



**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING &
TECHNOLOGY**
Vignana Jyothi Nagar, Bachupally, Nizampet (S.O.), Hyderabad – 500 090

Department of Electrical and Electronics Engineering

Industry involvement in the partial delivery of courses

Apart from Knowledge and experience obtained from class room learning, guest lectures are organized by the department with industrial experts, scientists in various domains of the curriculum. The modern trends and current needs of the industry are being shared by the resource persons to the department in general and specifically students. This developed a platform/opportunity for few students to work for their industrial projects. This helps the students and faculty to understand the real time problems and share their ideas with the Industry experts.

Table.1.2.3.3.Details of Industry involvement in partial delivery of courses

S. No.	Title of the Lecture	Name of the Industry	Details of the Resource Person	No. of Students	Curriculum courses
1	Electric Vehicles for e-Mobility – the Future - Battery/Fuel Cell Powdered	BHEL corporate (R&D),Hyderabad.	Dr.P.V.Rajgopal, AGM(Retired)	15	Electric Hybrid Vehicle
2	Internet of Things Applications and Smart Energy Systems	Appleton Innovations,Hyderabad	BapujiKanaparathi Founder Appleton Innovations	15	IOT Technologies
3	Importance of Renewable Resource Assessment and Power Forecasting to maintain grid stability	Greenko Group, Hyderabad	Durga Bhavani A Assistant Manager Greenko Group, Hyderabad	15	Renewable Energy sources
4	Power Electronics in Reducing the Harmonics in Grid	Sukhila Power Electronics Pvt.Ltd.,Hyd.	B Anantha Reddy Sukhila Power Electronics Pvt.Ltd	14	Advanced Power Electronics
5	Research Methodology & Intellectual Property Rights	former General CPRI, Distinguished Professor, VNRVJIET, Hyderabad, India	Dr.M.Rammoorty, former General CPRI, Distinguished Professor, VNRVJIET, Hyderabad, India	14	Research Methodology
6	Control Systems in Guided Missiles	scientist-G,DRDO, Hyderabad, India	Karunanidhi Subramoniam, scientist-G,DRDO, Hyderabad, India	15	Advanced Control Systems
7	Power Electronics and its Applications	M/s.Medha Servo Drives, Hyderabad, India	Mr.G.Raju,, M/s.Medha Servo Drives, Hyderabad, India	14	Advanced Power Electronics Converters
8	Electrical Equipment in Power Plants – Concepts, Operation & Design	BHEL, Hyderabad, India	Sri.M.Vijaya Kumar General Manager (Retd) BHEL, Hyderabad, India	15	Electric Drive Systems, Advanced

S. No.	Title of the Lecture	Name of the Industry	Details of the Resource Person	No. of Students	Curriculum courses
	Aspects				power Electronic converters & MMA
9	Artificial Intelligence, Machine Learning and Deep Learning Applications to Smart Grid	General Electric, Hyderabad	Dr.P.Balakrishna Sr. Lead R&D Application Engineer, GE Grid Solutions, Hyderabad	15	Artificial Intelligence techniques
10	Power Electronics for Electrical Drives	M/s.Medha Servo Drives, Hyderabad, India	Mr.G.Raju, M/s.Medha Servo Drives, Hyderabad, India	15	Power Electronic Converters
11	Directed Energy Laser Weapon	DRDL, Hyderabad, India	Dr.JanakiVallabah Chowdary Senior Scientist DRDL, Hyderabad, India	16	Most of the Subject of Program
12	Business Model Canvas & Social Entrepreneurship	ALLIKA Pvt. Ltd., Hyderabad, India	Sri. Abdul Mujeeb, CEO, ALLIKA Pvt. Ltd., Hyderabad, India	15	English Paper Writing and Research Methodology
13	Transformation of Thinking of Electronics Systems Powered with Inspiration of Nature Towards Sustainable Products	TCS, Hyderabad, India	Mr.GLNMurthy , Senior Consultant Manager, TCS, Hyderabad, India	16	Advanced Power Electronic Converters
14	Opportunities for Electrical Engineering Graduates	Amazon, Hyderabad India	Mr.K.Avinash, Associate Engineer from Amazon, Hyderabad India	16	Electric Drive Systems, Advanced powerElectronic converters & MMA
15	Design & Technology for an Entrepreneur	Social Entrepreneur in Waste Management, Hyderabad, India	Sri. SaieshParuchuri, Social Entrepreneur in Waste Management, Hyderabad, India	15	English Paper Writing and Research Methodology
16	ERCOT Electricity markets overview and Emerging Challenges	Market Design and Analysis at the Electric Reliability Council of Texas, USA	Dr. M. Sainath Moorthy, Principal, Market Design and Analysis at the Electric Reliability Council of Texas, USA	16	Power Quality
17	Communication based train control	Head of Engineering, M/s. Bombardier Transportation Pvt. Ltd., Gurgaon, India	Mr.PankajS.Dhakate, Head of Engineering, M/s. Bombardier Transportation Pvt. Ltd., Gurgaon, India	16	English Paper Writing and Research Methodology
18	Operation & Control of Futuristic Grid	Engineering Officer, Power Systems Division, CPRI,	Dr.Manohar Singh, Engineering Officer, Power Systems Division,	14	Smart Grid & SCADA

S. No.	Title of the Lecture	Name of the Industry	Details of the Resource Person	No. of Students	Curriculum courses
		Bangalore, India	CPRI, Bangalore, India		
19	Endowment Lecture on “ HVDC 100 kV , 100 MW Experimental project to 800 kV, 6000Mw Multi Terminal System”	BHEL, Hyderabad, India	Dr.RameshKoul Executive Director (Retd.) BHEL, Hyderabad, India	14	HVDC Transmission systems
20	Entrepreneur ship Skills	SUNCORE Equipment Pvt. Ltd, Hyderabad, India	Ajay Akhnoor, SUNCORE Equipment Pvt. Ltd, Hyderabad, India	15	Research Methodology
21	Power of Habits	Iskon, Bangalore, India	Mr.RadhaPramod Das from Iskon,Bangalore, India	13	Most of the Subject of Program
22	Role of Engineering Student in Rural Development	Osmania University, Hyderabad, India	Dr.K.Bala Raju, Professor Osmania University, Hyderabad, India	14	Renewable Energy systems
23	Design Sensitization	VNR VJIET, Hyderabad, India	Dr.P.Naresh Asst.Prof,Dept. of EEE VNR VJIET, Hyderabad, India	15	Design Sensitization
24	Application and Appreciation of Power Semiconductor Devices	VNR VJIET, Hyderabad, India	D.S.G.Krishna Asst.Prof, Dept. of EEE, VNR VJIET, Hyderabad, India	16	Advance Power Electronic Converters
25	Discrete Time Signal Processing Signal Level to System Level	VNR VJIET, Hyderabad, India	Dr.P.Srihari Professor, Dept. of ECE VNR VJIET, Hyderabad, India	15	Digital Signal Processing and Control
26	Prospects and Challenges in Solar Photo Volatic (SPV) and Wind energy system WED)	JNTU Ananthapur, India	Dr.V.Sankar, Professor, EEE, Director Foreign Affairs and Alumni Matters, JNTU Ananthapur, India	14	Renewable Energy systems
27	PV Systems with Boost Converter Using P & O MPPT Technique	NIT, Warangal, India	Dr.G.Siva Kumar, Assistant Professor, NIT, Warangal, India	15	Renewable Energy systems
28	Electric Power System	Prof.N.K. Kishore, IIT Kharagpur, India	Prof. A.Goswami& Prof.N.K. Kishore, IIT Kharagpur, India	16	Power Quality