

Personal Details:

Name:	Mrs. N. Udhayarani
Qualification:	M.Sc., M.Phil., PGDCA
Designation:	Assistant Professor
Experience:	12 Years
DOB:	11/06/1981
Community:	BC
Blood Group:	A positive
Date of Joining:	19/06/2023
Qualification Approval No.:	16905/A3/2007
M.Phil Guide Recognition No.:	3775-4/A2/2012
Address:	909, Sakthi Nagar, Chettiar Mill(opp.), Narasingapuram, Krishnapuram, Udumalpet -642111.
E-Mail:	udhayanin@gmail.com
Languages are known	Tamil, English
Typing Skill:	Passed Junior Level

Educational Qualification: M.Sc., M.Phil., PGDCA.

B.Sc.,	Mathematics	Shrimathi Indira Gandhi College for Women, Trichy	2001
M.Sc.,	Mathematics	Nallamthu Gounder Mahalingam College, Pollachi	2003
M.Phil.,	Mathematics	Nallamuthu Gounder Mahalingam College, Pollachi	2005
P.G.D.C.A	Computer	Annamalai	2010

	Applications	University, DE	
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Teaching Experience:

- 2001-2003: Abacus Learning Centre, Pollachi- Part-time Teacher
- 2005: VLB Janakiammal Polytechnic College, Coimbatore- One Month Leave Vacancy for Mathematics Lecturer
- 2007-2008: Nehru College of Arts and Science, Coimbatore- Lecturer in Mathematics
- 2008-2009: Hindusthan College of Arts and Science, Coimbatore- Assistant Professor in Mathematics
- 2010-2013: Hindusthan College of Arts and Science, Coimbatore- Assistant Professor in Mathematics
- 2013-2020: Nallamuthu Gounder Mahalingam College, Pollachi- Assistant Professor in Mathematics

Academic Details:

Area of Interest: Discrete Mathematics, Operations
Research,

Numerical Methods, Algebra, Real
Analysis, Topology

Member: Ramanujan Mathematical Society
2013-2020

Completed Online Certificate Course Details:

- Introduction to Abstract and Linear Algebra: AICTE Approved FDP- NPTEL
- Descriptive Statistics using R- NPTEL

RESEARCH ACTIVITIES:

Participation details of Seminars/Workshop/Conference:

- National online webinar on “Engineering and Statistics: New Avenues in the Data World” organised by Department of
- National seminar on “Mathematical modeling for Glucose-Insulin regulatory system of diabetes mellitus” conducted by the Department of Science and Humanities, P.A College of Engineering and Technology Pollachi on 13th and 14th June 2018
- Science Academies Lecture Workshop on “Applicable Mathematics” organized by IAS, INSA, and NASI at Nallamuthu Gounder Mahalingam College, Pollachi on 4th and 5th September 2017.
- National seminar on “Empowering the Youth to Enrich Mankind” held on 29th January 2016, organized by Human Excellence Department, NGM College, Pollachi.
- NPTEL Workshop (IIT Madras) conducted on 17.04.2015 at Sree Saraswathi Thyagaraja College, Pollachi.
- The National “Modern Techniques and Applications in Mathematics” seminar was held on 6th February 2015 at Sree Saraswathi Thyagaraja College, Pollachi.
- International Conference on “Innovative Challenges in Multidisciplinary Research and Practice of Mathematics” held on 8th January 2014 at Hindusthan College of Arts and Science, Coimbatore.
- National level workshop on “Soft Computing Techniques for Engineering Mathematics” held on 29th and 30th August at P.A. College of Engineering and Technology.

Participation Details of FDP:

- Faculty Development Programme on “Japing of Research Funds and Classroom Psychology” held on 22/09/2012 at Hindusthan College of Arts and Science, Coimbatore.
- Faculty Development Programme for “Global Business Foundation Skills” conducted by Infosys BPO Ltd. At Mysore from 23rd November to 1st December, 2015

Participation Details of Online FDP:

- Virtual Teaching-29 / 04 / 2020 to 30 /04/ 2020(Online FDP) conducted by Teaching Learning Centre (Under PMMMNMTT, Department of Higher Education, MHRD, GoI) Coimbatore Institute of Technology
- FDP on CSIR-NET Mathematical Sciences - 16/05/2020 to 20/05/2020 conducted by Department of Mathematics (SF), Nallamuthu Gounder Mahalingam College.
- Research Methods and writing skills in Mathematical Sciences - 25/05/2020 to 27/05/2020, conducted by the Department of Mathematics, Bon Secours College for Women, Thanjavur.
- Two Day Hands-on Training on Technology Assisted Teaching Tools - 29/05/2020 to 30/05/2020, conducted by Teaching Learning Centre (Under PMMMNMTT, Department of Higher Education, MHRD, GoI) Coimbatore Institute of Technology.
- Webinar FDP on Appraisal of Learning Outcomes in OBE - 22/06/2020, conducted by The Office of the Controller of Examinations, Nallamuthu Gounder Mahalingam College, Pollachi.
- National Webinar FDP on “Emotions Management” – 29/06/2020 to 30/06/2020, conducted by the Department of History, Nallamuthu Gounder Mahalingam College.
- An International FDP on “Role of Mathematics in Future IT and Industrial Trends”- 29/06/2020 to 02/07/2020, conducted by PG and Research Department of Mathematics, Nallamuthu Gounder Mahalingam College, Pollachi.

Papers Presented in Conference/Seminar:

- Presented a paper in “DST- SERB Sponsored: International Conference On Blooming Fuzzifier Logic(ICBFL - 2023)” titled, Interval-Valued Intuitionistic Fuzzy Convex Optimization

Techniques” Conducted by Chikkanna Government Arts College, Tiruppur on 23rd and 24th August 2023.

- Presented a Paper in “One day International Conference- Emerging Trends in Science and Technology” conducted by Nallamuthu Gounder Mahalingam College, Pollachi, titled, “Basic Concepts of Interval-Valued Intuitionistic Fuzzy Topological Vector Spaces” on 27th October 2021 through online: Microsoft Teams: <https://shorturl.at/rvwFZ>.
- Presented two papers at a national conference on “Recent Advances in Mathematics and Its Application in Science and Engineering” titled
 1. A study on Error Analysis in TFN and their Arithmetic Operators
 2. Similarity Measures between Interval Neutrosophic setson 3rd February 2017 at Dr. N.G.P. Institute of Technology, Coimbatore.

- Presented a paper entitled “Study on distance between intuitionistic fuzzy sets” in the National seminar on “Recent Trends in Fuzzy Mathematics” held on 12th February 2016 at Sri Krishna Arts and Science College, Coimbatore.
- Presented a paper entitled “On Strongly N-closed sets in Neutrosophic Topological spaces” in the National seminar on “Modern Techniques and Applications in Mathematics” held on 11th February 2016 at Sree Saraswathi Thyagaraja College, Pollachi.

Paper Published in Journals:

- $\text{Convex}_{\text{IVIF}}$ sets in interval-valued intuitionistic fuzzy topological vector spaces: Journal of Algebraic Statistics, Vol. 13, No.3, 2022, pp.:2569-2577.
- Interval-valued intuitionistic fuzzy linear transformations: Malaya Journal of Mathematik, 10(03) (2022),216-223.

- Published a paper in “Notes on Intuitionistic Fuzzy Sets” on the topic “Properties of Interval-Valued Intuitionistic Fuzzy Vector Space”, Volume 25, No. 1, 12-20(2019).
- In “Neutrosophic sets and Systems - An International Journal in Information Science and Engineering” published a paper on the topic “ $N\omega$ closed sets in neutrosophic topological Spaces” Quarterly, Vol. 12,2016. ISSN: 2331-6055(print), ISSN: 2331-608X(online).

Organized Workshop Details:

- Organized a one-day national-level workshop on ‘Quantitative Techniques’ on 14th March 2017. **Chief Guest:** Dr. Vekataraman, Assistant Professor, NIT, Karnataka & Dr. Sivasubramniyam, Assistant Professor, Govt. Arts College, Udumalpet.

