

**Dr. Sastrv V Vedula** was associated with Indian Institute of Technology since 1968 for 3- decades during which he had been a Professor of Electrical Engineering between 1980 and 1998. He won various national awards such as Inventions awards of NRDC and VASVIK award and had the international recognition as a Humboldt Scholar from German Government. He visited the following universities: Technical Universities in Germany at Braunschweig (1972 and Munich (first half of 1992), National University of Singapore, Singapore (1982-84), University of Washington, Seattle, USA (second half of 1992)

He was with the department of electrical engineering, Iowa State University, Ames, IAUSA as Visiting / Adjunct Professor between August 1998 and September 2002, during which period he built a state-of-the art Power Electronics laboratory along with developing a curriculum in this area. He was associated with United Technologies Research Center (UTRC) between September of 2002 and August 2005 where he contributed to R & D in the areas of waste heat power generation, Fuel cells Freeze start, Elevators with energy storage devices and maintenance friendly door for elevators. Since August 2005 till 2012, he was with the applied research group of Hamilton Sundstrand working on the system level model development for the electric systems for the Boeing 787 aircraft, as well as modeling of Li-Ion batteries.

He was a Distinguished Visiting Professor of EEE department, SRM University from December 1, 2019 to Nov.30, 2021, during which period he helped to establish, EEE department from scratch. During the period April 2013 till date, was / is a Senior / Distinguished Professor, EEE Department, GVPCE, Visakhapatnam. His contributions over the last decade to GVPCE are briefly given here.

- Build a state of the art, “Integrated Electrical Machines & Drive systems Lab”, while acquiring a campus wide license for the LabVIEW- Multisim software for all the GVP institutions at a cost of 1.25crores.
- Advised 33 graduate students M Tech / 1Ph.D. with Power Electronics & Drives stream, while about 14 of them had internships following which some of them got absorbed with HBL power systems ltd, Hyderabad at various and 4 joined GVPCE as EEE faculty.



[Click here for graduate students list](#)

- Project coordinator of a 200 kWp off grid (solar+ wind) hybrid power system built on the roof tops of 3 GVP institutions, with overall cost of Rs 374 Lakhs, with a part subsidy of Rs 172 Lakhs from MNRE, Govt. of India.
- Collaborated with HBL power systems Ltd for the last 5 years, after short period as a retainer consultant and brought funding to GVPCE and built state of the art simulation lab for virtual prototyping of a PE converter fed motor drive.
- Four of the colleagues, who were closely associated with some of these activities, have left for better opportunities and finished their Ph.D. in IITs-India & in Taiwan and another moved to a job with Indian Railway services organization.

- Alumnus of IIT-Madras, who was his former student by name Mr. Yash Sodi in 1970, has instituted a “V.V Sastry” Endowment chair, at EE Department, IIT\_ Madras in April 2021. The first recipient of it is Prof. A. Das Gupta of EE Dept., IIT\_M.
- His current interests are in real time modeling of PE converter systems with an application to E Mobility.
- Evaluator for a Ph.D. Thesis submitted to Nagpur University and recently a Ph.D. student, who had registered in 2016 with KLEF, deemed University, Vaddeswaram, 520502, A.P. was awarded the degree on 13 June 2023.

Presently, he is the Director of E- Mobility Center, Distinguished Professor (R&D), EEE Department, GVP College of Engineering (A), Visakhapatnam 48, India. He is an elected Fellow of National Academy of Engineers (FNAE) in the year 1994, New Delhi and a Senior Member (Life), since 2007 of IEEE.

He won on 3 occasions, DST announced invention awards at three different times: 1970, 1973 & 1979 and VASVIK award in 1987 from VASVIK Kendra, Mumbai for his contributions to energy efficient product development.

He received Alexander von Humboldt Fellowship from German government over two different time periods: in 1972 and 1992. He was a recipient of Bimal Bose Award for his contributions in the field of Power Electronics in 1993

Vishakhapatnam

9 August 2023