

FACULTY PROFILE

1	Name of Faculty	Dr. RAMESH KUMAR P		
2	Designation	Assistant Professor		
3	Department	Electrical & Electronics Engineering		
4	Contact No.	9447884745		
5	Email	rameshp36@gmail.com		
6	Academic Qualifications			
	Degree	Year	Branch/Area of Specialization	Institution
	PhD	2017	Systems & Control Engineering	IIT Bombay
	M.Tech.	2007	Instrumentation & Control	National Institute of Technology, Kozhikode
	B.Tech.	2002	Electrical & Electronics Engg	REC Calicut, Calicut. University
7	Professional Experience			
	Period Served	Name of institution		Designation
	13-12-2005 to Till date	Govt. Engg. College, Thrissur		Assistant Professor
8	Publications (List is attached)			
	Journal	3		
	International Conference	10 Nos.		
	National Conference	Nil		
9	No. of STTPs attended from 2012	7Nos.		
10	Membership in professional Bodies	M.I.E.E.E		
11	No. of M.Tech. projects guiding/guided from 2012	Guided	Guiding	
		2	1	
	No. of PhD Scholars guiding	Nil		
12	Field of interest	Sliding Mode Control and its Application, Biomedical Signal Processing, Adaptive and Iterative learning control.		
13	Additional Responsibilities	<ul style="list-style-type: none"> ➤ Faculty-in-charge of Department Library ➤ Department Lab Exam Coordinator 		



		<ul style="list-style-type: none"> ➤ College Drama Club Staff advisor ➤ NSS Programme officer ➤ Faculty In charge of Student publication “GRAFITTY”
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LIST OF INTERNATIONAL JOURNALS/CONFERENCES/NATIONAL CONFERENCES

DETAILS OF INTERNATIONAL/NATIONAL CONFERENCE

Name of publication/paper presentation	Details of journals/publications	Date & year paper presentation & Co-Author	Is On-line available? (Yes/No)
2012-13			
<i>“Stabilization of Stewart Platform Using HOSMC”</i>	Proceedings of IEEE ICECE-2012 Dhaka-Bangladesh	Dec. 20-22 2012 (Prof. B.Bandopadhyay)	Yes
<i>“Stabilization of Stewart Platform Using SSOSMC”</i>	Proceedings of IEEE-IES ISIE-2013 Taipei-Taiwan	May 27-31 2013 (Prof. B.Bandopadhyay)	Yes
2013-14			
<i>“The forward Kinematic Modeling of Stewart Platform Using NLARX Model with Wavelet Network”</i>	Proceedings of. IEEE-IES INDIN-2013 Bochum-Germany	July 28-31 2013 (Prof. B.Bandopadhyay)	Yes
<i>“Variable Gain Super Twisting Controller for the Position Stabilization of Stewart Platform”</i>	Proceedings of . IFAC-ACODS 2013,IIT Kanpur-INDIA	March 13-15 2014 (Prof. B.Bandopadhyay)	No
2014-15			

“Multivariable continuous integral sliding mode control ”	Proceedings of 2015 International Workshop on Recent Advances in Sliding Modes (RASM),	04-09- 2015, Page 1-5(Prof. B.Bandopadhyay, Dr .Syamkamal,Dr Asif Chalanga.)	Yes
2015-16			
“Position Control of Stewart Platform Using Continuous Higher Order Sliding Mode Control”	Proceedings of 10th Asian Control Conference. Kota-Kinabalu, Malaysia	4 th July 2015, (Dr. Asif Chalanga, B Prof. Bandyopadhyay.)	Yes
“Smooth integral sliding mode controller for the position control of Stewart platform” (Journal)	International Journal of ISA Transactions	30 th Sept 2015 (Dr. Asif Chalanga, B Prof. Bandyopadhyay.)	Yes
“Super twisting controller for the position control of Stewart platform”	Proceedings of ICACCI -Cochin-Kerala	10-13 Aug. 2015,Pages: 624-629, (Prof. Bandyopadhyay.)	Yes
“Higher Order Sliding Mode Control Based Duty-Ratio Controller for the DC/DC Buck Converter with Constant Power Loads”	Proceedings of International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016, Chennai	3-5 March. 2016, (Ms Arsha Unni B.)	Yes
2016-17			
“Robust Finite-Time Tracking of Stewart	IEEE Transaction on Industrial		

Platform: A Super-Twisting Like Observer-Based Forward Kinematics Solution” (Journal)	Electronics	May 2017 (Dr. Abhisek Kumar, B Prof. Bandyopadhyay.)	Yes
“A high gain step Up Z-Source DC-DC converter feeding a multilevel inverter”	Proceedings of 2017 IEEE Region 10 Symposium (TENSYP)- May 2017-Cochin	May-2017 (Rini Paul, Amar Dutt)	Yes
2017-18			
“Design of Robust Chattering free Integral Sliding Mode Controller for Dual Input Buck Boost Converter” (Journal)	International Journal of Applied Engineering Research	Jan-2018 (Lisy. E.R, M.Nadakumar, Anasraj. R)	Yes

LIST OF STTP'S ATTENDED

2012-13					
Sl No	Name of Course	Period		No. of days	Name of institution
1	Variable Structure and Sliding Mode Control - Concept, Theory and Applications	21-03-2013	25-03-2013	5	IIT Bombay
2014-15					
1	Embedded Control Systems (sponsored by AICTE)	12-5-2014	16-05-2014	5	IIT Bombay
2	Dynamics and Control in State Space (sponsored by AICTE)	19-05-2014	23-05-2014	5	IIT Bombay
3	Coupled Tank System and Simtronics Dynamic Simulation Software	06-04-15	08-04-15	3	Govt. Engineering College, Thrissur

2015-16					
1	Hands-on Training on System Design using NI LabVIEW	29-2-2016	04-02-2016	5	Govt. Engineering College, Thrissur
2	Workshop on “Wind Emulator” (sponsored by TEQIP Phase II)	03-02-16	05-02-16	3	Govt. Engineering College, Thrissur
2016-17					
1	IEEE Fall School on Modern Sliding-Mode Control	26-10-16	30-10-16	5	IIT Bombay

LIST OF M.Tech. PROJECTS GUIDED

Sl No	Name of Course	Period	Name of student
01	“Higher Order Sliding Mode Control Based Duty-Ratio Controller for the DC/DC Buck Converter with Constant Power Loads”	2015-16	Arsha Unni B
02	“A high Gain Step Up Z Source DC-DC Converter Feeding Multilevel Inverter”	2016-17	Rini Paul