

GLIMPSE of The Program



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Program Outcomes:

PO-1: An ability to independently carry out research /investigation and development work to solve practical problems in Power Electronics and Allied Fields.

PO-2: An ability to write and present a substantial technical report/document.

PO-3: An ability to demonstrate a degree of mastery over the Power Electronics and Systems.

PO-4: Design and conduct experiments, as well as analyze the power electronic converters & drives and interpret the data.

PO-5: Function on multidisciplinary technological issues related to power electronics advancements.

PO-6: Use the techniques, skills, and modern engineering simulation tools necessary for the design and development of power converter topologies and engage in lifelong learning.

Program is Accredited by NBA in 2021

Scholarships are available as per MHRD Norms

Industry oriented internships are Provided

Fast Charging Station is developed by department.
State of art laboratories for all courses.
Opportunities for Merit Students to work with
Sponsored Projects funded by DST & AICTE

National Employability Award 2018
by *ASPIRING MINDS*

members encompass a wide gamut of sub-disciplines of Electrical Engineering. The Department takes pride in its ability to nurture students who win gold medals at the university level consistently. We also take up the social responsibility of inculcating awareness about Energy Conservation by promoting programs about the same. Collaboration with industries for timely amendments of curriculum and laboratories is another credential of the department.

About The Program:

Master of Technology in Power Electronics is a two-year post-graduate program dedicated to enlightening students with the research oriented knowledge and skilled as per the societal needs. M.Tech. (Power Electronics) has been accredited by *National Board of Accreditation (NBA)*. Power Electronics Program has a **Research Center** recognized by JNTU Hyderabad (The Affiliating University). Well qualified and experienced faculty ably supported by highly skilled and competent technicians are the strength of the program in the department. The Department has **37** faculty in various specializations. Department is reinforced with **20** Doctorates and Six faculty are guiding **10** Ph.D. Scholars as supervisors. 50% of the Doctorates are specialized in Power Electronics. Program has all infrastructural facilities required for imparting high quality education and is structured to meet the present day needs of the society.

Laboratory courses offered

We believe in laboratory based teaching. Laboratory experience and projects are an integral part of the program in each semester. Core laboratories like Power Converters & Applications, Machine modelling and Analysis, Advanced Power Electronic Converters and Python Laboratories provides a high quality visualization and strengthen the fundamentals to students at PG Level. Advanced research organizations sponsored state of the art laboratories like Digital signal processing based control of Power electronic, drives, Advanced computer applications to power Electronics provide hands-on experience to make students industry ready.

Exclusive Laboratories of the Program



Department of Electrical and Electronics Engineering M.Tech Program-Power Electronics



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution)

Bachupally, Nizampet (SO), Hyderabad - 500 090

About VNRVJIE: The Philosophy of Vignana Jyothi unravels education as a process of "Presencing" that provides, both individually and collectively, to one's deepest capacity to sense and experience the knowledge and activities to shape the future. Based on a synthesis of direct experience, leading edge thinking and ancient wisdom, it taps into 'deeper levels of LEARNING for discovering new possibilities'.

Today, with this philosophy, Vignana Jyothi has created an edifice that is strong in its foundations, which can only rise higher and higher. Quality and integrity is the essence for achieving excellence at Vignana Jyothi Institutions. This and quest for excellence reflects in the vision and mission. Their passion reflects in the enterprise of education.

About Department: The Department of Electrical & Electronics Engineering offers U.G and P.G programs in Electrical Engineering Discipline. The department has a rich tradition of teaching and research and is widely recognized to be a pioneer in Electrical Engineering Education. The Department is recognized as a Research Centre in Electrical and Electronics Engineering. The research work in the department is vibrant with the support of eminent professors like Dr.M.Rama Moorthy, former Director General, CPRI taking a keen interest in guiding the faculty members. The research interests of the faculty