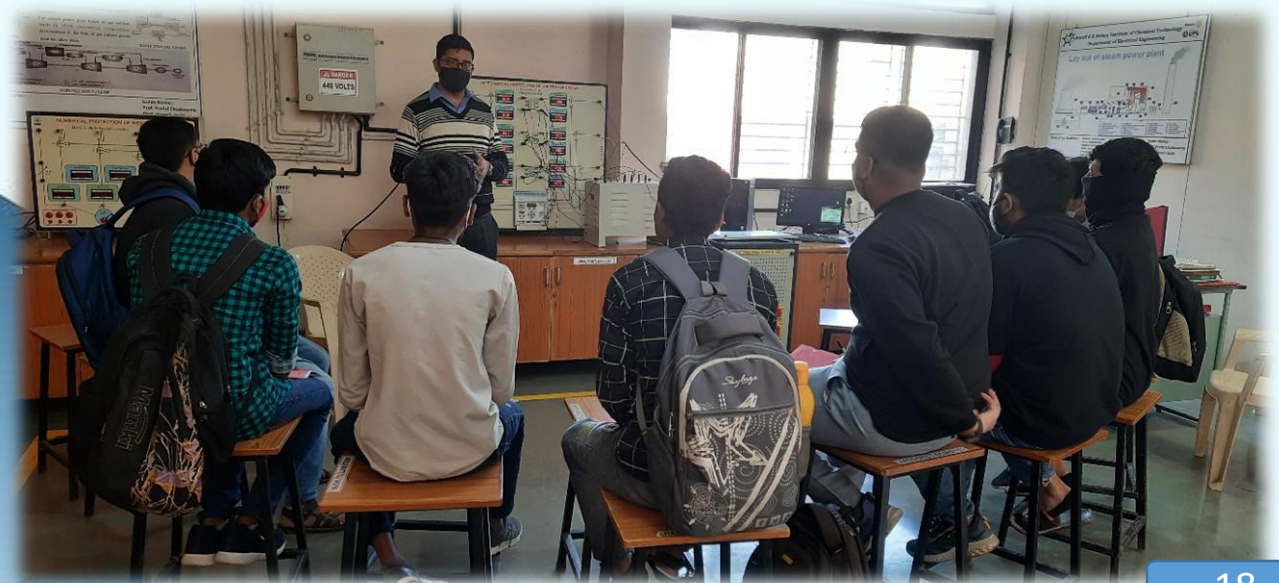


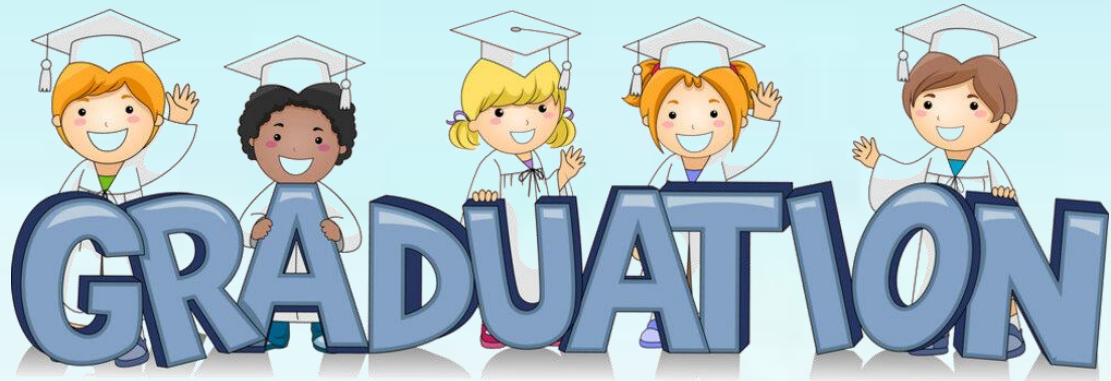
The Department of Electrical Engineering of SRICT has organized a Workshop on “**Modern Power System Protection and Relaying**” for the Diploma Electrical Engineering students from various nearby diploma engineering colleges in offline mode. This offline Workshop was delivered by Faculty members from Department of Electrical Engineering, SRICT. A total of 130 students of Diploma Electrical Engineering were participated in this workshop. The Practical Demonstration of different protection schemes for Transformer, Transmission Lines, Induction Motor etc. were given to the students.





Glimpse of Workshop





GRADUATION



Achievement

UPL OpenVg

UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY

Rotary Ankleshwar

POWER 2018

Garpat University U. V. Patel College of Engineering

Certificate

This is to certify that **Sarvesh Tripathi** has actively participated in the poster presentation competition on "Recent Trends in Green Energy Technology" organized by E-Power Club, Department of Electrical Engineering, Ganpat University, U. V. Patel College of Engineering on 27th May 2023.

Sarvesh Tripathi, Sem-6

Congratulations.....
For securing 5th position in Poster Presentation Competition at **GANPAT UNIVERSITY-U. V. Patel College of Engineering**

POWER 2018

Garpat University U. V. Patel College of Engineering

Certificate

This is to certify that **Hansoti Joy** has actively participated in the poster presentation competition on "Recent Trends in Green Energy Technology" organized by E-Power Club, Department of Electrical Engineering, Ganpat University, U. V. Patel College of Engineering on 27th May 2023.

Hansoti Joy, Sem-6

POWER 2018

Garpat University U. V. Patel College of Engineering

Certificate

This is to certify that **Raulji Vijayrajsinh** has actively participated in the poster presentation competition on "Recent Trends in Green Energy Technology" organized by E-Power Club, Department of Electrical Engineering, Ganpat University, U. V. Patel College of Engineering on 27th May 2023.

Raulji Vijayrajsinh, Sem-6

POWER 2018

Garpat University U. V. Patel College of Engineering

Certificate

This is to certify that **Rana Krunal** has actively participated in the poster presentation competition on "Recent Trends in Green Energy Technology" organized by E-Power Club, Department of Electrical Engineering, Ganpat University, U. V. Patel College of Engineering on 27th May 2023.

Rana Krunal, Sem-6



Students from Department of Electrical Engineering-Mr. Sarvesh Tripathi, Raulji Vijayrajsinh, Hansoti Joy and Krunal Rana had participated in the Poster Presentation Competition on "Recent Trends in Green Technology" at U. V. Patel College of Engineering, Ganpat University under the guidance of Mr. Ankur Gheewala, Assistant Professor-DEE . They have secured 5th position amongst 41 participants and won the cash prize.

ACHIEVEMENT

Faculty Name:
Mr. Ankur Gheewala

NPTEL Course Name:
1. Design of Power Electronics
Converters
&
2. Electric Vehicles Part-1

Faculty Name:
Ms. Richa Dubey

NPTEL Course Name:
1. English Language for
Competitive Exams



Achievement



NPTEL Course on Signal and System
Chaudhry Tejas from 7th Sem EE

BEST STUDENT



**BEST STUDENT OF YEAR 2021-22
FOR THIRD YEAR B.E**

Ms. Dinal Solanki (EE Sem-6)

FELICITATIONS!

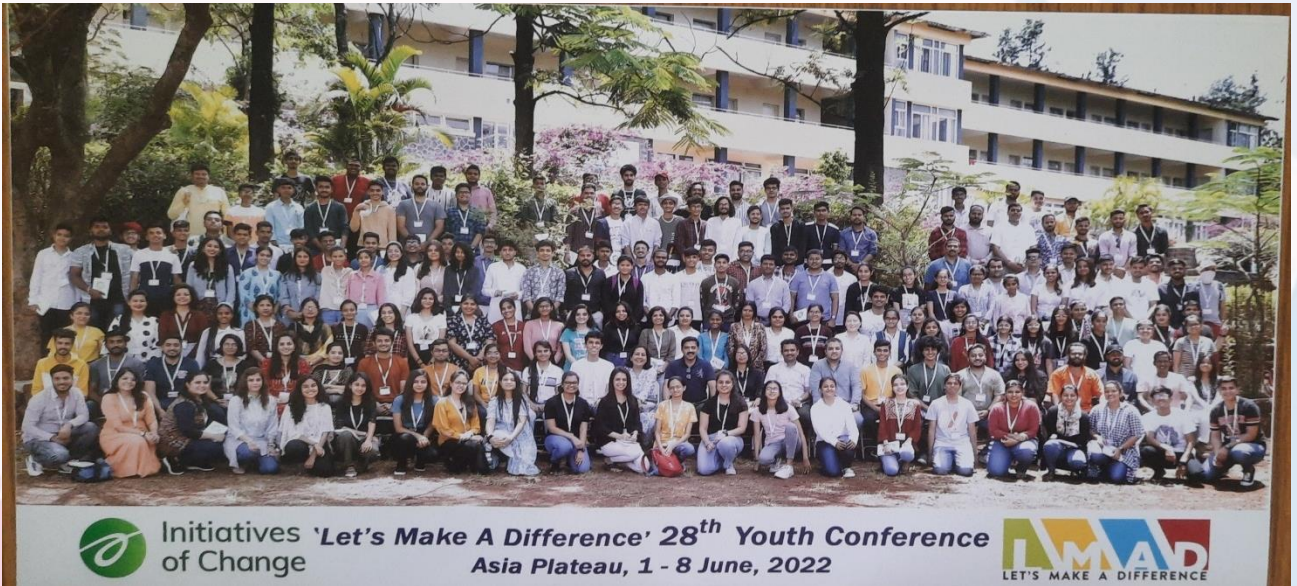
SL.NO.	Enrollment No.	Name of the Student	SPI
1	200990109502	YUNUS IQBAL MULLA	9.81
2	190990109010	SOLANKI DINALBAHEN	8.96
3	190990109003	PATEL DHRUVIL	8.65
4	190990109002	CHAUDHARI TEJASKUMAR	8.61
5	200990109513	MALI VILAS YUVRAJ	8.29
6	180990109001	GAJARE JATIN	8.38
7	190993109005	GOHIL SIDDHRAJSINH	8.00





Let's make a difference

Youth Conference



Initiatives of Change 'Let's Make A Difference' 28th Youth Conference Asia Plateau, 1 - 8 June, 2022



Initiatives of Change



Let's Make A Difference presents this certificate to

Krunal Shah

for actively participating in the National Youth Conference from 1 - 8 June, 2022, held at Asia Plateau, Panchgani, Maharashtra.

The learnings of the conference are Inner Resurgence, strengthening Moral Values and Character building.

NIRAL R. MAZUMDAR
Viral R. Mazumdar
Conference Convener

IOFC-LMAD/NYC/01062022/3428

Registered in 1961 under the Bombay Public Trust Act, 1950. Member Initiatives of Change - International

Duration: 1st June to 8th June- 2022
Place: Asia Plateau, Panchgani, Maharashtra.

RESEARCH

Conference ID: 52855

i-PACT'21
27 – 29, November 2021

Certificate #: UM-VIT/i-PACT2021 / 397

VIT Vellore Institute of Technology

UNIVERSITI MALAYA

Certificate OF PARTICIPATION

This is to certify that Prof. / Dr. / Mr. / Ms. **HIREN PARSOTTAMBHAI JARIWALA** from **Shroff S. R. Rotary Institute of Chemical Technology, Gujarat** has presented a paper titled **Optimized Modulation Technique for Cascaded H-Bridge Multilevel Inverter** in the 3rd IEEE International Conference on Innovations in Power and Advanced Computing Technologies, i-PACT2021 jointly organized by **Faculty of Engineering, Universiti Malaya, Kuala Lumpur, Malaysia & School of Electrical Engineering, Vellore Institute of Technology, Vellore, India**.

Prof. Ir. Dr. Hazlie Mokhlis
Conference Chair
Universiti Malaya

Prof. Dr. I. Jacob Raglend
Conference Chair
Vellore Institute of Technology

Scatec **Danfoss** **IES** **PESTECH** **IET**



Published By:
Mr. Hiren Jariwala

Publication Details:
3rd-IEEE International Conference (iPACT-2021)

Published By:
Mr. Krunal Shah

Publication Details: The Grenze International Journal of Engineering & Technology (GIJET)-Index by Scopus-Volume 8 Issue 2.

CERTIFICATE OF PRESENTATION & PUBLICATION

International Conference on Recent Developments in Electrical and Power Engineering, ICREPE-2022

July 5, 2022 <http://icrepe.thehinweis.com>

Krunal Shah
Shroff S. R. Rotary Institute of Chemical Technology, Ankleshwar, India

Author of a Research Paper titled **Realistic Power Electronics Converters for Electric Vehicles** has submitted the paper which has been approved and presented for publication in the International Conference on Recent Developments in Electrical and Power Engineering, ICREPE-2022.

Dr. Yogesh Chaba
General Chair

Dr. Mukta Dhopeswarkar
Session Chair



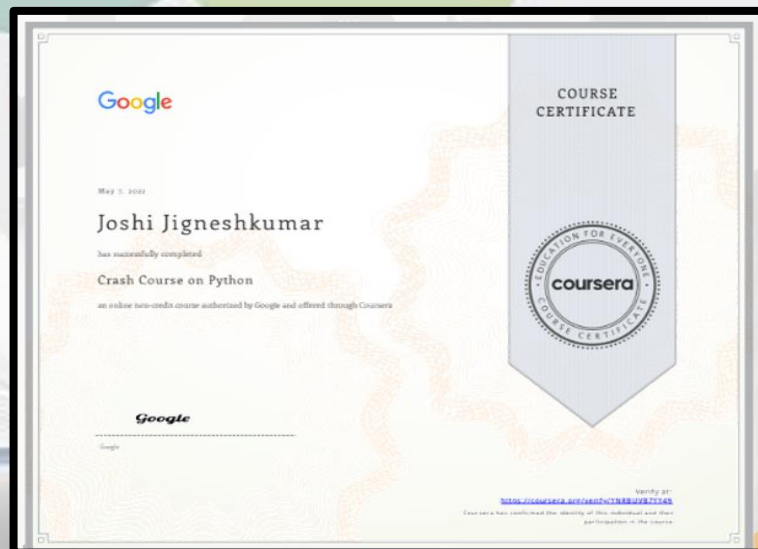
RESEARCH



Dr. Jalpa Thakkar
Invited as a Technical
Committee member for
Power system track in
CEEGE 2022.

Completed By:
Mr. Jignesh Joshi

Course Details: Crash
Course on PYTHON by
COURSERA





Memorandum of understanding

Sr. No.	Name of Organization	Activity Under MOU
1	PTS Automation Pvt. Ltd.	Placement Drive
2	Tatvamasi Automation Pvt. Ltd.	Expert Talk
3	Zaveri Electronics	Placement Drive
4	Happy Engineering	Expert Talk
5	Takalkar Power Engineers & Consultants Pvt. Ltd.	03 Student Internship, EL conducted, BOS
6	General-Electro Engineers	In-Plant Training of Sem-3 Student (04)



PLACEMENT



Admission Batch: 2018-22

Sr. No.	Student Name	Company Name	Salary Package (Rs. Lac in Annum)
1	Gajare Jatin V.	UPL	5.25 Lac
2	Gohil Siddhrajsinh J.	Ambetronics Pvt. Ltd	1.80 Lac
3	Kayasth Krutik S.	Ambetronics Pvt. Ltd	1.80 Lac
4	Patel Nadir Mo	Autotech Non Woven Ltd	2.04 Lac

Our Recruiters



Technical Article

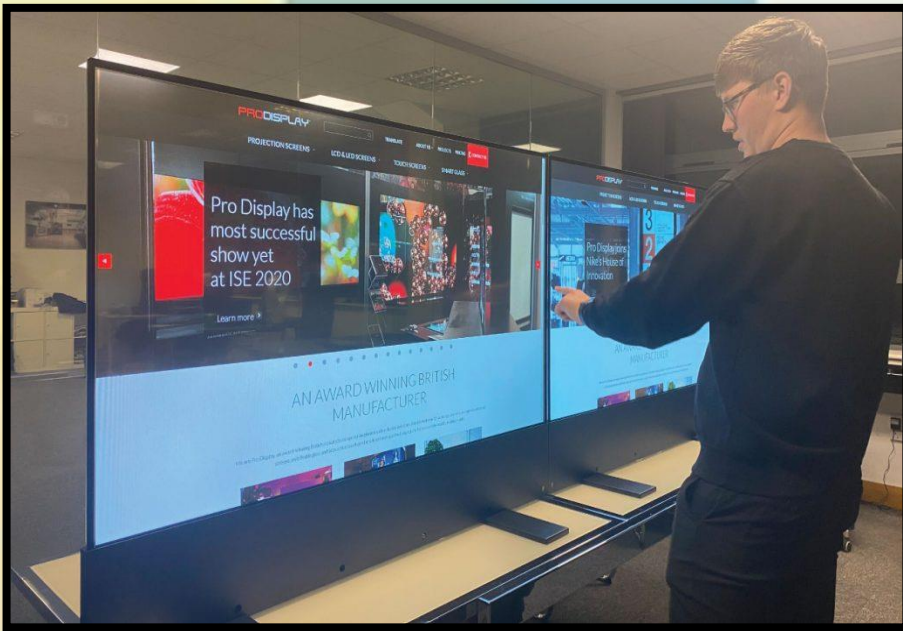
Transparent (OLED) Display

The transparent display market is expected to grow from USD 41 2.2 million in 201 8 to USD 3,744.8 Million by 2024, at a CAGR of 44.5%. The transparent displays allow the user to view through the screen, yet display digital images and information on the screen. The advent of novel technologies in the market has brought in the OLED display screens which have a transparency rate of about 44% which increases the 'see-through factor' unlike other LCDs.

Automated technologies in several industries are increasing the transparent display market demand in recent years. For instance, the automotive industry is increasingly considering the user experience and prioritizing the drive experience in recent years.

Such factors have propelled the manufacturers to utilize the transparent screens in the vehicles, which significantly reduces the strain of focusing the required information regarding navigation.

With the advancing technologies, the increasing implantation of screen-fewer displays is gaining popularity in the offices and IT sectors which are currently hindering the overall growth of the Transparent Display industry.



The plastic, organic layers of an OLED are thinner, lighter and more flexible than the crystalline layers in an LED or LCD. Because the light-emitting layers of an OLED are lighter, the substrate of an OLED can be flexible instead of rigid.

OLED substrates can be plastic rather than the glass used for LEDs and LCDs. OLEDs are brighter than LEDs. Because the organic layers of an OLED are much thinner than the corresponding inorganic crystal layers of an LED, the conductive and emissive layers of an OLED can be multi-layered. Also, LEDs and LCDs require glass for support, and glass absorbs some light.

Smart Grid

smart grid is an electricity network allowing devices to communicate between suppliers to consumers, allowing them to manage demand, protect the distribution network, save energy and reduce costs. Today, an electricity disruption such as a blackout can have a domino effect—a series of failures that can affect banking, communications, traffic, and security. This is a particular threat in the winter, when homeowners can be left without heat.

A smarter grid will add resiliency to our electric power System and make it better prepared to address emergencies such as severe storms, earthquakes, large solar flares, and terrorist attacks. Because of its two-way interactive capacity, the Smart Grid will allow for automatic rerouting when equipment fails or outages occur. This will minimize outages and minimize the effects when they do happen. When a power outage occurs, Smart Grid technologies will detect and isolate the outages, containing them before they become large-scale blackouts. The new technologies will also help ensure that electricity recovery resumes quickly and strategically after an emergency—routing electricity to emergency services first, for example. In addition, the Smart Grid will take greater advantage of customer-owned power generators to produce power when it is not available from utilities.

By combining these "distributed generation" resources, a community could keep its health centre, police department, traffic lights, phone System, and grocery store operating during emergencies.



Advantages of smart grid :

The main advantage that the smart grid will offer the consumer is an increased responsibility over their electrical usage. Real-time consumption will display up-to-the-minute information on how much electricity is being used and at what price.

*Chaudhry Tejas
B.E. Electrical Engineering (Sem-VII)*

What's in Your Mind...??



Currently, there is increase the demand of electrical engineering because the demand of electrical power is continuously increasing in present time. In today's time it has become necessary to do any work quickly and efficiently and in short time period. Course of electrical engineering will teach the student how to work in industry and equipping them with engineering skill necessary to design assess and improve the electrical system. Our Institute in electrical department is one of the best department because all the faculty members are only focus to growth of the student and our department provided various activities like expert lecture, industrial visit in every semester.

Our Institute organized fire and safety course is compulsory not only for electrical department but for all the department. Our department provide all type of facilities like digital classroom, various lab, high voltage lab, power system lab, simulation lab and machine lab etc. Our Institute is providing good infrastructure & facilities.



*Rana Krunal Rajeshbhai
B.E. Electrical Engineering (Sem-VII)*

What's in Your Mind...??



Electrical engineering is an engineering discipline concerned with the study, design, and application of equipment, devices, and systems which use electricity, electronics and electro magnetism. Our institute provide this course with excellent facilities/ amenities. The department has highly qualified faculty members engaged in teaching and research in the field of Electrical Engineering. The department is equipped with MATLAB and Power Factory Software and total 11 Industrial Standard Laboratories such as High Voltage Lab, Automation Lab, Power Electronics Lab, Measurement Lab, Electrical Drives Lab etc. Not only IV's and EL's but also various seminars, workshops, technical paper contests, etc. are organised by the department for the benefit of students. The consultancy services are also rendered by the department and various energy audits are being conducted by the department. Also various scholarships and prizes are being offered to the meritorious students. Infrastructural and educational facilities provided by the institute are helping one in becoming a good engineer in the today's competitive world.



Sarvesh Tripathi
B.E. Electrical Engineering (Sem 1)

Alumni Speak

It's really a pleasure to talk about the college which actually engrave me to be a person what I am. I'm from the batch of 2014 Electrical Engineering. It was a wonderful experience at SRICT with an excellent exposure provided across the various platforms. The faculty are very supportive and encourage students to push boundaries to rise above expectations. The ambience of the campus is very positive and the whole experience is very good and there is always support & motivation from the management to pursue our dreams.

I am so thankful to all faculties, especially Electrical department, as you guys supported us in college and as well as after college to getting placed in a company or for further studies.

I chose to studies further in Canada, and they help me a lot arranging all require documents needed from a college in just one go, really appreciate it and missing my days at SRICT. Currently I am in Canada, working with JLL under their Reliability Maintenance Engineering Program and living a wonderful life here.

Mohmedhusein Kapadia
Alumni, B.E., Electrical Engineering



Alumni Speak

I am Palak Anil Pawar alumni student of SRICT completed Bachelors of Engineering from Electrical department in 2020 and now working with BEIL Infrastructure Ltd Ankleshwar.



Finding the right path to success at the right time is really very important and for that way I had selected SRICT.

The environment, the systematic approach towards imparting education at SRICT made me a competent individual. The wide range of activities- both curricular and co-curricular- along and the support and motivation from college is really very helpful for my future.

The faculties are really very kind and approachable when any need arises. SRICT not only supported me in my studies but also it supported for my music passion. They give me platform through Reva Fest and Cultural Fest. Because of their belief on me, twice I got zonal level vocal trophy in Culture fest of Gujarat. If I compare the first day and last day of collage I found myself more confident and positively change person.



Alumni Speak



I Am Mayur pawar from Electrical Engineering SRICT.

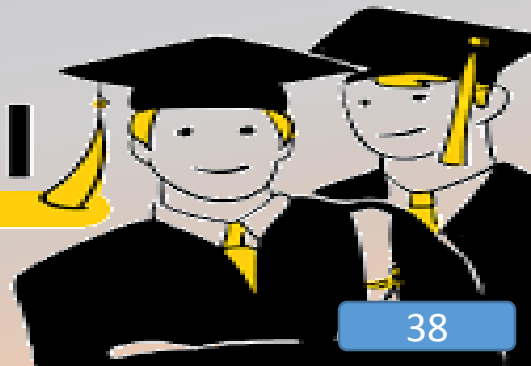
Currently I am Associate with BEIL Infrastructure LTD Dahej as Officer Project , I am Here to share my Gratitude towards my institute to shape my Career and provide me quality and practical knowledge which help me in my current stage of working with industries.

The entire teaching learning process of SRICT is brilliant. SRICT organizes National level Tech-fest, Reva-Fest, Technical Workshops, Sport week to provide the best knowledge and stress free environment to a student. I say thank you to all the professors and other supporting staff of Department of Electrical Engineering to shape my career and providing free environment to explore an electrical field which will help me a lot. UPL University is the Hub of Quality Education and Endless Opportunity to Students to Achieve Their Goals.

Thank You.



ALUMNI



Alumni Speak

I am Ravirajsinh solanki. I have completed my B.E electrical engineering from SRICT 2019 and currently working at Power-grid Corporation of India limited, Daman.



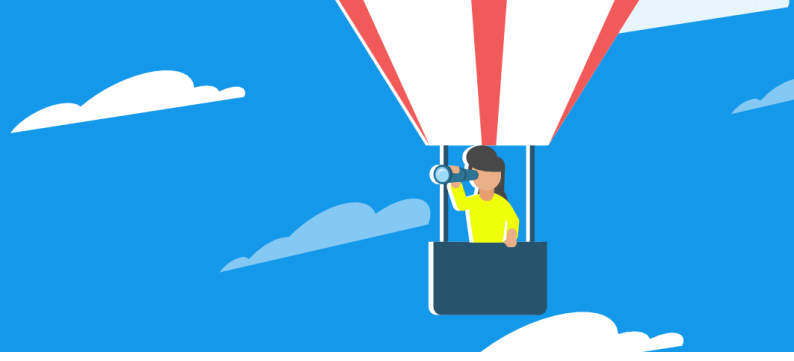
SRICT prepare me to face challenges in my career. Main moto of this institute is to make dreams into reality.

In SRICT one-to-one meeting is organized with vice chairman Mr. Ashok Panjwani sir, in which the students are being encouraged about their destiny. SRICT also offers cash rewards to motivate students hard work. The heart of SRICT family that is Faculties. As per my own experience that I have seen during my 4 year journey. Faculties are always supportive to us.

Last but not the least, I would like to conclude that SRICT(now UPL University of sustainable technology) is a place which is a combination of ideas, entertainment, motivation & many more things and not only limited to education.

Thanks You.





Poetry

Just like an athlete
runs on a track,
Electricity cycles
through circuits and
back.

It courses continually
through a wire,
And unlike an athlete
won't easily tire.
But like a hole in a
path causes runners
to drop,
With an incomplete
circuit, electric flow.

- Nirali Kharchaiya
(semester 5 BE)

जो मुश्किलो से हारा आखिर,
क्या बुराई मुझ मे है।
तू हार का पाबंद नही,
जब की खुदा ही तुझमे है।

यू हाथ तेरे बंद हे,
और क्या तेरी औकात में।
हां के दिया उन बुजदिलो से,
रब का भरोसा हाथ में ।

शिकस्त मेरी जंग ही,
तकदीर ना हो साथ में।
रुख यू नदी का मोड दू,
वो रब है मेरे साथ में।

ईन रास्तो से पुछता ,
ईन आफतो से झुंझता,
जो शिद्दतो से दूढता
वो कमियाबी मुझे है।

- Dhruvil patel
(semester 7 BE)

STUDENT CORNER
DISCOVER NEW OPPORTUNITIES



PHOTOGRAPHY



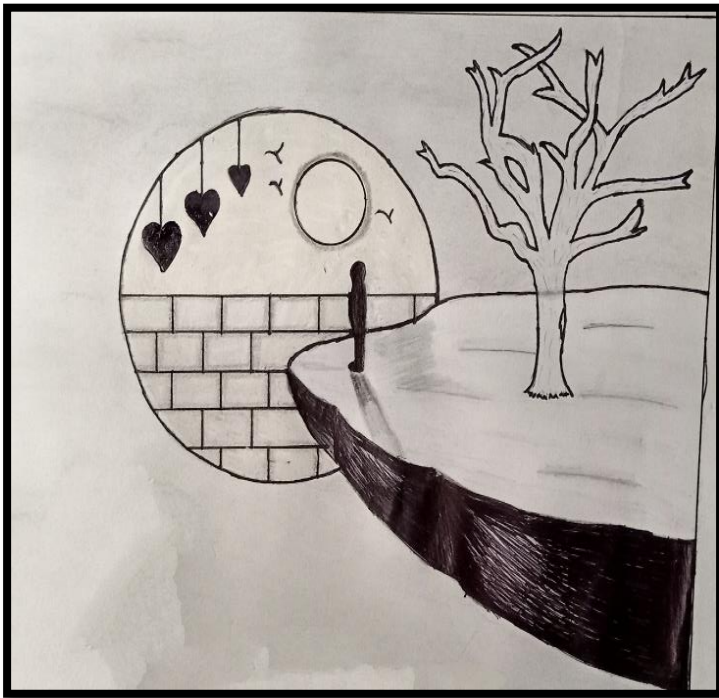
- Dev Joshi (Semester 3 BE)



- Om Parmar (Semester 5 BE)

STUDENT CORNER

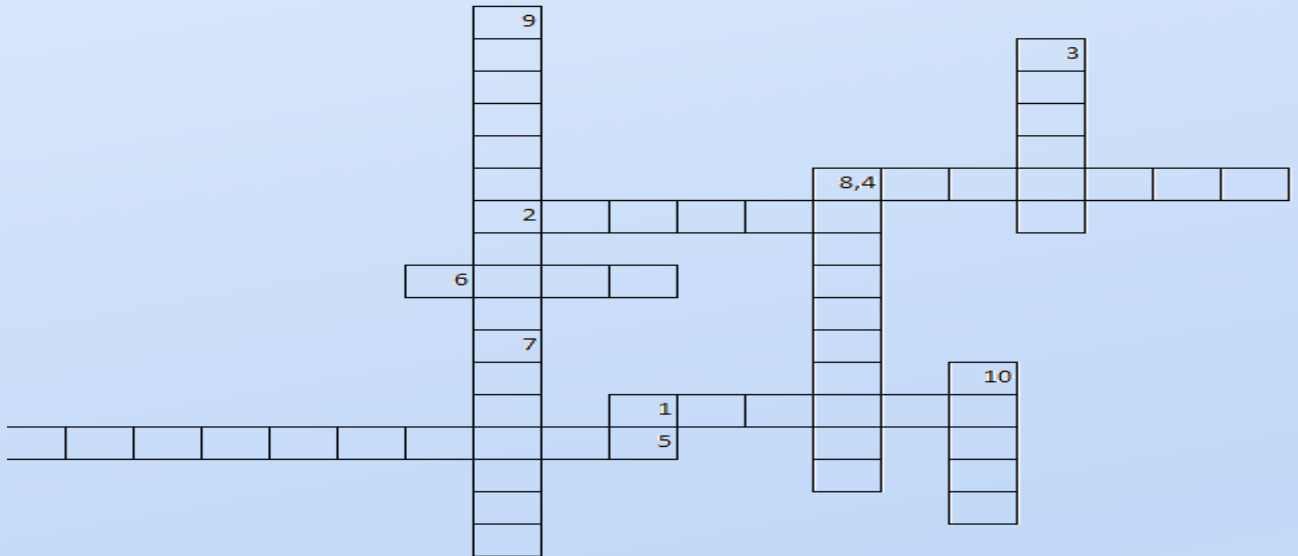
DISCOVER NEW OPPORTUNITIES



-Patel Anand
Semester 3 BE



Crossword Quiz



ACROSS

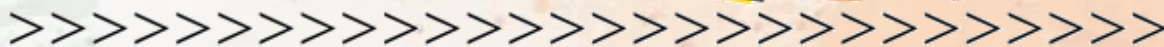
1. The forbidden energy gap between the valence band and conduction band will be least in case of _____.
2. The armature voltage control of dc motor provides constant _____.
4. In an ideal diode there is no breakdown, no _____ current, and no forward voltage drop.
5. An air gap is usually inserted in a magnetic circuits to prevent _____.
6. Power dissipated in a pure capacitor is _____.

DOWN

3. A _____ is an object that has a magnetic field.
7. A step-up transformer increases _____.
8. The Wheatstone bridge is used to measure _____ value.
9. Free electrons exist in _____ band.
10. The earth has a north and _____ pole.

1. Metals
2. Torque
3. Magnet
4. Reverse
5. Saturation
6. Zero
7. Voltage
8. Resistance
9. Conduction
10. South

Meet Your **TEACHER**



**Dr. Jalpa
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**Mr. Praful
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**Ms. Richa
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**Mr. Jignesh
Joshi
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**Mr. Krunal
Shah
Assistant Prof.**



**Mr. Ankur
Gheewala
Assistant Prof.**

UPCOMING



EVENTS



SCI-TECHNOVATION

18th & 19th October, 2022



75 आज़ादी का अमृत महोत्सव

