

Mrs. N. UDHAYARANI: ASSISTANT PROFESSOR and HEAD

Personal Details:

DOB: 11/06/1981
Address: 909, Sakthi Nagar, Chettiar Mill(opp.),
Narasingapuram, Krishnapuram,
Udumalpet -642111.
E-Mail: udhayanin@gmail.com
Educational Qualification: M.Sc., M.Phil., PGDCA.
Teaching Experience: 12 years (UG)
Mobile: 09894772507

Academic Details:

Area of Interest: Discrete Mathematics, Operations Research,
Numerical Methods, Algebra, Real Analysis, Topology
Member: Ramanujan Mathematical Society

Completed Online Certificate Course Details:

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

Ongoing Online Certificate Course Details:

- Mathematics for Computer Science (May 2-June 7): COUSERA
- Introduction to Linear models and Matrix Algebra (May 22 – June 12): EdX
- Applications of GeoGebra: AICTE Approved FDP (July - October)
- Introduction to Fuzzy Set Theory, Arithmetic and Logic: AICTE Approved FDP (July – October)
- A basic course in number theory: AICTE Approved FDP (July -October)

RESEARCH ACTIVITIES:

Participation details of Seminars/Workshop/Conference:

- National seminar on “Mathematical modelling 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, 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.
- National seminar on “Modern Techniques and Applications in Mathematics” 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 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 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 two papers in 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 sets
 on 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:

- 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).
- Published a paper in “Neutrosophic sets and Systems - An International journal in Information Science and Engineering” on the topic “N ω closed sets in neutrosophic topological Spaces” Quarterly, Vol. 12,2016. ISSN: 2331-6055(print), ISSN: 2331-608X(online).

Organized Workshop Details:

- Organized 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.