

NIREESHA THEEPALAPUDI

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Carrier Objective:

To associate with an organization that provides me an opportunity to show my techno proficient skills to improve my knowledge with the latest trends and to be a part of the team that works dynamically towards the growth of the organization.

Educational Qualifications:

S.no	Course	Name Of the Institution	Year Of Passing	Percentage
1.	M. Tech (CS)	J. N. T. U. Anantapur	2022	8.29
2.	B. Tech (ECE)	N.B.K.R institute of science & technology	2019	6.94
3.	Intermediate	APSWRS/Jr college, Dakkili	2015	8.27
4.	SSC	APSWR School, Sullurpeta	2013	6.7

Technical Skills:

- Operating System : Windows
- Technical : Core java, HTML
- Database : SQL

Personal Project :

Title : A Modified SIMC based PID controller Design for Disturbance Rejection in Unstable Processes.

Tools : PID controller, IMC, SIMC, MATLAB (Simulink).

Introduction : This project develops unified approach of the PID controller design for low as well as high order unstable processes with time delay. The design method is based on the Direct Synthesis (DS) approach to achieve the enhanced load

disturbance rejection. To improve the performance in the set point tracking and the load disturbance rejection of the unstable processes, a two degree of freedom controller structure is used. A two degree freedom control scheme is considered to improve the servo performance. The tuning rules proposed for the time delayed unstable processes are based on the IMC (Internal Model Control).

Objective : The main objective of this project is to determine the PID controller achieving the various performance requirements for low & high order unstable processes. The basic IMC PID controller is suitable for enhancing only servo operation of the processes but regulatory operation is slow. The SIMC tuning method is designed to improve the set point response and disturbance rejection. The advantage of the SIMC when compared to IMC is that it improves the performance under the observation of disturbance.

Software used : MATLAB

Curricular activities:

- Worked as volunteer in TECHNOQUEST & AAVISHKAR Events.
- Certification on “**ALSK PRO**” Conducted by **TEXAS INSTRUMENTS**.
- Member of IETE & IEEE.

Strength:

- Quick learning ability
- Self-Motivational
- Being Flexible to work
- Good at Communication

Personal Details:

- Name : Nireesha T
- Date Of Birth : 23-08-1997
- Father's name : Ramanaiah T
- Mothers' name : Jayamma T
- Nationality : INDIAN
- Languages Known : English, Telugu
- Address : Busapalem /Vakadu-M/Nellore-D/Andrapradesh-524403
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Declaration:

I here by declare that the information mentioned above is true up to my knowledge and bear the responsibility for correctness of mentioned particulars.

PLACE:**Yours Sincerely****DATE:****T. Nireesha**