

**DEPARTMENT OF INSTRUMENTATION ENGINEERING
MIT CAMPUS, ANNA UNIVERSITY, CHROMPET
RESEARCH SCHOLARS DETAILS**

COMPLETED:

S.No	Name of RS/ Mode	Supervisor name	Title
1	R.Senthil April 2007	Dr.J.Prakash	Design of observer based nonlinear model predictive controller for continuous stirred tank reactor
2	K.Srinivasan April 2009	Dr.J.Prakash	Design and implementation of nonlinear Control schemes on the simulated model Of CSTR and PH processes
3	S.Kumar June 2011	Dr.J.Prakash Joint supervisor	Design and implementation of nonlinear state and parameter estimation schemes for three phase induction motor
4	R.Arun	Dr.J.Prakash	Design and Implementation of Model Based Control Schemes For Stable Linear Systems
5	M. Elenchezhiyan 1114339112 March 2017	Dr. J. Prakash	State Estimation of Stochastic nonlinear hybrid Dynamic System Using an Interacting Multiple Model Algorithm
6	S.Kapil Arasu 1114339718 2019	Dr.J.Prakash	Design and implementation of predictor corrector approach based control schemes for nonlinear benchmark processes
7	Atanu Panda 1115339102 2018	Dr. J. Prakash	State Estimation and non linear model based control of benchmark process using unscented Kalman filter
8	S.Sakthivel Murugan 2914439746 March 2015	Dr. V. Natarajan	Analysis of Signal Processing Algorithms for Signal Enhancement in Under Water Noise
9	C. Vinoth Kumar 1114439132 Apr 2019	Dr.V.Natarajan	Analysis of reversible data hiding algorithms for medical images

10	A.Lavanya November 2013	Dr.V.Natarajan	Analyzing robustness of watermarking in medical images based on singular value decomposition in frequency domain using chaotic maps
11	M.Lavanya 1324439142	Dr.V.Natarajan	A Novel authentication and key agreement protocol for WSN
12	J. Sivakamasundari 922439718 November 2016	Dr.V. Natarajan	Development and Validation of Content based Image Retrieval Schemes for Retinal Image analysis
13	K.Sujatha 2006439710 August 2011	Dr. N. Pappa	Image processing for flame monitoring in power station boilers
14	S.Geethalakshmi 2007339124 April 2012	Dr. N. Pappa	Modeling for control of fed-batch fermentation process for the production of recombinant protein in Escherichia coli
15	S.Sujatha 2006339706 November 2012	Dr. N. Pappa	Support Vector Machine based Modeling and Control of a Batch Reactor
16	D Vasanthi 2006339704 September 2013	Dr. N. Pappa	Modeling and control of Chylla-Haase polymerization reactor
17	T. Babu 2006339702 August 2014	Dr. N. Pappa	Heuristic algorithm based controller design and stability analysis using model order reduction of interval system
18	Anuj Abraham 1215339777 February 2017	Dr.N.Pappa	Reduced Order Modeling and Control of Typical Industrial Processes
19	C.Shanthi 1122339130 August 2017	Dr.N.Pappa	Efficient image based techniques for Coal, Gas and Leather Industrial Applications
20	C.Pandeeswaran 1012439710 August 2018	Dr.N.Pappa	Hybrid MAC protocol design to achieve energy efficiency and low latency for time critical applications

21	M.Chitra (FT) 1524439597 chitramurugan.g@gmail.com 9486421469 June 2020	Dr.N.Pappa	Modeling and Control of Fed-batch bioreactor
22	P.Bhanu 1225339772 bhanu.kp@gmail, 9551031310 June 2020	Dr.N.Pappa	An Efficient Control and Harmonic Level Minimization for Renewable Energy System
23	Christy Bobby T 2924439749 November 2013	Dr.D.Manamalli Joint Supervisor	Qualitative Analysis of Bone Strength Using Radiographic Imaging and Ultrasound Measurements
24	S. Ewins Pon Pushpa 2007439187 September 2014	Dr.D.Manamalli	Scheduling Analysis of Non-Preemptive Periodic Task Using UML-RT
25	Sangeetha S 2724339712 October 2014	Dr.D.Manamalli	Anisotropy Analysis on Trabecular Architecture in Radiographic Femur Bone Images Using Spectral and Multiscale Spatial Methods
26	S.Vijayalakshmi 2924439106 October 2014	Dr.D.Manamalli	Modelling and Control of Industrial Processes using Linear Parameter Varying Method
27	P.Deepa 2006329705 June 2015	Dr.D.Manamalli [Jointly Guided by: Dr.R.C.Panda, Senior Scientist, CLRI]	Intelligent control of liquid level in a Spherical tank system
28	M.Mythily 2922439717 December 2015	Dr.D.Manamalli	Advanced Control Strategies Applied to Catalytic Cracking Unit
29	P.Dhinakaran 2914339108 September 2016	Dr.D.Manamalli	Model based Control Techniques Applied to Nonlinear Systems
30	S.Kanagalakshmi 1122339704 April 2017	Dr.D.Manamalli	Multimodel based control schemes for a typical neutralization process and injection molding process

31	A.Malarkodi 2924438706 (MS by Research)	Dr.D.Manamalli	Analysis of backscattered signals for classification of underwater objects
32	E.Priya 2924439752 November 2013	Dr.S.Srinivasan	Automated Analysis on Enhancing the Diagnostic Relevance of Tuberculosis image using image Processing and Artificial Intelligence
33	N Sri Madhava Raja 2814339102 September 2014	Joint sup SS	Detection and analysis of retinal vasculature using optimization based multi-level thresholding
34	A.Mythili 2922339711 April 2015	Dr.S.Srinivasan	Prediction and Classification of Pulmonary Abnormality Using Spirometric Investigations
35	H. Prasanna Kumar 1115339702 May 2015	Dr.S. Srinivasan	Follicle identification and Investigation on Polycystic Ovary Syndrome Using Ultra sound Images
36	A.V.Nageswara Rao 1315339754 April 2018	Dr.S.Srinivasan	Ventricular Analysis of Cardiac Magnetic Resonance images using Automated Hybrid Segmentation Methods
37	S.Anitha Kumari 1424339728 October 2019	Dr.S.Srinivasan	Ash Fouling Monitoring and Soot Blow Optimization for a Thermal Power Plant Reheater
38	K Balakrishnan 2813319701 September 2013	Dr.K.Latha Joint supervisor	Investigation and resonance compensation in hybrid stepper motor
39	Mr.V.Rajinikanth 2714339707 November 2013	Dr.K.Latha	Heuristic Algorithm based identification and controller design for a class of Unstable systems
40	Paramasivam.A 1614339135 parama.ice@gmail.com & 9500620901 May 2019	Dr. K. Kamalanand	Analysis of normal and abnormal Electro Gastrograms using Machine Learning and Internet of things
41	A.Bakiya 17244997446 bakiya88@gmail.com 9884948410 July 2020	Dr.K.Kamalanand	Analysis of normal and abnormal Electromyograms using fractional calculus and computational intelligence