Sl No	Particulars		
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2	Address of the parent institution	BGS Institute of Technology, Bellur Cross, B.G Nagar, Karnataka	
3	PhD Thesis Title	Modeling & Designing of Auto tuning PID Controller using Evolutionary Computational Techniques	
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	Department and Designation	Electrical & Electronics Engg, Professor	
5	Date of Registration for PhD	27-08-2009	
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6	Date of Award of PhD degree	June 2014	
7	Brief synopsis Proportional-Integrated-Derivative (PID) Controllers play a significant role in many industrial and commercial applications. Design of PID controller is always a challenging problem for high order systems. Self-Tuning method for PIS Controller using Evolutionary Computational (EC) Techniques can generate robust design. It is known that PID Controller is employed in every aspect of industrial automation. EC techniques are a stochastic global search method that emulates the process of natural evolution. EC have been shown to be capable of locating high performance areas in complex domains without experiencing the difficulties associated with high dimensionality or false optima which may occur with gradient decent techniques. Genetic Algorithm (GA) is a stochastic global adaptive search optimization technique based on the mechanism of natural selection.		