


Name of the Teaching Staff	Dr. P. Anantha Christu Raj				
Designation	Assistant Professor (Selection Grade)				
Department/ School	Robotics Engineering/ SET				
Date of Joining the Institution	05 – 05 – 2008				
Qualification with Class / Grade	UG	PG	Ph.D.		
	I Class	I Class	Highly Commendable		
Other Qualifications	-				
Area of Specialization	Advanced Robotic Process Automation, Industrial Robot Sensors technology				
Research Interests	<ul style="list-style-type: none"> • Robotic Systems • System Modelling and control • Energy saving 				
Total Experience in Years	Teaching		Industry	Research	
	15 years & 6 Months			15 years & 6 Months	
Papers Published	National	8		International	20
Papers Presented in Conference	National	12		International	2
Seminars/ Workshops Participated	20				
FDP/ STTP/MDP/ Summer/Winter School attended	25				
Ph.D. Projects Guided	Ph.D.s	7	Project at Masters Level	10	
Professional Memberships	<ul style="list-style-type: none"> • The Robotic Society 				
Educational Details	<ul style="list-style-type: none"> • Anna University – Chennai, Tamilnadu, <i>Ph.D. in Electrical & Electronics Engineering, July 2019</i> • Anna University – Chennai, Tamilnadu, <i>M.Tech in Engineering Design, May 2008</i> • Anna University – Chennai – Coimbatore, Tamilnadu, <i>B.E. Electrical & Electronics Engineering, May 2006</i> 				
Experience	15 Years & 6 Months				

<p>Contact Details</p>	<p>Dr. P. Anantha Christu Raj Assistant Professor (Selection Grade), Division of Robotics, Karunya Institute of Technology and Sciences Ph: 91-9843464053 anantha@karunya.edu</p>
<p>Papers Published</p>	<ol style="list-style-type: none"> 1. Dr. P.Anantha Christu Raj “Implementation and Manufacturing of DT Sensor Ecosystem for Real-Time Monitoring of Virtual 3D Printers”SN Computer Science., 2023, 4(5), 556. 2. Dr. P.Anantha Christu Raj “Early Detection Of Breast Cancer Using Artificial Intelligence For Personalized Healthcare” Journal of the Balkan Tribological Association Vol. 29, No 3, 369–389 (2023). 3. Dr. P.Anantha Christu Raj “Improving Accuracy In Emotion Classification Using Game Theory And Multi-Physiological Signals” Journal of the Balkan Tribological Association Vol. 29, No 3, 429–440 (2023). 4. Dr. P.Anantha Christu Raj “Machine Learning-Based Management of Hybrid Energy Storage Systems in e-Vehicles”Journal of Nanomaterials 2022, 8270718. 5. Dr. P.Anantha Christu Raj “Analysis of Foot-Ground Interaction for Assessment of Gait Using Lab View” Journal of New Materials for Electrochemical Systems” 25(1), pp. 17-25. 2022 6. Dr. P.Anantha Christu Raj “Investigation of Mechanical Properties of Sansevieria cylindrica Fiber/Polyester Composite” Advances in Materials Science and Engineering, Volume 20,2022 7. P.Anantha Christu Raj,” Smart Charging in Electric Vehicles and Its Impact on the Evolution of Travelling”, EAI/Springer Innovations in Communication and Computing pp. 197-217. 8. P.Anantha Christu Raj,” Implementing an effective and secure resource architecture for vlsi block encryption” Journal of Nuclear Energy Science and Power Generation Technology 10(9),1000214,2021. 9. P.Anantha Christu Raj,” Implementing a programmable drop voltage controller vlsi” Journal of Nuclear Energy Science and Power Generation Technology10(9),1000222,2021. 10. P.Anantha Christu Raj “IoT based smart machinability system and performances of MRR on Haynes alloy “Materials Today: Proceedings,Volume 45, Pages 2528, 2021 11. - P.Anantha Christu Raj “IoT based stir casting system of aluminium MMC “Materials Today: ProceedingsVolume Volume 45, Pages 2818 – 2820, 2021 12. P.Anantha Christu Raj “Methodological Role of Mathematics to Estimate Human Blood Pressure through Biosensors” International Journal of Integrated Engineering, Volume 13, Issue 1, Pages 240 – 2482021 13. P.Anantha Christu Raj “Frequency measurement through electric network analyzer for ultrasonic machining of steel “Materials Today: Proceedings Volume 45, Pages 1775 – 1778.2021

14. P.Anantha Christu Raj, "Green transportation technology based on ergonomic posture monitoring for enhanced driver safety system" Journal of Green Engineering, Vol 10(11),P12498-12506,2020
15. P.Anantha Christu Raj, Hepsiba,, Anand, V. "Green technology based biomedical device for low cost screening of arthritis in rural areas" Journal of Green Engineering, Vol 10(10),P8142-8153 ,2020
16. P.Anantha Christu Raj, "Visualization and Classification of Diseases using Deep Learning Based" Materials Science and Engineering, vol1,p 937-939,2020
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19. P.Anantha Christu Raj, Electrospun nanofibrous materials for biomedical textiles, Materials Today: Proceedings 21, pp. 1818-1826 ,2020
20. P Anantha Christu raj , "Generalized predictive controller design for compressed air distribution" International Journal of Innovative Technology and Exploring Engineering.2019
21. P Anantha Christu raj , "Three-axis force measurement using capacitive sensor for object detection" International Journal of Innovative Technology and Exploring Engineering.2019
22. P.Anantha Christu Raj, , "Development of mechanical based solar panel tracking system using FPGA" International Journal of Mechanical Engineering and Technology, Vol9 (11),p 1667-1674 ,2018
23. P Anantha Christu raj, "Mini Optacon for Disabled" Journal of Advanced Research in Dynamical and Control System.2018
24. P.Anantha Christu Raj, "Design and development of vehicle monitoring system through black box in a car" International Journal of Mechanical Engineering and Technology, Vol 8(10) page 493-501,2017.
25. P.Anantha christu raj, "Design and development of level measurement using wireless module" International Journal of Civil Engineering and Technology 8(9), pp. 1058-1064,2017
26. P.Anantha christu raj, "A PID Fuzzy Controller for Energy Optimization in Flow control" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.20 2015
27. P.Anantha christu raj, "A PI - Fuzzy Controller with Flow Control and Energy Optimization Using Flow Sensors" Optoelectronics And Advanced Materials – Rapid Communications Vol. 9, No. 5-6, p. 885 – 890, May – June 2015,
28. Design of fuzzy immune PID controller for liquid level control system" IEEE transaction Computer and Network Technology, ICCNT 2010 5474436, pp. 566-570