

Name: A. Adithya Kashyap
Designation: Assistant Professor
Department: Electronics & Instrumentation Engineering
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Experience (in years): Teaching: 10 Research: 03 Industry: 01

1 Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D	Pursuing	Process Control
2.	M.Tech	2010	Industrial Process Instrumentation
3.	B.Tech	2007	Instrumentation & Control Engineering

2 Teaching and Learning:

2.1 Teaching Interests:

Transducers & Applications, Fiber Optics & Laser Instrumentation, Linear Integrated Circuit Applications, Process Control Instrumentation, Sensors and Signal Conditioning, Instrumentation and Control Systems, Virtual Instrumentation, PC Based Instrumentation, Electronic Measurements and Instrumentation, Signals & Systems, Computer Organization, Basic Electronics.

2.2 Novel Teaching & Learning Techniques adopted: POGIL, WIT & WIL.

2.3 Involvement in curriculum updating / Design: Involved in design of Syllabus for Sensors & Signal Conditioning Subject and design of Lab manuals & Lab protocols.

3 Co-curricular and Extra-Curricular Activities:

3.1 Interests and Hobbies: Reading books.

3.2 CCA/ECA Organized: Conducted a one week workshop on “Introduction to PLCs” in December 2013.

3.3 CCA/ECA participated:

- Worked as Member of Finance Committee, Convergence 2015.
- Participated in Shadow Engineering & Mirror Engineering programmes.

4	An AGC mechanism for control of two area multi-unit power system	NSI - 39	National	September 2014
5	Restoration of X-ray images using LabVIEW	ICRAESIS-2015	International	December 2015
6	Image Compression with DCT using LabVIEW	ICRAESIS-2015	International	December 2015
7	Multi-model Control of Nonlinear Processes - A Fractional Order Filter based Approach	ICECON - 2019	International	December 2019
8	Design of Decentralized fractional order controller for a TITO process	NSI - 42	National	December 2020
9	Design of fractional order PI controller for a PEM fuel cell	CHEMBIOEN 2022	International	November 2022
10	Enhanced Smith predictor based Fractional filter IMC-PI Controller design for FOPTD processes	IEEE ICAECIS 2023	International	April 2023

5.8 Papers published in reviewed Journals:

S. No	Title of the Paper	Journal Name Vol. No. PP	ISSN No.	Impact Factor	National/ International
1	Design of Multi Model Fractional Controllers for Nonlinear Systems: An Experimental Investigation	Computer Aided Chemical Engineering Volume 46, pp. 1423 – 1428, 2019	1570 - 7946.	----	International
2	An Automatic Wave Probe Reference Setting Mechanism in High Speed Towing Tank	International Journal of Research in Engineering & Technology Volume- 02, pp. 515 – 521, 2013	2319 - 1163	2.375	International

5.9. Sponsored research Projects: NA

5.10 Consultancy Projects: NA

6 Awards / Honors received: NA

7 Motto: To perform valued research in the field of Instrumentation and Control.