

DEPARTMENT OF MATHEMATICS, M.C.C

Rev. William Ross (1871) was the first professor in the Department of Mathematics. Professor S. Rangaiya Chetty succeeded Rev. Ross (1876 – 1884). In 1884, Mr. William B. Morren joined as professor of Mathematics and Natural Philosophy. He was succeeded by Mr. Francis P.H.Stirling (1905 – 1906), Mr.K.Chinnathambi Pillai (1906 – 1907) and Mr.Edward Burns Ross (1907 – 1933) respectively. In 1924, Dr. Walter Fredric Kibble joined as professor of Mathematics. Dr. Kibble was very keen in the practical aspects of Astronomy. The Sundial at the main quadrangle of our campus is a standing witness to his contribution.

In 1960, Dr. George Abraham, a PhD student of Homi Bhabha joined the department and took over the headship of the Department from Dr. Kibble in 1961. After the retirement of Dr. Abraham in 1979, Dr. Rani Siromoney (1979 – 1988), Dr.P.Balasubrahmanyam (1988 – 1996), Dr. G.R.Venkatraman (1996 – 2001), Dr. K.G.Subramanian (2001 – 2007), Dr.J.Samuel Cornelius (2007 – 2008) and Dr. V.Rajkumar Dare (2008-2012) were the succeeding Heads of the Department. Dr. N.Gnanamalr David has taken up the headship since 2012.

Students who have gone through this Department are currently serving at national and international levels as well known Mathematicians and Computer Scientists. To mention a few, Professor V.S. Sunder (IMS, Chennai), Professor Jothilingam (CMI, Chennai) and Professor Kamala Kirthivasan, (IIT Chennai). Professor S.R.S. Varadhan, Abel prizewinner in Mathematics for the year 2007 was an outstanding intermediate student of the yesteryears. The alumni of Mathematics Department have always been supporting the activities of the Department and show keen interest in their Alma matter.

Members of the Department continue to engage in guiding doctoral students, publishing journal articles and visiting research institutions across the nation and abroad. The areas of specialization of the current faculty members include Complex Analysis, branches of Theoretical Computer Science, Combinatorics, Cryptography, Graph Theory, Natural Computing, Image Analysis, Astronomy and Tactile Geometry.

FACULTY OF MATHEMATICS, M.C.C



N. Gnanamalar David has been on the teaching faculty since August 1980. He received the PhD degree in Mathematics from University of Madras in 2002. He has authored or co-authored research papers in his fields of interest, which include Graph Grammars, Picture Languages, DNA Computing and Astronomy. During 1990 – 1993 he visited University of Bremen, Germany. He made academic visits to France, Netherlands and Greece. He is the Head of the Department since 2012.

V. Rajkumar Dare has been on the teaching faculty since 1978. He received the PhD degree in Mathematics from the University of Madras in 1986. He was the post doctoral fellow at Laboratory of Theoretical Computer Science and Programming (LITP), University of Paris VII during 1987-1988. His research interest includes the areas of Topological studies of Formal Languages, Studies of Infinite Words and Infinite Arrays, Combinatory on words and Membrane Computing.

D. Gnanaraj Thomas has been on the teaching faculty since 1984. He received the PhD Degree in Mathematics from University of Madras in 1996. He has

authored or co-authored more than 100 research papers in his areas of interest which include Formal Languages, Automata Theory, String Rewriting Systems, Infinite and Bi-infinite Words, Codes, Learning Theory, Cryptography, Picture Languages, DNA Computing and Membrane Computing. He made academic visits to Vietnam, Japan, France, Netherlands and Reunion Island. He had been a visiting professor of University of Nice, France during May – June 2000.

P. AbishaJeyanthi has been on the teaching faculty since 1987. She received the PhD Degree in Mathematics from University of Madras in 1997. She has authored or co-authored research papers in the field of Cryptography, Thue Systems, Picture Languages and Grammar systems.

T. Robinson has been on the teaching faculty since 1987. He received the PhD degree in Mathematics from University of Madras in 2001. He has authored or co-authored research papers in his fields of interest, which include Map systems, Picture languages, Tactile Geometry, Universal tool design and Bio-Inspired Computing. During 2002 – 2007, under the DST- JSPS programme he visited Institute of Disability Sciences, University of Tsukuba, Japan for research on Disability Science and obtained the PhD degree in 2007. He received a National Award in 2005 from the Ministry of Social Justice & Empowerment, Government of India for his contribution in the field of welfare of persons with disabilities. He received an innovation award from *Confederation of Indian Industries* (CII-Tamil Nadu) for his work in Tactile Mathematics during 2009. He did his post-doctoral research at the Department of Computer Science, Liverpool Hope University, UK during 2009 - 2010. He is also the visiting research fellow at Department of Computer Science, Liverpool Hope University, UK.

B. Adolf Stephen has been on the teaching faculty since 1989. He received the PhD degree in Mathematics from University of Madras in 2002. He has published research papers in national and international journals in his field of interest, which include Analytic and Harmonic Univalent functions. He has also presented research papers in many national and international conferences. He has made academic visits to Israel, Finland, Germany, Thailand, Malaysia and Turkey. He was a visiting Professor of Mathematics at Universiti Sains Malaysia in Penang, Malaysia during 2008 - 2009. He has served as member of Textbook writing Board of School Education, Tamilnadu Government, and has been involved in the preparation of course material for Distance Education, University of Madras.

Thomas Rosy has been on the teaching faculty since 1990. She received the PhD degree from University of Madras in 2002. She has authored and co-authored research papers in the area of Univalent and Harmonic Functions, which are published in national and international journals of repute. She has also presented papers in national and international conferences. She had served as a secretary of an international forum, Forum de' Analystes from 2002 to 2007. She is the co-author of the Higher Secondary Mathematics textbook of the Government of Tamilnadu and is a reviewer of the journal International Review of Pure and Applied Mathematics.

A. JyothiSalomiTsapa joined the Department in 1999. She completed her Masters degree in Sri Padmavathi Mahila Vishvavidyalayalam, Tirupati, Andra Pradesh and obtained her MPhil. in Mathematics from Nagarjuna University, Guntur, Andra Pradesh. Her academic specialization is Near-Rings in Algebra.

Huldah Samuel has been on the teaching faculty since 2008 with five years of prior experience teaching at the self-financed stream of the College. She obtained the Masters and MPhil degrees in Mathematics from the University of Madras. She is currently doing her PhD research in the area of Computational Mathematics and has authored research papers in this area.

D. Jayaseelan Samuel has been on the teaching faculty since 2004. He obtained the Masters and MPhil degree from University of Madras. He is currently pursuing his PhD research in the area of Cryptography. He has authored and co-authored research papers in Cryptography.

C. Annal Deva Priyadarshini has been on the teaching faculty since 2006 with a prior stint in 1999 – 2001. She obtained the Masters degree from University of Madras in 1997 and MPhil degree from Madurai Kamaraj University in 2009. She qualified herself in Joint CSIR UGC NET. She is currently pursuing her PhD research in Computational Mathematics. Another area of her interest is Astronomy.

S. Sunil Varma has been on the teaching faculty since 2011 with nine years experience of teaching in an Engineering College. He obtained his Masters degree from I.I.T, Chennai. He is currently pursuing his PhD research in the area of Univalent and Harmonic Functions.