## **Faculty Curriculum Vitae**

#### NAME: Pratap Reddy Talusani

**POSITION/TITLE:** Professor, Electronics and Computer Engineering Technology

OFFICE ADDRESS: STECH 100, Northeast Campus

**OFFICE TELEPHONE:** 713-718-5254

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#### EDUCATIONAL BACKGROUND/TRAINING

Institution:	University of Houston (Houston, Texas)
Dates:	01/1969 to 12/1970
Degrees Obtained:	MS, Electrical Engineering-Control Systems, 12/1970
Masters Thesis:	Comparison of Describing Functions of a Non-linear System with Dead band (Chair: William P. Schneider.)
Institution:	University of Houston (Houston, Texas)
Dates:	01/1970 to 12/1974; 01/1980 – 05/1985
	Completed 48 graduate hours in Electrical Engineering and Computer Science
Institution:	Osmania University (Hyderabad, India)
Dates:	06/1963 to 12/1967
Degrees Obtained:	BS, Electronics and Communication Engineering, 12/1967
Senior Project:	Pulse Width Modulator (Advisor: Umapathi Reddy)
Certifications:	CCNA, CCNI, MCP, A+, NET+

#### **RELEVANT TEACHING EXPERIENCE**

1982 – Present	Professor and past Department Chair
	Department of Electronics and Computer Engineering Technology,
	Houston Community College, Houston, TX
1995 – Present	Adjunct Professor, College of Technology, University of Houston,
	Houston, TX
1979 - 1980	Instructor, Electronics Engineering Technology, Houston
	Community College, Houston, TX
1977 – 1979	Instructor, Electronics Engineering Technology, Texas Southern
	University, Houston, TX

### **Faculty Curriculum Vitae**

1969 – 1970Research and Teaching Assistant, Electrical Engineering,<br/>University of Houston, Houston, TX

#### ACADEMIC SCHOLARSHIP/RESEARCH/CREATIVE ENDEAVORS

#### a. Publications

- Farrokh Attarzadeh, Deniz Gurkan, Miguel Ramos, Mequanint Moges, Victor Gallardo, Mehrube Mehrubeoglu, Reddy Talusani, Shruti Karulkar, "NSF GRANTEE PRESENTATION: Results of an Innovative Approach to Learning via Peer-to-Peer Undergraduate Mentoring in Engineering Technology Laboratories," Proceedings of the 2010 ASEE Annual Conference, Louisville, Kentucky. Abstract Accepted.
- 2. Farrokh Attarzadeh, Deniz Gurkan, Miguel Ramos, Mequanint Moges, Victor Gallardo, Mehrube Mehrubeoglu, Reddy Talusani, "NSF GRANTEE PRESENTATION: RESULTS OF AN INNOVATIVE APPROACH TO LEARNING VIA PEER-TO-PEER UNDERGRADUATE MENTORING IN ENGINEERING TECHNOLOGY LABORATORIES," Proceedings of the 2009 ASEE Annual Conference, Austin, TX.
- 3. P. Reddy Talusani, Earnest G. Robinson, "Minicomputer Technology Curriculum in collaboration With Digital Equipment Corporation," Presented at the 1986 Annual Conference of Texas Technical Society
- P. Reddy Talusani, "Mathematical Computations for the Brown & Root Navigation and Positioning System," Technical document T-1974-05-08, Brown & Root, Inc., May 1974

### **b. Industrial Experience**

- **Brown & Root, Inc.,** *Communication Systems Engineer:* Developed software and algorithms for positioning system for off shore pipe laying using HP mini computers, developed drivers for plotter in assembly and machine language; Designed and implemented I/O interfaces. Designed HF/UHF communication systems and conducted propagation studies.
- Geodetic Surveys Company, Manager of Research and Development: Developed algorithms and designed hardware and software for data acquisition, hydrographic and land seismic surveys
- **Photogravity Company,** *Consulting Engineer*: Interfaced Intel-based PC to satellite Doppler system and designed software for land and shallow water surveying, and gravity calculations.

# **Faculty Curriculum Vitae**

• **Consultant,** Embedded micro Controllers; Computer Networks and Data communications systems design and configuration, software development for various companies

#### c. Grants and Awards

- PI, NSF ATE start up grant to enhance Biomedical Equipment Technician Program, \$50,000
- co-PI working on a curriculum development project "An Innovative Approach to Learning via Peer-to-Peer Undergraduate Mentoring in Engineering Technology Laboratories" funded by NSF in collaboration with the Team of Engineering Technology Professors at the University of Houston, \$199,985
- PI, Digital Equipment Corporation start up grant for Mini/micro Computer Technology Program, \$50,000
- National Merit Scholar