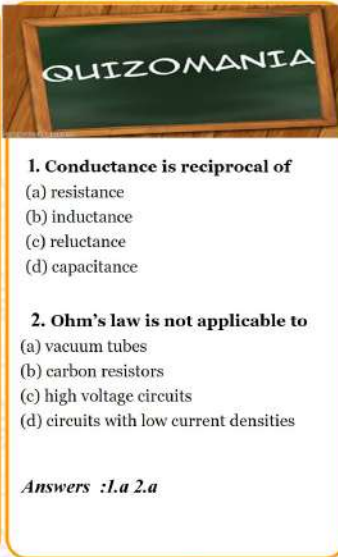
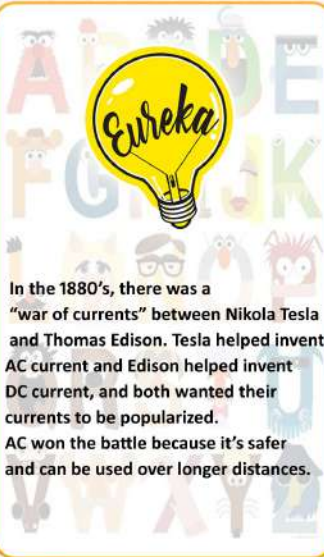
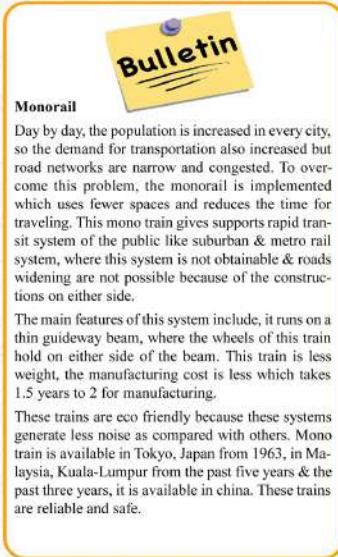
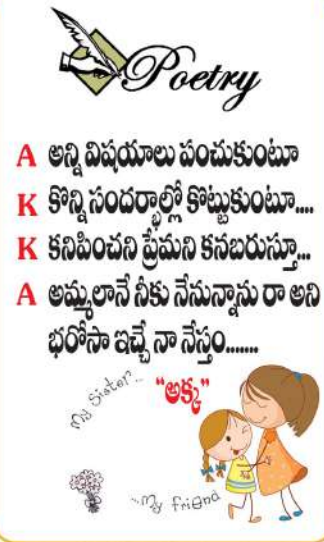
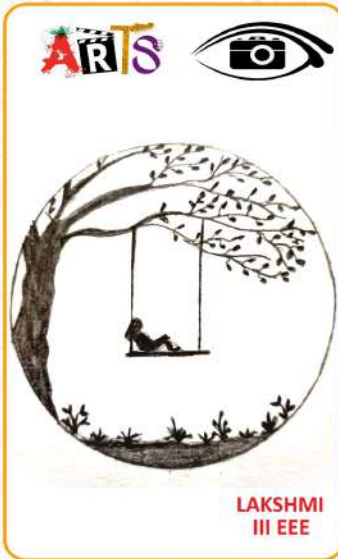


## FUN n FACTS



# VIEW VOICEEE



VOL. 6

Issue 2

April - June 2020

### VISION

To be a center of excellence for producing proficient and socially responsible women electrical engineers for industry outreach through quality education and research

### MISSION

M1: To empower the students with skills in current trends through effective teaching- learning process for professional growth. M2: To foster an eco-system for higher education and research in Electrical Engineering through constant industry interaction. M3: To facilitate practical expertise in enterprise development and energy environment by promoting innovation and social consciousness.

### PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates will be able to  
 PEO1: Possess strong educational foundation in Electrical Engineering for making successful careers in core and allied industry.  
 PEO2: Develop solutions for realistic problems in the society through innovation and lifelong learning.  
 PEO3: Exhibit communication skills, leadership qualities, social and environmental responsibility, ethical values in successful career.

### WHAT'S INSIDE

- Faculty Portal
- Students' Corner
- Fun & Facts

### KEY LIST

- Online Courses

### EDITORIAL BOARD

Dr. B. Prakash, Principal, VIEW  
**Editor :**

Dr. K. Durga Syam Prasad  
 Head of the Dept., EEE

### Members:

1. Dr. T. Radhakrishna Murthy  
Prof. of English
2. Dr. K. Kusal Kumar Assoc.  
Prof, EEE.
3. Ms. V.V. Sai Santoshi  
Asst. Prof, EEE
4. R.Padmavathi,  
III EEE
5. B.Vaishnavi,  
IV EEE



### Message by Academic Director:

#### Dear Faculty Members!

Hope all of you and your family members are in good health and safe places.

As this has been an unforeseen long vacation, you have to spend your time meaningfully. Your duty towards students:

1. As a counselor or teacher contact your students once in every four days, remind them and motivate them towards better usage of time.
2. If they require any assistance like doubts, scheduling of works try to do it at the earliest.
3. If they need any material send your notes through online, encourage them towards self learning mode.

#### Your duty towards your career growth:

1. Work on writing research papers at-least two during this long vacation.
2. Work on NPTEL courses or in emerging areas like AI, Machine Learning, IoT etc.
3. Prepare the lecture notes for the next semester

#### Dear Students!

Hope you and your family members are healthy & safe, taking all the preventive steps to avoid the spread of COVID-19. As this is a long vacation, you can use your time meaningfully and purposefully. You can convert this disadvantage to an advantage.

If you have any backlogs try to work on those subjects by following steps.

1. Make out a self schedule allotting at-least 5 to 6 days for each subject.
  2. Study at-least one unit every day.
  3. Write important concepts, equations, and definitions to keep your concentration for long duration.
  4. At the end of the completion of units recollect the same by closing your books.
- All this takes minimum of 5 to 6 hours a day and rest of the time you may enjoy with your family members, T.V and social media.

#### Those students do not have backlogs (Advanced Learners)

To be ahead in the competition bracing for better career opportunities, try to work on the following:

1. Improve your coding skills by entering into Hackathon ranking or working on that.
2. Workout at least on one course from NPTEL or Coursera where you will be awarded monetary incentive on one hand or the chain-edge for placements.

If you don't have a text book with you, download one or contact your teacher, so that they will send their notes to your mobile.

Hope you understand this with all positive spirit and this is the mode of the self learning.  
**With best wishes....**

**Prof. A. Sesharao**

#### From the Principal's Desk:

World is facing an unprecedented situation due to Covid 19 Pandemic .I request everyone to abide by the Government instructions to keep oneself and others safe. Stay Home, Stay Safe!

**Dr. J. Sudhakar, Principal**



#### Thoughts from the Head of the Department :

The unforeseen situation of Covid 19 has led to some changes in the approach towards how we teach and learn. I commend our faculty for adapting smoothly to online teaching and doing an excellent job for our students. Take care of your health and your students!

**Dr. K. Durga Syam Prasad, HoD. EEE**



# VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

ISO 9001 : 2015, ISO 14001 : 2015, OHSAS 18001 : 2007 CERTIFIED INSTITUTION  
 Kapujaggarajupeta, VSEZ Post, Visakhapatnam-49.  
 e-mail : viewplacements@gmail.com, web : www.vignanview.org



## FACULTY PORTAL

### Research Publications by Faculty

- Dr. K. Kusal Kumar , Assoc. Prof. - *"A Novel DC-DC Converter using VAM(Voltage Accelerator Module) Technique for IoT Applications."* JXU Journal, Vol. 14 Issue 5, May 2020.
- Ms.V.V.Sai Santoshi, Asst. Prof.- *"Dynamic Modeling and Simulation of Electric Vehicles."* IJREAM ,Vol. 6 Issue 2, May 2020
- Mrs T.Sushma , Asst. Prof.- *"Recognition of Power Quality Disturbances utilizing Wavelet Transform."* Mukth Shabd Journal, Vol 9, Issue 5 ,Issue No: 2347-3150,May 2020.

S.No.	Name of the Course	Course offered by	No. of Faculty
1	Introduction to Internet of Things	Stanford University	7
2	Deep Learning AI	Coursera	1
3	Wind energy	Cousera	9
4	AI for Every one	Coursera	7
5	Introduction to G Suite	Coursera	3
6	Electric Power Systems	Coursera	6
7	Safety in the utility industry	Coursera	8
8	Energy: The enterprise	Coursera	3
9	Natural Gas	Coursera	4
10	Energy production, distribution & safety	Cousera	1
11	Photo voltaic solar energy	Coursera	1
12	Intelligent Machining	Coursera	1
13	Machine Learning for All	Cousera	1
14	Electro Dynamics	Coursera	1
15	Digital Thread Implementation	Coursera	1
16	Transformers	Tata Steel	4
17	Machine Learning	Tata Steel	2
18	Power Systems Transmission and Distribution	Tata Steel	1
19	Power System Generation	Tata Steel	1
20	Power System Protection	Tata Steel	1
21	Power System Earthing	Tata Steel	2
22	Induction Motor	Tata Steel	1
23	Power Systems Power Cables	Tata Steel	1
24	The Complete Solar Energy	Udemy	1

**Other Online Courses Done:** Electric Utilities Fundamentals and Future, Getting Started with Google Sheets, Fundamentals of Electrical Controls, e Tutorial on Using Patent Information, Google Analytics for Beginners.

### Patents Sanctioned

- Dr. K. Kusal Kumar , Assoc. Prof. - *"Artificial Intelligence based Autonomous Car Jack."* Reference Number :20204106774, April 2020
- Dr. K. Kusal Kumar , Assoc. Prof. - *"Multi-Purpose Smart Holder "* Reference Number :329372-001, May 2020

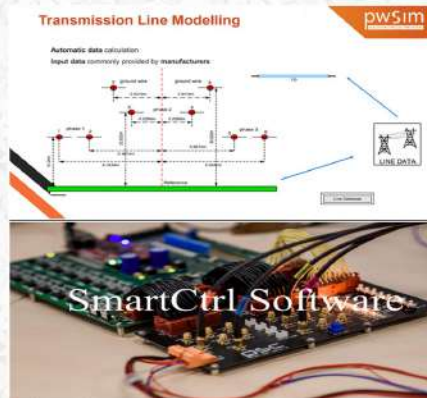
### e-learning during lock down

- 14 Faculty Members attended FDP on **Cutting Edge Technologies for Electrical Engineering** conducted by Andhra Loyola Institute of Engineering and Technology, Andhra Pradesh.
- 11 Faculty Members attended FDP on **Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-Vehicles** conducted by Bapatla Engineering College, Andhra Pradesh.
- 11 Faculty Members attended FDP on **Research Ideas & Performance Analysis of Switched Reluctance Motor using MagNet Software** conducted by Jerusalem College of Engineering, Chennai.
- 9 Faculty Members attended FDP on **Research Challenges and Opportunities post Covid 19** conducted by Sri Vasavi Engineering College, Andhra Pradesh
- 7 Faculty Members attended FDP on **Real Time HIL Simulation for Power Electronics and Power Systems** conducted by Anurag University, Hyderabad.
- 5 Faculty Members attended FDP on **Renewable Energy Technologies, Integration to the Power Grid and E-Vehicle** conducted by Sai Ram Institute of Technology, Chennai.
- 2 Faculty Members attended Faculty Awareness Programme on **Outcome Based Education (OBE) and NBA Accreditation** conducted by Sinhgad Institute of Technology and Science, Pune.
- 2 Faculty Members attended FDP on **Python Programming** conducted by APSSDC.

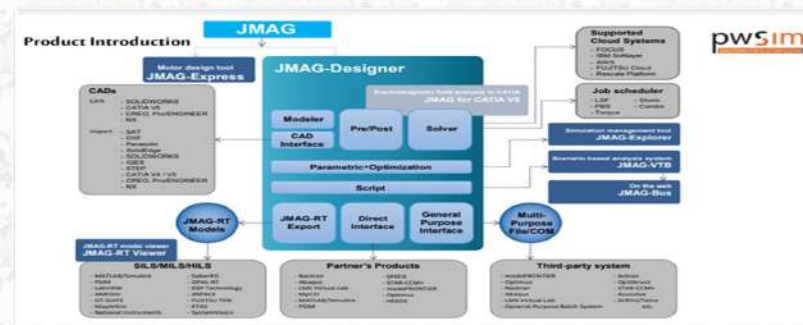
### e-Learning Platforms

<https://online.stanford.edu>  
<https://www.coursera.org>  
<https://tatasteellearning.com>  
<https://www.udemy.com>

## STUDENT'S CORNER



A Five Day Online Short Term Course (STC) on **"Advanced Simulation Tools for Power Electronics, Electromagnetics and Power Systems"** was organized by EEE Department in collaboration with **PWSIM Engineering Solutions Pvt. Ltd, Bangalore** from 1.06.2020 to 5.6.2020. The faculty and students from various places participated in the STC. The Resource Persons are **Mr.G.Vinay & Mr.N.Viswanath** (Power Electronics), **Mr Joseph J & Sadeep S** (ElectroMagnetics) and **Ms MK.Mounika & Mr V P Boopathi** (Power Systems). Two hundred and thirty five members attended the course. The participants were educated about the necessity of advanced tools in their research to solve designing problems, to model, simulate, evaluate their own problems in the software tools. For further reference: <https://www.pwsim.com>



### Student Activities

Students utilized their time during lockdown by participating in different Courses and Workshops. Some of them are listed below:

- AWS Cloud Computing
- Industrial Automation with PLC by APSSDC
- PCB Designing by APSSDC
- The Fundamentals of Digital Marketing
- MATLAB by Math Works
- NPTEL Courses
- PYTHON Fundamentals
- HTML and CSS
- Hacking POS and Credit Cards
- Machine Learning

### Tips for maintaining your Mental Health emotional balance

- Actively take steps to create a routine - It is what brings normalcy to our life. It lets us know that life is on track and we are in control of things.
  - Do not believe in rumors or every news that comes on social media.
  - Adopt healthy sleeping and eating habits that build immunity.
- A chance to connect with your self - to pause, to re-evaluate and to reset your life.**

Stay Home Stay Safe