

Name: Dr. Rajasekhara Reddy B

Designation: Assistant Professor

Department: Electronics & Instrumentation Engineering

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Experience (in years):            Teaching: 3            Research: 6            Others(if any, specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD	2017	Process Control & Instrumentation
2	MTech	2002	Instrumentation Engineering
3	BTech	1998	E. I. E

### 2. Teaching and Learning:

2.1. Teaching Interests: Control Systems, Process Control, Digital Control Systems, Modern Control Theory, System Identification and State Estimation.

2.2. Novel Teaching & Learning Techniques adopted:

2.3. Involvement in curriculum updating / Design:

### 3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level:

Institute Level:

### 4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

4.2 Attended: 6

### 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 2

5.2. Articles/Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided :

a) UG :

b) PG :

5.5. Research Interests : Nonlinear System Identification and Model Based Control.

5.6. Ph.D students :

a) Enrolled :

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Citation Index	National/ International
1	Model based control of resonating processes	<i>Robotics &amp; Automation Engineering Journal</i> , <b>1(4):555566</b>		0	International
2	Modelling and control of resonating processes: Part I - System identification using orthogonal basis function	<i>International Journal of Dynamics and Control</i> , <b>5(4)</b> , pp.1222-1236	ISSN: 2195-2698	2	International
3	Modelling and control of resonating processes: Part II - Model based control using orthogonal basis function based Wiener models	<i>International Journal of Dynamics and Control</i> , <b>5(4)</b> , pp.1237-1251	ISSN: 2195-2698	1	International
4	Kautz Filters based Model Predictive Control for Resonating Systems	<i>International Journal of Dynamics and Control</i> , , <b>5(3)</b> , pp.477-495	ISSN: 2195-2698	2	International
5	Model predictive Control for resonating Systems using Kautz model	<i>International Journal of Automation and Computing</i> , <b>13(5)</b> , pp. 501-515	ISSN: 1476-8186 (print version) ISSN: 1751-8520 (electronic version)	2	International
6	Real time model predictive control of a four tank interacting storage system	<i>Computer Aided Chemical Engineering</i> , <b>31</b> , pp .335-339	ISBN: 978-0-444-63965-3	1	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- Holding GATE rank, AIR-210 in GATE-2006 \& Scholarship from MHRD, Govt. of India for pursuing M.E
- Research Assistance Scholarship from MHRD, Govt. of India for pursuing Ph.D.

7. **Motto:**Be good do good