

Dr. RADHAKRISHNAN V K

Assistant Professor of Mathematics, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya
Enathur, Kanchipuram, Tamilnadu, INDIA
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Education

Doctor of Philosophy (Ph.D.) in Mathematics

September 2018

- Thesis Title: **Development of Optimal Network Model for Tourism and Queuing Management in Temples with Case Studies on Kanchipuram**
- Research Supervisor: **Prof. T. Venugopal**, Professor of Mathematics
Controller of Examination, SCSVMV, Kanchipuram.
- Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV), Enathur, Kanchipuram.

Master of Business Administration (M.B.A) – Human Resource Management

June 2012

- University of Madras – Distance Education
- Percentage: 58.2%

Master of Philosophy (M.Phil) in Mathematics

June 2011

- Dissertation Title: **Application of Wavelets in Genetic Sequence Analysis**
- Research Supervisor: **Prof. T. Venugopal**, Professor of Mathematics
Controller of Examination, SCSVMV, Kanchipuram.
- Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV), Enathur, Kanchipuram.

Master of Science (M.Sc.,) in Mathematics

May 2009

- Dissertation Title: **Fixed Point Theorems in Compact Space and Pseudo-Compact Tichonov Spaces**
- Research Supervisor: **Prof. S. Anbarasu**, Assistant Professor of Mathematics
Anna University, MIT Campus, Chrompet, Chennai.
- Anna University, Madras Institute of Technology Campus, Chrompet, Chennai
- CGPA: 8.4 / 10

Bachelor of Science (B.Sc.,) in Mathematics

May 2007

- University of Madras, Pachiyappa's College for Men, Kanchipuram
- Percentage: 74.3%

Academic Employment

Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

September 2010 – Till Date

- Working as an **Assistant Professor** in the Department of Mathematics, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, SCSVMV (Deemed to be University), Enathur, Kanchipuram.

Sri Sankara Arts & Science College

August 2009 – August 2010

- Worked as a **Lecturer** in the Department of Mathematics, Sri Sankara Arts & Science College, Enathur, Kanchipuram.

Guest Lecture / Invited Talks / Colloquium Speech / Resource Person

- Delivered a speech on **Application of Laplace Transforms in Signals & Systems** in the Department Colloquium on 13.09.2013.
- Delivered a lecture on the **Application of Z-Transforms in Signal & Systems** in the Department Colloquium on 21.11.2014.
- Delivered a speech on **Mathematics of Photography** in the Department Colloquium on 23.10.2015.
- Acted as a **Resource Person** and delivered a lecture on **2D, 3D Plots and Statistical Diagrams** using **MATLAB** in a **One-Day Workshop on Math with MATLAB for Researchers**, organised by the Department of Mathematics, SCSVMV, Kanchipuram on 07.02.2016.
- Delivered a speech on **Mathematics in Biology** in the Department Colloquium on 18.03.2016.
- Delivered a speech on Introduction to **Erdos Number, Bacon Number and Erdos-Bacon Number** in the Department Colloquium on 29.04.2016.
- Delivered a lecture on **Network Optimisation** in a **One-Day Quality Enrichment Programme**, organised by the Department of Mathematics, SCSVMV on 20.09.2016.
- Delivered a lecture on **Introduction to Network Modelling and its Optimisation Techniques**, in a **One-Day Seminar** organised by the Department of Mathematics, **Kanchi Shri Krishna Arts and Science College**, Kanchipuram on 07.10.2016.
- Delivered a speech on **Weighted-Node Optimisation Problems** in the Department Colloquium on 23.12.2017.
- Delivered a lecture on **Mathematical Modelling – Calculus and its Applications** in a Live Webinar organised by the Department of Mathematics, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry on 29.06.2021.
- Delivered a lecture on **Sulba Sutras – An Introduction** in the Two-Week Introductory Course in Vedic Mathematics organised by the Department of Mathematics, SCSVMV, Kanchipuram on 25.06.2022.
- Delivered a lecture on **Open Research Problems in Operations Research** in the One-Day Workshop organised by the Department of Mathematics, School of Arts and Science, Aarupadai Veedu Institute of Technology, Vinayaka Mission's Research Foundation Deemed University, Paiyanoor, Mamallapuram on 31.05.2022.
- Delivered a lecture on **Statistical Analysis using Microsoft Excel** in a one-day Workshop arranged for Non-Teaching and Technical Staff members of SCSVMV, organised by IQAC of SCSVMV, Kanchipuram on 4.06.2022.

Awards and Honours

- **Best Paper Award** received at the **International Conference on Data Analytics & Mathematical Modeling** organised by the Department of Mathematics and Computer Science Engineering & IT, Aarupadai Veedu Institute of Technology, Chennai during May 5 and 6, 2016.
- **Best Paper Award – First Prize (Cash Award of Rs. 5000/-)** received at the **National Conference on NXTGEN Developments on Computer Science and Mathematics** organised by Department of Mathematics and Computer Science, Shree Chandrababhu Jain College, Minjur, Chennai in collaboration with **ICTACT Journal**, during September 29 and 30, 2016.
- **Best Poster Award** received at the **International Conference on Functional Materials** organised by Department of Physics, SCSVMV, Kanchipuram during March 2 and 3, 2017.

Membership in Professional Bodies / Editorial Board / Advisory Board

- **Life Member** – The Association of Mathematics Teachers of India – **Membership ID: L17017.**
- **Life Member** – International Society for Research and Development – **Membership ID: M4150902655.**
- **Editorial Board Member** – Glacier Journal of Scientific Research, Ahmedabad, Gujarat. (**ISSN: 2349-8498**)
- **Editorial Board Member** – International Journal of Engineering Science Invention Research & Development, Kanpur, U.P (**ISSN: 2349-6185**)
- **Editorial Board Member** – Journal of Statistics and Mathematical Engineering, MAT Journals, Ghaziabad, U.P (**ISSN No. 2581-7647**)

M.Phil. / M.Sc., Projects Guided

- **M.Phil. Students** – 16 (completed)
- **M.Sc., Students** – 4 (completed) ° as of **2020–21** Academic Year

Workshop / Seminars / Training Programmes Organised

- Organised an **International Seminar on Power Sums and Univariate Distributions** conducted by the Department of Mathematics, SCSVMV on 02.09.2016 as **Organising Secretary**. Guest Lectures were delivered by **Prof. Istvan Mezo** from Nanjing University, China and **Prof. Arpad Baricz** from the Institute of Applied Sciences, Hungary.
- Organised **Winter Refresher Course in Mathematics** for UG and PG students conducted by Department of Mathematics, SCSVMV during February 1 and 3, 2018 as **Organising Secretary**.
- Conducting **Training Programmes** on **MEGASTAT, Microsoft Mathematic, Open Solver using Microsoft Excel** to M.Sc., (Mathematics) / B.Sc., (Mathematics) / B.E / B.Tech. Students for performing mathematical and statistical operations with the given data set as a part of the curriculum frequently.

Publications (National / International Journals)

- **Optimisation of Kanchipuram Divyadesam Network – A Novel Algorithmic Approach**, in the International Journal of Recent Scientific Research (ISSN: 0976-3031), Vol. 7(1), Issue 1, pp.8558-8560, January 2016.
- **Role of Zero Divisors on Cyclic Codes**, in the Journal of Chemical and Pharmaceutical Sciences, Vol. 9, Issue 4, October – December 2016, pp. 2210-2212. (SCOPUS)
- **Algorithmic Study of Optimising the Network Model of Kanchi Mahaperiyava Holy Shrines**, in the International Journal of Current Research and Review, Vol. 9, Issue 10, May 2017, pp. 63-64.
- **Exhibiting Railway Junctions as Steiner Points**, in Mathematical Sciences International Research Journal (ISSN: 2278-8697), Vol. 7, Issue 1 (2018), pp.44-47.
- **Object-Oriented Approach to Travelling Salesman Problem**, in Mathematical Sciences International Research Journal, Vol. 7, Issue 1 (2018), pp.237-240.
- **Nurse Scheduling Problem using Linear Programming Problem for Day-wise Schedule**, in Journal of Statistics and Mathematical Engineering, Vol. 4, Issue 1 (2018), pp.1-7.
- **Mathematical Modelling of Tossing a Shuttle Cock**, in International Journal of Research and Analytical Reviews, Vol. 6, Issue 2 (2019), pp. 1-3.

- **Distribution of Bunch of Bananas with the Stem through Monte-Carlo Simulation Technique**, TEST Engineering and Management, Vol. 82, Jan-Feb 2020, pp. 9176-9185. (SCOPUS)
- **Monte-Carlo Simulation Study on the Queueing Model of Kanchi Kamakshi Temple**, Mukta-Shabd Journal, (ISSN: 2347-3150), Vol. X, Issue VII, July 2021, pp. 27-34.
- **Openwares in Teaching Mathematics at Tertiary Level**, International Journal of Physical Education, Yoga and Health Sciences (ISSN: 2349-6312), Vol. 10, Iss. 1, Feb 2022, pp. 313-316.

Conference Proceedings (National / International – Conferences)

- **Role of Zero Divisors on Cyclic Codes**, Proceedings of International Conference on Data Analytics and Mathematical Modelling (ICDAM 2016). (ISBN: 978-93-81208-72-4)
- **Exhibiting Railway Junctions as Steiner Points**, Proceedings of International Conference on Pure and Applied Mathematics (ICPAM 2018). (ISBN: 978-93-87088-01-6)
- **Nurse Scheduling using Linear Programming Problem for Day-wise Schedule**, Proceedings of International Conference on Pure and Applied Mathematics (ICPAM 2018). (ISBN: 978-93-87088-01-6)
- **Nurse Shift Schedule using Linear Programming Model**, Proceedings of International Conference on Pure and Applied Mathematics (ICPAM 2018). (ISBN: 978-93-87088-01-6)
- **Object-Oriented Approach to Travelling Salesman Problem**, Proceedings of International Conference on Pure and Applied Mathematics (ICPAM 2018). (ISBN: 978-93-87088-01-6)
- **Optimisation of Weighted-Node Network Problems**, Proceedings of the National Conference on Recent Developments in Mechanical Engineering and Modern Techniques. (ISBN: 978-93-81208-60-1)

Presentations (National / International – Conferences)

- Presented a paper on **Role of Zero Divisors on Cyclic Codes** in the International Conference on Data Analytics & Mathematical Modeling organised by Department of Mathematics and Computer Science Engineering & IT, Aarupadai Veedu Institute of Technology, Chennai during May 5 and 6, 2016.
- Presented a paper on **Algorithmic Study of Optimising the Network Model of Kanchipuram Siva Temples** in the National Conference on NXTGEN Developments on Computer Science and Mathematics organised by Department of Mathematics and Computer Science, Shree Chandraprabhu Jain College, Minjur, Chennai in collaboration with ICTACT Journal, during September 29 and 30, 2016.
- Presented a paper on **Algorithmic Study of Optimising the Network Model of Kanchi Mahaperiyava Holy Shrines** in the International Conference on Functional Materials organised by the Department of Physics, SCSVMV, Kanchipuram during March 2 and 3, 2017.
- Presented a paper on **Exhibiting Railway Junctions as Steiner Points** in the International Conference on Pure and Applied Mathematics organised by Department of Mathematics, SCSVMV University, Kanchipuram during February 19 and 20, 2018.
- Presented a paper **Nurse Scheduling using Linear Programming Problem for Day-wise Schedule** (jointly with Mr. B. Shanmugam, M.Phil Research Scholar) in the International Conference on Pure and Applied Mathematics organised by Department of Mathematics, SCSVMV University, Kanchipuram during February 19 and 20, 2018.
- Presented a paper **Nurse Shift Schedule using Linear Programming Model** (jointly with Mr. M. Sivakumar, M.Phil Research Scholar) in the International Conference on Pure and Applied Mathematics organised by Department of Mathematics, SCSVMV University, Kanchipuram during February 19 and 20, 2018.

- Presented a paper **Object Oriented Approach to Travelling Salesman Problem** (jointly with Mr. J. Senthilkumar, M.Phil Research Scholar) in the International Conference on Pure and Applied Mathematics organised by the Department of Mathematics, SCSVMV University, Kanchipuram during February 19 and 20, 2018.
- Presented a paper **Optimisation of Weighted-Node Network Problems** in the National Conference on Recent Developments in Mechanical Engineering and Modern Techniques organised by Department of Mechanical Engineering, P.T.Lee Chengalvaraya Naicker Polytechnic College, Chennai on 2nd March, 2018.
- Presented a paper **Incorporation of Graph Theory for MIMO in Communication Systems** in the International Conference on Computing Sciences (ICCS 2018) organised by LIMCOS, Loyola College, Chennai during November 16 and 17, 2018.
- Presented a paper **Weighted-Node Networks** in the International Conference on Mathematical Computer Engineering (ICMCE 2018) organised by the Department of Mathematics, VIT Deemed University, Chennai during November 23 and 24, 2018.
- Presented a paper **Distribution of a bunch of bananas with the stem to the customers from a Wholesale Market through Simulation Technique** (jointly with Ms S. Fazilath Banu, M.Phil Research Scholar) in the International Conference on Pure and Applied Mathematics organised by the Department of Mathematics, SCSVMV University, Kanchipuram during December 17 and 19, 2018.
- Presented a paper **Distribution of Bunch of Bananas with the Stem through Monte-Carlo Simulation Technique** in the National Conference on Advances in Science, Humanities and Technology organised by School of Engineering, SAVEETHA University, Chennai during July 11 and 12, 2019.
- Presented a paper titled, **Monte-Carlo Simulation Study on the Queueing Model of Kanchi Kamakshi Amman Temple**, in the National Conference on Future Perspective for Basic Science organised by Dept. of Mathematics, AVIT Chennai, during April 8 and 9, 2021.
- Presented a paper titled **Openwares in Teaching Mathematics at Tertiary Level** in the Two days National Conference on Multidisciplinary Approach in Teaching with Collaborating Technology (NCMATCT – 22) organised by Government Arts and Science College, Aatupakkam, Arakkonam, during 29 and 30 April 2022.

Referrals

Prof. Dr T. Venugopal

Professor of Mathematics
 Registrar (Evaluation) & Dean(Research & Innovation)
 Sri Sathya Sai University for Human Excellence
 Kalaburgi– 585102, Karnataka.
drmathvtg@gmail.com

Prof. Dr K. Srinivasa Rao

Professor and Head,
 Department of Mathematics
 Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya
 Enathur, Kanchipuram – 631561, Tamilnadu.
raokonda@yahoo.com

Prof. Dr Indra Rajasingh

Professor of Mathematics (Retd.)
 Former Dean, School of Advanced Sciences
 VIT Chennai Campus
 Chennai - 600127, Tamilnadu.
indrarajasingh@yahoo.com

Prof. Dr V. Vijayalakshmi

Assistant Professor of Mathematics (SS)
 College of Engineering Guindy Campus
 Anna University
 Chennai – 600025, Tamilnadu.
vijalakshmi@annauniv.edu.in

Personal Profile

Gender : Male
Nationality : Indian
Father Name : **Mr. V. KUMAR**
Date of Birth : 14 – September – 1987
Marital Status : Married
Languages Known : English, Tamil, and Telugu
Address for Communication : Plot No. 27, 28 Kamatchi Amman Avenue
Extension 1, Vishnu Kanchi
Across Temple City
Kanchipuram – 631 501. Tamilnadu, INDIA.

Avowal

It is, therefore, asserted that this document is an edifice of my academic and professional accomplishments, a supplemental to my application, and it is disclosed that the information specified here is true to my finest comprehension.

Place:

Yours Truly,

Date:

(V.K. RADHAKRISHNAN)