



**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY**
An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for B.Tech. CE,EEE,ME,ECE,CSE,EIE,IT,AME, M.Tech. STRE, PE, AMS, SWE Programmes
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2022) 113 Rank in Engineering Category
College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres:CE,EEE,ME,ECE,CSE
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O.), Hyderabad – 500 090, TS, India.
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Number, quality of engineering events (organized at institute, Level-Institute/State/National/International)

Quality and number of engineering events organized, attended by the students at Institute/State/National/International level are described below.

List of Engineering Events organized by Professional Society/Body/Chapter

S.No	Academic Year	No. of Engineering Events
1	2021-2022	<ul style="list-style-type: none"> • Guest Lectures - 06 • Workshops - 05 • Paper Presentations -01 • Start-Up Idea Competitions -01 • Software & Hardware Hackathon -02 • Tech Talks -05
2	2020-2021	<ul style="list-style-type: none"> • Guest Lectures - 05 • Workshops - 03 • Paper Presentations -01 • Software & Hardware Hackathon -02 • Technical Quiz's - 09
3	2019-2020	<ul style="list-style-type: none"> • Guest Lectures - 05 • Workshops -07 • Paper Presentations -02 • Start-Up Idea Competitions -01 • Hardware Hackathon- 01
4	2018-2019	<ul style="list-style-type: none"> • Guest Lectures - 09 • Workshops- 04 • Paper Presentations -02 • Start-Up Idea Competitions -01 • Software & Hardware Hackathon-02 • Open House Competition (Demonstrations of Projects) -01

Academic Year: 2021-2022

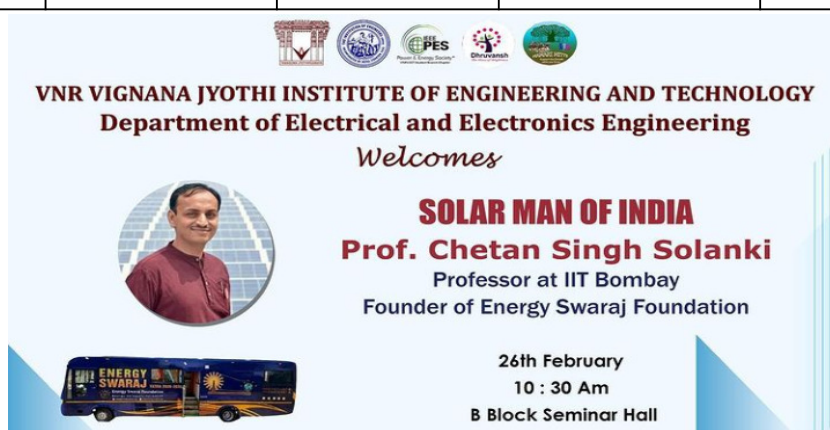
During the academic year 2021-2022, Student chapters have organised various events.

- National Wide Technical Fest-Convergence-21 during December
- Six Guest Lecturers by Eminent Resources and gained knowledge over the wide spectrum of fields in engineering.
- Debate competition and selected students were send for university level competition
- IEEE celebrated International Women's Day on 8th March for all girl students.
- Monthly Career Guidance Session by seniors under IEI Student Chapter.

Table 4.5.1.3 Number, quality of Engineering events

S.No	Topic	Date/Place	Name & Designation	No. of students involved
		27-04-2022		
	Efficiency and Effectiveness	21-04-2022	Sri.S.Tirumal Reddy	110
1	Field Aspects of Thermal Power Generation and the Emerging Trends	26-03-2022	Dr.A.R.M.Vani Assistant Engineer TSSPDCL Hyderabad	110
2	Importance of Solar Energy	26-02-2022	Dr Chetan Singh Solanki, Solar man of India	120
3	Gate Strategies	30-01-2022	Dr.Venu Yarlagadda, Associate Professor, EEE	55
4	Mock Parliament	26-01-2022	Student chapter IEI	40
5	IoT Basics	03-11-2021	G Yashwanth, Student, EEE	120
6	Essay Writing and Debate	28-10-2021	Student Chapter IEI	60


7	Internet of Things Applications and Smart Energy Systems	24-07-2021	Bapuji Kanaparthi Founder Appleton Innovations	99
8	Importance of Renewable Resource Assessment and Power Forecasting to maintain grid stability	17-07-2021	Durga Bhavani A Assistant Manager Greenko Group, Hyderabad	56





4.5.1.1.1 Dr Chetan Singh Solanki – The Solar Man of India Delivered an Expert Talk on “Importance of Solar Energy”



4.5.1.1.2 SOLAR BUS Visit to CAMPUS during Dr Chetan Singh Solanki Session

 **VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**
An Autonomous Institute, NAAC Accredited with A++ Grade
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


The Institution of Engineers(India)

 &  **Power & Energy Society***
VNRVJET Student Branch Chapter


presents

GATE 2022 STRATEGIES

SPEAKERS:




DR. Y. VENU
ASSOCIATE PROFESSOR
EEE, VNR VJIE



CHARAN CHANDRA
STUDENT, 4TH YEAR
EEE, VNR VJIE

DATE: 30-01-2022
TIMINGS: 11:00 a.m. to 12:40 p.m.

TO JOIN: <https://meet.google.com/pvc-hhph-ipz>



4.5.1.1.3 Dr.Venu Yarlagadda, Associate Professor, EEE Dept, given insights to GATE Aspirants

Team IE(I) PRESENTS YOU



MOCK PARLIAMENT

CELEBRATING 73RD REPUBLIC DAY
73 YEARS OF INDIAN CONSTITUTION IN EFFECT
OPEN FOR ALL BRANCHES AND ALL YEARS
SCAN THE QR TO REGISTER AND KNOW MORE DETAILS





DATE: 26TH JANUARY 2022


VENUE: GOOGLE MEET



4.5.1.1.4 Student Chapter – IE(I) organized Mock Parliament on the Eve of Independence Day


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Institution of Engineers (India) 
 presents
Guest lecture on
"Field aspects of thermal power generation and the emerging trends"

Speaker:

Dr. A R M VANI,
 Assistant Engineer,
 TSSPDCL

Date: 26-03-2022
Timings: 2:00 p.m. to 3.30 p.m.
Venue: B-Block seminar hall

4.5.1.1.5 Dr.A.R.M.Vanim Delivered Lecture on “Field Aspects of Thermal Power Generation and the Emerging Trends”



4.5.1.1.6 Debate Competition for Students

Academic Year: 2020-2021

During the academic year 2020-2021, Student chapters have organised various events.

- During pandemic situation, Student chapters actively organized seven Online Quiz competition through national wide on all electrical related subjects
- Hands on session to III B.Tech students on PMSM Motor Speed Control using MATLAB
- Five Webinars to Faculty and Students using Google/Teams Platform.

Table 4.5.1.4 Number, quality of Engineering events

S.No	Topic	Date/Place	Name & Designation	No. of students involved
1	Hands-on session on the case study of PMSM Motor Speed Control using MATLAB	15-06-2021	Dr N. Krishna Kumari Associate Professor EEE-Department VNRVJIE	69
2	Weekly Training sessions on Soft Computing Techniques and Real-Time Control for Electrical Systems using MATLAB	08-06-2021	Mr.P.Ramesh, Assistant Professor, Dept. of EEE, VNRVJIE	69
3	Power Electronics in Reducing the Harmonics in Grid	15-09-2020	B Anantha Reddy Sukhila Power Electronics Pvt.Ltd	110
4	Reliability aspects in power system planning and operation –Power system solutions	10-08-2020	Dr.Chandrasekhar Reddy Atla Principal Engineer, Power System Solutions PRDC Bangalore	128

5	Electronic Devices and Circuits - QUIZ	30-08-2020	Student Chapter IE(I)	150
6	C Programming-QUIZ	16-08-2020	Student Chapter IE(I)	202
7	Electric Circuits – QUIZ	10-08-2020	Student Chapter IE(I)	184
8	Control Systems – QUIZ	02-08-2020	Student Chapter IE(I)	89
9	Power Systems – QUIZ	26-07-2020	Student Chapter IE(I)	102
10	Power Electronics – QUIZ	19-07-2020	Student Chapter IE(I)	106
11	Electrical Machines – QUIZ	11-07-2020	Student Chapter IE(I)	189
12	Machine Learning & its Applications in Electrical Engineering”	30-05-2020	Dr.Rashmi Kapoor Asst.Prof Dept. of EEE VNRVJIE Hyderabad	45
13	Resonant converters and their applications in EV Charging	29-05-2020	Dr.P.NareshAsst.Prof Dept. of EEE VNRVJIE Hyderabad	54
14	Artificial intelligence ,ML and DL applications to Smart grid	28-05-2020	Dr.J.Vishwanath Rao Professor Dept. of EEE VNRVJIE Hyderabad	56

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
 PRESENTS
WEBINAR SERIES

WEBINAR 1 Artificial Intelligence & Applications In Electrical Distribution System by Dr. J VISWANATHA RAO 28/05/2020 11:00 AM to 12:00 PM	WEBINAR 2 Resonant Converters and their Applications in EV Charging by Dr. P NARESH 29/05/2020 11:00 AM to 12:00 PM
Free Registration Register using https://bit.ly/2TqZVbm Student co-ordinators Vashista : 7893160263 Deepika : 9440408462	WEBINAR 3 Machine Learning & It's Applications In Electrical Engineering by Dr. RASHMI KAPOOR 30/05/2020 11:00 AM to 12:00 PM Organised by Dept. of Electrical and Electronics Engineering and The Institution of Engineers (India) [IEI] Student chapter
E-certificates will be provided Dr. Poonam Upadhyay Head of Dept. EEE VNRVJiet Faculty co-ordinator Dr. G Radhika Senior Assistant Professor, Dept. of EEE, VNRVJiet radhika_g@vnrvtiet.in 9618618222	

4.5.1.2.1 Three Day Workshop by Dept. of EEE

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 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
 The Institution of Engineers(India)

AND

PRESENTS

WEBINAR

Topic : Power Electronics in Reducing the Harmonics in Grid

Date : 15th Sep 2020
 Time : 2.30pm to 4.00pm

By
 Dr. B. Anantha Reddy,
 Managing Director,
 Sukhila Power Electronics Pvt Ltd,
 Hyderabad.

Contact:
 Sathwik Reddy: 9182510604
 Prathyusha : 8919597225

Register for free at:
<https://forms.gle/5bHDF8R1pCNkL9SP9>

ieeee2k18@gmail.com [iei_vnrvtiet](https://www.instagram.com/iei_vnrvtiet) [ieeee_vnrvtiet](https://www.facebook.com/ieeee_vnrvtiet)

4.5.1.2.2 Mr. B. Anantha Reddy, Sukhila Power Electronics Pvt. Ltd delivered an Expert Talk on Power Electronics in Reducing the Harmonics in Grid

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PRESENTS

QUIZ

on
Power Systems

E-Certificates will be issued to the participants who secures 60% or above

Day 1-July 26, 2020
Day 2-July 27, 2020

No Registration fee

Organised by
The Institution of Engineers(India) [IEI] Student chapter

Contact:
Sathwik Reddy: 9182510604
Akhil Vuppala: 8179214019

/ieieee2k18@gmail.com
/iei_eee_vnrvjiet

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PRESENTS

QUIZ

on
Electrical Machines

E-Certificates will be issued to the participants who secures 60% or above

Day 1-July 11, 2020
Day 2-July 12, 2020

No Registration fee

Organised by
The Institution of Engineers(India) [IEI] Student chapter

Contact:
Sathwik Reddy: 9182510604
Akhil Vuppala: 8179214019

/ieieee2k18@gmail.com
/iei_eee_vnrvjiet

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PRESENTS

QUIZ

on
C Programming

E-Certificates will be issued to the participants who secures 60% or above

Day 1-August 16, 2020
Day 2-August 17, 2020

No Registration fee

Organised by
The Institution of Engineers(India) [IEI] Student Chapter

Contact:
Sathwik Reddy: 9182510604
Akhil Vuppala: 8179214019

/ieieee2k18@gmail.com
/iei_vnrvjiet

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PRESENTS

QUIZ

on
Electronic Devices and Circuits

E-Certificates will be issued to the participants who secures 60% or above

Day 1-Aug 30, 2020
Day 2-Aug 31, 2020

No Registration fee

Organised by
The Institution of Engineers(India) [IEI] Student chapter

Contact:
Sathwik Reddy: 9182510604
Akhil Vuppala: 8179214019

/ieieee2k18@gmail.com
/iei_vnrvjiet

4.5.1.2.3 CONLINE QUIZ on Electrical & Electronics Engineering Subjects

Academic Year: 2019-2020

During the academic year 2019-2020, Student chapters have organised various events.

- Five Guest Lectures to B.Tech and M.Tech students
- Eminent Talk by Distinguished Alumini
- Student Chapters – IEEE, IEI & ISTE organized Open House 2K19 on 12th March to 13th March 2019
- Convergence 2K19 on 26th Sep to 27th Sept 2019
 - Poster Presentations
 - Events under various different themes of convergence.
 - Workshop on Accelerobotix with certification from innovation cell, IIT Bombay.

Table 4.5.1.5 Number, quality of Engineering events

S.No	Topic	Date/Place	Name & Designation	No. of students involved
1	AI, Machine Learning, Deep Learning Applications to Smart Grids (25-11-19 to 08-12-19 VNR VJIEIT	Dr.N.Yadaiah, Registrar, JNTUH, Kukatpally, Hyderabad, Telangana, India	109
2	Game Changing Technologies in Power & Energy Sector – World Wide The Road Ahead for Future Engineers	21-09-2019 VNR VJEIT	Prof. Arindam Gosh, Curtin University, Australia	35
3	Business Model Canvas & Social Entrepreneurship	16-09-2019 VNR VJEIT	Sri. Abdul Mujeeb, CEO, ALLIKA Pvt. Ltd., Hyderabad, India	119

4	Transformation of Thinking of Electronics Systems Powered with Inspiration of Nature Towards Sustainable Products	02-08-2019 VNR VJIET	Mr.GLN Murthy , Senior Consultant Manager, TCS, Hyderabad, India	125
5	Opportunities for Electrical Engineering Graduates	31-08-2019 VNR VJIET	Mr.K.Avinash, Associate Engineer from Amazon, Hyderabad India	109



4.5.1.3.1 Karunanidhi Subramani , Scientist-G,DRDO, Hyderabad, India delivered an Expert Talk on “ Control Systems in Guided Missiles”



4.5.1.3.2 IEI Student Monthly Meet



4.5.1.3.3 Mr.K.Avinash, Associate Engineer from Amazon, Hyderabad India delivering his lecture



4.5.1.3.4 Student Chapters Reunion

Academic Year: 2018 – 2019

During the academic year 2018-2019, Student chapters have organised various events.

- Student Chapters organized Open House 2K19 on 8th March & 9th March 2019
- National Level Technical Fest -Convergence 2K18 on 2nd Feb to 4th Feb 2019
 - Poster Presentations
 - Events under various different themes of convergence.
 - Workshop on 6th Sense Robotics in association with IIT Varanasi
- IEI Student Chapter Organized EnginEER-2K19 event on the eve of Engineer's Day.
- Nine Guest Lecturers by Eminent Persons.
- SALUTE Parade on 26th Jan 2019.
- TECHNE event on National science Day

- Outreach Programmes

Table 4.5.1.6 Number, quality of Engineering events

S.No	Topic	Date/Place	Name & Designation	No. of students involved
1	Project Expo -2K19 Inter collage Competition	08-03-2019 & 09-03-2019	OPEN HOUSE-2K19	120
2	Electrical Nirmana & Hackthon	05-10-2018 & 06-10-2018	CONVERGENCE-2 K18	250
3	Design & Technology for an Entrepreneur	28-02-2019 VNR VJiet	Sri. Saiesh Paruchuri, Social Entrepreneur in Waste Management, Hyderabad, India	90
4	Electrical Equipment in Power Plants – Concepts, Operation & Design Aspects	22-02-2019 VNR VJiet	Sri.M.Vijaya Kumar General Manager (Retd) BHEL, Hyderabad, India	107
5	ERCOT Electricity markets overview and Emerging Challenges	28-01-19 VNR VJiet	Dr. M. Sainath Moorthy, Principal, Market Design and Analysis at the Electric Reliability Council of Texas, USA	100
6	Power Electronics for Electrical Drives	24-01-2019 VNR VJiet	Mr.G.Raju, M/s.Medha Servo Drives, Hyderabad, India	124

7	Communication based train control	08-01-2019 VNR VJIET	Mr.PankajS.Dhakate, Head of Engineering, M/s. Bombardier Transportation Pvt. Ltd., Gurgaon, India	109
8	Operation & Control of Futuristic Grid	15-11-2018 VNR VJIET	Dr.Manohar Singh, Engineering Officer, Power Systems Division, CPRI, Bangalore, India	35
9	Research Methodology & Intellectual Property Rights	08-10-2018 VNR VJIET	Dr.M.Rammoorthy, former General CPRI, Distinguished Professor, VNRVJIET, Hyderabad, India	122
10	Control Systems in Guided Missiles	15-09-2018 VNR VJIET	Karunanidhi Subramoniam, scientist-G,DRDO, Hyderabad, India	123
11	Power Electronics and its Applications	20-07-2018 VNR VJIET	Mr.G.Raju,, M/s.Medha Servo Drives, Hyderabad, India	108



4.5.1.4.1 Mr.PankajS.Dhakate, Head of Engineering, M/s. Bombardier delivered lecture on “ Communication Based Train Control”



4.5.1.4.2 Hands on Session on Power Electronics and its Applications



4.5.1.4.3 Student Chapter Orientations to I Year Students



4.5.1.4.4 Project Expo -2K19 Inter collage Competition- OPEN HOUSE-2K19 during March 8th and 9th



4.5.1.4.5 Engineers Day Celebrations

Academic Year: 2017-2018

During the academic year 2017-2018, Student chapters have organised various events.

- Open House 2K18 on 12th March to 13th March 2018
- National Level Technical Fest - Convergence 2K18 on 5th Feb to 7th Feb 2018
- Convergence 2K18 on 5th Oct to 6th Oct 2018
 - Poster Presentations
 - Events under various different themes of convergence.
 - Various Workshop on Technical topics with certification from innovation cell, IIT Varanasi.
- EnginEER event on the eve of Engineer's Day.
- Five Guest Lecturers by Eminent Persons.
- Monthly Career Guidance Session by seniors under IEI Student Chapter.
- Student chapters organize Project Matrixing. To I Year Students before Freshers
- Alumini Mentoring
- Outreach Programmes

Table 4.5.1.7 Number, quality of Engineering events

S.No	Topic	Date/Place	Name Designation &	No. of students involved
1	Project Expo -2K18 Inter collage Completion	12-03-2018 & 13-03-2018	OPEN HOUSE-2K18	79
2	Circuit Nirmana & Tech Hunt	05-11-2018 & 06-10-2018	CONVERGENCE-2K18	250

3	Power of Habits	29-07-2017 VNR VJIET	Mr.Radha Pramod Das from Iskon,Bangalore, India	66
4	Directed Energy Laser Weapon	15-09-17 VNR VJIET	Dr.JanakiVallabah Chowdary Senior Scientist DRDL, Hyderabad, India	112
5	Role of Engineering Student in Rural Development	15-09-2017 VNR VJIET	Dr.K.Bala Raju, Professor Osmania University, Hyderabad, India	112
6	Entrepreneur ship Skills	19-09-2017 VNR VJIET	Ajay Akhnoor, SUNCORE Equipment Pvt. Ltd, Hyderabad, India	107
7	Design Sensitization	18-09-2017 VNR VJIET	Dr.P.Naresh Asst.Prof,Dept. of EEE VNR VJIET, Hyderabad, India	67
8	Application and Appreciation of Power Semiconductor Devices	11-11-2017 VNR VJIET	D.S.G.Krishna Asst.Prof, Dept. of EEE VNR VJIET, Hyderabad, India	67
9	Discrete Time Signal Processing Signal Level to System Level	31-10-2017 VNR VJIET	Dr.P.Srihari Professor, Dept. of ECE VNR VJIET, Hyderabad, India	67
10	Endowment Lecture on “ HVDC 100 kV , 100 MW Experimental project to 800	21-12-2017 Visvesvaraya Bhavan, Khairtabad, Hyderabad	Dr.RameshKoul Executive Director (Retd.) BHEL, Hyderabad, India	105

	kV, 6000Mw Multi Terminal System”			
11	Prospects and Challenges in Solar Photo Volatic (SPV) and Wind energy system WED)	07-03-2017 VNR VJIET	Dr.V.Sankar, Professor, EEE, Director Foreign Affairs and Alumni Matters, JNTU Ananthapur, India	123
12	PV Systems with Boost Converter Using P & O MPPT Technique	10-03-2018 VNR VJIET	Dr.G.Siva Kumar, Assistant Professor, NIT, Warangal, India	109
13	Electric Power System	12-06-2017 To 15-07-2017	Prof. A.Goswami& Prof.N.K. Kishore, IIT Kharagpur, India	20



4.5.1.5.1 Prize Distribution during Convergence



4.5.1.5.2 Dr.D.Vishwanatham Chief Guest addressing Students



4.5.1.5.3 Student Chapter -Republic Day Parade



4.5.1.5.4 Project Expo by Students