Basic Details:

- **Name:** S. Nirmal Veena
- **Designation**: Assistant Professor
- **Phone Number:** 8754907576
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- **Area or Subject:** Difference Equations
- **Affiliation:** Department of Mathematics, SRM Institute of Science and Technology, Ramapuram.

Educational Details:

- **TNSET 2017**– Mother Teresa University, Coimbatore, Tamil Nadu.
- **M.Phil** – 2016, Auxilium College (Thiruvalluvar University), Vellore, Tamil Nadu.
- **M.Sc. Mathematics** – 2015, Auxilium College (Thiruvalluvar University), Vellore, Tamil Nadu.
- **B.Sc. Mathematics** -2013, Auxilium College (Thiruvalluvar University), Vellore, Tamil Nadu.

Research Interests: Difference Equations

Publications:

1) Elizabeth S and Nirmal Veena S, **"Model to Depict the effect of Physical Exercise at VaryingTemperature Using Finite Difference Method."** Mathematical Sciences International Research Journal: Volume 5 Spl Issue ,ISSN 2357-8697 (2016).
2) Elizabeth S and Nirmal Veena S**, "Finite Difference Model To Depict the effect of Physical Exercise in Human Limbs at Varying Temperature."**Proceedings of 61 st congress of ISTAM**.**
3) Elizabeth S and Nirmal Veena S**, "An Analysis of Exponential Stability for Difference Equations." Study on Stability behavior of the impulsive DifferenceEquations."** Mathematical Sciences International Research Journal: Volume 5, Issue 2, ISSN 2278-8697.

4) Elizabeth S and Nirmal Veena S, **"Study on Stability behavior of the impulsive Difference Equations."** Far East Journal of Mathematical Science (FJMS)
5) Elizabeth S and Nirmal Veena S, **"Exponential Stability analysis of Difference Equation for Impulsive System."** International Journal Indexed by EMERGING SOURCES CITATION INDEX (Web of Science – Thomson Reuters).
6) Elizabeth S and Nirmal Veena S, **"Study on Asymptotic Stabilization of Non Linear Delay Difference Equations."** International Journal of Difference Equations (IJDE).
7) Elizabeth S and Nirmal Veena S, **"Exponential Decay of Difference Equations using Lyapunov Function for Noise Identification."**, International Journal of Pure and Applied Mathematics.
8) Elizabeth S and Nirmal Veena S, **"Stabilization Of Discrete Stochastic Dynamic System With Delay**", International Journal of Current Research and Modern Education. ISSN: 2455-5428.

Papers Presented in international/national conferences:

1) Presented a Paper entitled "**Model to Depict the effect of Physical Exercise at Varying Temperature Using Finite Difference Method** " at National Conference on Ramanujan's Contributions and Recent Trends in Mathematics., organized by Madurai kamaraj University, Madurai.
2) Presented a Paper entitled "**Model To Depict The Effect Of Heat Flux In Human Eye Using Finite Difference Method**" at NXTGEN Developments in computer science and Mathematics," organized by Sree Chandraprabhu Jain College, Minjur, Chennai. .
3) Presented a Paper entitled "**Discrete Model To Study the Thermal Variations in Human Eye.** " at Role and Application of Statistics in Multidisciplinary Research , organized by Thanthai Hans Roever college, Perambalur.
4) Presented a Paper entitled **"Finite Difference Model To Depict the effect of Physical Exercise in Human Limbs at Varying Temperature."** at 61 st Congress of the Indian Society of Theoretical and Applied Mechanics (An International Conference –ISTAM 2016) , organized by VIT University, Vellore.
5) Presented a Paper entitled "**An Analysis of Exponential Stability for Difference Equations**. " at International conference on Mathematics and Computer Science 2016., organized by Nirmala College for Women, Coimbatore..
6) Presented a Paper entitled "**Study on Stability behavior of the impulsive Difference Equations**. " at National conference on Emerging trends in Mathematical Sciences- (NCETMS 2016), organized by S.A. Engineering College, Chennai.
7) Presented a Paper entitled "**Exponential Stability analysis of Difference Equation for Impulsive System.** " at National Level Conference on Current Scenario in Pure and Applied Mathematics , organized by Kongunadu Arts and Science College, Coimbatore.
8) Presented a Paper entitled "**Study on Asymptotic Stabilization of Non Linear Delay Difference Equations**" at International Conference on Mathematical Applications in Engineering and Technology. , organized by Sacred Heart College, Tirupattur.
9) Presented a Paper entitled "**Exponential Decay of Difference Equations using Lyapunov Function for Noise Identification** " at National Conference on Mathematical Techniques and their applications (NCMTA -2017) , organized by SRM University, Chennai.
10) Presented a Paper entitled **"Stabilization Of Stochastic Difference Equations Involving Delay "** at International conference on mathematical modeling and computational method in science and engineering (ICMMCMSE-2017), organized by Alagappa University, Karikudi.

11) Presented a Paper entitled "**Stabilization Of Discrete Stochastic Dynamic System With Delay**" at National Conference on Emerging Trends in Mathematics(NCETM-2017), organized by A.V.V.M. Sri Pushpam College, Poondi.
12) Presented a Paper entitled "**S- Fuzzy ideals in generalized almost distributive fuzzy lattices**" at Embracing the Future with Advances in Science and Technology- ICEFAST 2024 , organized by Ethiraj College for women, Chennai.
13) Presented a Paper entitled "**Discrete Model to depict the effect of Heat Fluctuation in Human Eye using Explicit Finite Difference Method** " at Embracing the Future with Advances in Science and Technology- ICEFAST 2024 , organized by by Ethiraj College for women, Chennai.

Academic Experience:

- Worked in Auxilium college, Vellore as Asst. Professor Nov 2017 – April 2019
- Worked in Mar Gregorios college of Arts and Science, Mogappair from August 2021 to September 2022.
- Worked in Anna Adarsh College for women, Chennai from September 2022 to April 2024

Achievements and Awards:

- Qualified TAMILNADU STATE ELIGIBILITY TEST (TNSET 2017).
- Awarded as "Best Outgoing Student of B. Sc Mathematics"
- Awarded for Outstanding performance in the activities of the association of Mathematics in M.Sc. Mathematics.
- Awarded prize for Best paper presentation in National Conference -2016 on "NXTGEN Developments in computer Science and Mathematics" at Shree Chandraprabhu Jain college

List of Coursera Courses Completed

- Introduction to programming with MATLAB.
- Introduction to Food and Health.

Membership:

- Life time Member of Academia for Advanced Research in Mathematics (AARM)
- Core Committee member in Xavier Board of Higher Education in India.