

Profile

Name : Dr. T. Nithya, M.Sc., M.Phil., Ph.D.,
Department : Mathematics
Designation : Assistant Professor
Address : 3/341, Jawahar street, Indian Bank colony, Madurai-14.
Phone : Nil
Email : nithya.t@vhnsnc.edu.in
Mobile : 9245525705
Teaching Experience : 10 years.

1. Working as an Assistant Professor in the Department of Mathematics, V. H. N. Senthikumara Nadar College (Autonomous), Virudhunagar from 2017 to till date.
2. Rendered my service as a Teaching Assistant in Madurai Kamaraj University college, Madurai from 2012-2017
3. Rendered my service as a Guest lecturer in Madurai Kamaraj University college, Madurai from 2010-2012

Educational Qualification : M.Sc., M.Phil., Ph.D.,

Qualifying Examinations : CSIR-NET June 2012.

Area of Specialization : Differential Equations.

Courses Attended :

1. Participated in the 108th Orientation Programme organized by HRDC, Bharathidasan university, Tiruchirapalli from 12, November 2019 to 2, December, 2019 .
2. Participated in the Refresher course on Mathematics & Statistics (Pure & Applied) organized by HRDC, Gauhati University, Guwahati, Assam held during 24 Jan 2022 to 7 Feb 2022.
3. Participated in 2 days In-Service Teacher Training Programme held at Sri Meenakshi Govt. Arts College for women(A), Madurai, organized by Tamilnadu State Council for Higher Education on 05.05.2020 and 06.05.2020.

Seminars / Workshops / Conferences attended :

1. Participated in the National conference on “ Modern Mathematics & it’s Applications” held at The American College on 22 and 23 Jan 2018.

2. Participated in the National seminar on “ Quality Enhancement and Sustenance in Higher Education: Challenges and Opportunities” organized by IQAC, SBK College on 20th July 2019.
3. Participated in TNSCST sponsored International conference on “ Applications of Mathematics in Science and Technology” held at AAA college of Engineering and Technology on 25 and 26 July 2019.
4. Participated in One day Workshop on “ Delay Differential Equations” held at VVV college (A), Virudhunagar on 20th September 2019
5. Participated in Online Teachers Enrichment Workshop on “Algebra and Discrete Mathematics” from November 19, 2020 to January 3, 2021 at Mepco Schlenk Engineering College, Sivakasi.

Paper Presentation :

1. Participated and presented a paper entitled “A mathematical study on magneto-hydrodynamic permeable channel flow” in the International conference on “Discrete Mathematics & Data Sciences” held at SASTRA deemed to be university on 28 and 29 Sep 2019.
2. Participated and presented a paper entitled “A mathematical analysis of heat and mass transfer on MHD boundary layer flow” in the International conference on “ Recent advances in Pure and Applied Mathematics” held at Raja Doraisingam Government Arts College on 27 and 28 Aug 2019.
3. Presented a paper titled Mathematical analysis of the Navier-Stokes equations for steady Magnetohydrodynamic flow , in the 3rd International Conference on New Scientific Creations in Engineering and Technology, organized by Nadar Saraswathi College of Engineering and Technology, on 19th March 2021.

Research Publicatons :

1. A mathematical study on MHD plane Poiseuille flow in a porous channel with non-uniform plate temperature, Journal of Applied Science and Computations, Volume VI, Issue III, March 2019, pp.No: 1178-1194.

2. Approximate analytical expressions of a boundary layer flow of viscous fluid using the Modified Homotopy analysis method, Journal of Information and Computational Science, Volume 9, Issue 8, 2019, pp.No: 534-541.
3. A mathematical analysis of heat and mass transfer on MHD boundary layer flow, Advances in Mathematics: Scientific Journal 8 (2019), No.3, (Special Issue on ICRAPAM), pp.No: 131-153.
4. Mathematical analysis of the Navier-Stokes equations for steady Magnetohydrodynamic flow, Journal of Information and Computational Science, Volume 10, Issue 3, 2020, pp.No: 989-1003.
5. A mathematical analysis of radiation and thermal diffusion effect on a steady MHD free convection heat and mass transfer flow past an inclined stretching sheet, Proteus Journal, Volume 11, Issue 9, 2020, pp.No: 407-443.
6. A mathematical study on magnetohydrodynamic permeable channel flow, Mathematics in Engineering, Science and Aerospace (UGC-CARE List Group-II-Scopus source list), Vol.12,No.1, pp:181-217, 2021.
7. A Mathematical study of a MHD asymmetric flow between two parallel porous disks using Homotopy analysis method, Journal of Information and Computational Science (UGC-CARE List Group-II-Scopus source list), Volume 12, Issue 2, pp: 335-348, 2022.
8. A Mathematical analysis of a chemical reaction on a mhd micropolar fluid flow, Gisscience Journal (UGC-CARE List group-II-Scopus source list), Volume 9, Issue 3, pp: 1409-1426, 2022.

Seminar / Workshop Organized :

1. Member of the Organizing Committee of the UGC Autonomy Grant one day State level Workshop on “MATLAB and its TOOLS”, held at V.H.N.S.N College (Autonomous), Virudhunagar on 10th February 2020.
2. Member of the Organizing Committee of the seminar on “LATEX”, held at V.H.N.S.N College (Autonomous), Virudhunagar on 14th February 2020.

MOOC Courses

- Successfully completed NPTEL online certificate course (Jan-Mar 2019) in “Basic Linear Algebra” with a score of 88% and awarded Elite + Silver and topper at 5% level.
- Successfully completed NPTEL online certificate course (Jan-Mar 2019) in “Graph Theory” scoring 86% marks and awarded Elite + Silver with AICTE approved FDP certificate.
- Successfully completed NPTEL online certificate course (Jan-Apr 2020) in “Numerical Linear Algebra” scoring 71% marks and awarded Elite with AICTE approved FDP certificate.
- Successfully completed NPTEL online certificate course (Jan-Apr 2020) in “Transform Calculus and its applications in Differential Equations” scoring 77% marks and awarded Elite + Silver with AICTE approved FDP certificate.
- Successfully completed NPTEL online certificate course (Jan-Apr 2020) in “Descriptive Statistics with R Software” with AICTE approved FDP certificate.
- Successfully completed NPTEL online certificate course (Jul-Dec 2021) in “Introduction to Abstract and Linear Algebra” with AICTE approved FDP certificate.
- Successfully completed NPTEL online certificate course (Jul-Dec 2021) in “Matrix Analysis with Applications” with AICTE approved FDP certificate.
- Certified and recognized as NPTEL DISCIPLINE STAR Jul-Dec 2021 for completing more than 50 weeks of learning in courses of same discipline, final score in each subject ≥ 55 .

Faculty Development Programme/Workshop/Seminar Attended

- Participated in One week National level Online Faculty Development Programme and Successfully completed the hands on training in R language, held during 13.05.2020 to 20.05.2020, organized Auxilium College (Autonomous), Vellore, in collaboration with Spoken-Tutorial Project, IIT Bombay, funded by National Mission of Education through ICT, MHRD, Govt of India.
- Participated in FDP on LATEX organized by V.O.Chidambaram College from 29.04.2020 to 05.05.2020

- Participated in FDP on Scilab organized by V.O.Chidambaram College in January 2020 semester.
- Participated in FDP on R training programme organized by Auxillum College in January 2020 semester.
- Participated in 2 days FDP on “PROJECT PROPOSALS FOR FUNDING AGENCIES (UGC STRIDE & ICSSR IMPRESS) : PREPARATION AND SUBMISSION PROTOCOL” organized by Patrician College of Arts and Science, Chennai on 16.05.2020 and 17.05.2020
- Participated in one day webinar on “ Current Research in Fuzzy Mathematics” held on 24 May 2020 organized by Sri Pushpam College (Autonomous), Thanjavur.
- Attended the outreach programme for college professors on the topic “ Awareness on MOOCs” organized by V.V.Vanniaperumal College for Women (Autonomous) on 01.02.2021.
- Participated in one day webinar on “ Qualitative Analysis of Differential Equations and its Application” held on 21 May 2020 organized by G.T.N. College (Autonomous), Dindigul.
- Participated in one day webinar on “ CSIR NET/ SET examination in Mathematical Science” held on 27 May 2020 organized by Urumu Dhanalakshmi College, Trichy.
- Participated in the National webinar on “ Applications of Graph Theory” held on 07.06.2020 organized by V.O. Chidambaram College, Thoothukudi.
- Participated in three days workshop on “Basics of MATLAB, LATEX & SAGEMATH” held on 5 June 2020 to 7 June 2020 organized by Khadir Mohideen College, Adiramapattinam.

Software Skills:

1. R Language
2. Matlab
3. Latex
4. Scilab