

CURRICULUM VITAE

PENTHALA THANUJA,
10-12-141,
Girmajipet, Kashi Bugga,
Warangal,
Telangana 506 002

Email:tanujapenthala@gmail.com
Contact: +91- 8886663209

Career Objective:

To be associated with a Progressive Organization that gives scope to update my knowledge on accordance with latest trends and be a part of a team that works towards the growth of the organization.

Academic Qualification:

Qualification	Name Of The Institution	Year Of Passing	Percentage
M.Tech(Control Systems)	Ramappa Engineering College	2010	69.86%
B.Tech(Electrical and Electronics Engineering)	Vaagdevi College of Engineering	2008	54.88%
Intermediate	Sadhana Junior College	2002	78.5%
SSC	Kakathiya Gurukula Vidhyalayam	2000	80.1%

Technical Skills:

- Technical Languages : C, MATLAB, P-Spice
- Software Package : MS-Office.

Work Experience:

- Worked as Assistant Professor at Ramappa Engineering College, HanamKonda from June 2011- June 2012.
- Presently working as Assistant Professor at Vaagdevi College of Engineering, Bollikunta, Warangal from July 2012 to Till date.

Publications:

- P. Thanuja, B. Swetha “Simulation and control scheme form stand-alone wind energy conversion systems”, International Journal of renewable energy trans. Power engg., 18, pp.327-343, 2015.

- P. Thanuja and K. Anjali, “A two stage single phase grid connected PV system in high performance of constant power generation”, International Journal of innovative engineering and management research, 7(7),2018.

Conference:

- Thanuja, Y. Neelima “Advanced Design Tools for the Reliability of Power Electronics” 3rd International Conference on Research and Modern Innovations in Engineering & Technology(ICRMIET), Jan 2019

Faculty Development Programs:(Workshops attended):

- Attended 12 day workshop on “Artificial Intelligence (AI) applications in electrical engineering” at NITW from 29th June-11th July 2009.
- Attended 2 day workshop “TEAPS-2011” at Ramappa Engineering College, Hanamkonda from 29th June-30th June 2011.
- Attended two day workshop on “ Power quality improvement in distributed generation” at CJITS, Jangaon, Warangal during 9th September-10th September 2011.
- Attended One Week Faculty development Programme (FDP) on “Power Quality Analysis and Improvement Techniques” at NITW from 18th June-23rd June,2018.
- Attended Five Day Program on “Research, Simulation and Analysis of Modern Power system Issues” at NITW from 5th November-9th November, 2018.

Roles & Responsibilities:

- Acting as Department Library In-charge, Control System Laboratory In-charge & Alumni In-charge in Vaagdevi College of Engineering.
- Active member in the Department NBA & NAAC Accreditations (Department Budget) in Vaagdevi College of Engineering.
- Participated in Workshops organized by different Institutions.
- Organizing Committee member for the college Events.
- Guided **8** post graduate projects, **12** under graduate projects and **12** mini projects.

Subjects handled:

Control Systems, Advanced Control Systems , Digital Control Systems, Electrical Circuits, Electrical Technology, Principles of Electrical Engineering, Electrical Measurements, Power System Operation and Control.

Project Details:

Title: Model Reference Adaptive Controller-Based on Rotor Resistance and Speed Estimation techniques for Vector controlled Induction Motor Drive Utilizing Reactive Power.

Description:

In this project, a detailed study on the Model Reference Adaptive Controller (MRAC) utilizing the reactive power is presented for the online estimation of rotor resistance to maintain proper flux orientation in an Indirect Vector Controlled Induction Motor Drive. Selection of reactive power as the functional candidate in the MRAC automatically makes the system immune to the variation of stator resistance.

Moreover, the unique formation of the MRAC with the instantaneous and steady-state reactive power completely eliminates the requirement of any flux estimation in the process of computation. Thus the method is less sensitive to integrator-related problems like drift and saturation (requiring no integration). This also makes the estimation at or near zero speed quite accurate. Adding flux estimators to the MRAC a speed sensor less schemes is developed.

EXTRA – CURRICULAR ACTIVITIES:

- Participated in Artificial intelligence (AI) Applications in Electrical Engineering of NIT, Warangal.
- Participated in Cultural activities of school and college annual day functions.
- Secured first place in college level Essay writing competition.
- Organized many activities on behalf of EEE Association

Strengths:

- Punctual
- Hard Working
- Self Confident
- Good Patience

Personal Profile:

Date of Birth	:	29.06.1985
Nationality	:	Indian
Religion	:	Hindu
Gender	:	Female
Marital Status	:	Married

Husband's Name : Prathap
Personal Strength : Supportive family
Languages known : Telugu & English

DECLARATION:-

I hereby declare that the information furnished above is true to the best of my knowledge. I will try my best to do the work assigned to me.

Place: Warangal.

Date:

(P.Thanuja)