


Sl No	Particulars		
1	Name of the Candidate	Dr. G. N. Rajappa	
2	Address of the parent institution	Professor and Head Department of Mathematics Adichunchanagiri Institute of Technology Chikmagalur-577102, Karnataka	
3	PhD Thesis Title	Some Studies in Theory of Hypergeometric Series, Continued Fractions and Modular equations Motivated by the Works of Ramanujan	
4	Research guide Name	Dr. A. T. Eswara	
	Department and Designation	Professor and Head, Department of Mathematics	
5	Date of Registration for PhD	22-03-2010	
	University /Branch	Mysore University, Mysore	
6	Date of Award of PhD degree	26-05-2014	
7	<p><u>Brief synopsis</u></p> <p>In the thesis we have proved some modular equations, which will be further used in the explicit evaluations of Ramanujan's cubic continued fraction $G(q)$. We establish further evaluations of the class invariants g_n using Ramanujan's modular equations. Also we establish some modular equations using Maple and we obtain relationship between $U(q)$, $U(-q)$ and $U(q_n)$ for $n = 2, 3$ and 5 by using P-Q type modular equations.</p>		