

STAFF PROFILE- MRS. P. PRIYA



1. **Name:** Mrs. P. Priya
2. **Designation:** Assistant Professor, PG and Research Department of Mathematics
Auxilium College (Autonomous), Vellore – 632 006.
3. **Qualification:** M.Sc., M. Phil., SET., (Ph.D)
4. **Mobile Number:** 73 73 00 8653
5. **E. Mail Id:** priyap@auxiliumcollege.edu.in
6. **Teaching Experience:** 5 years
7. **No. of Papers Published:** 1 Research articles
8. **No. of Papers presented in the National/
International/Seminars/Workshops/Conference:** 3
9. **No. of National/
International/Seminars/Workshops/Conference/Congress/Symposium/ Endowment
Lecture/ Conclave attended:** 07 (Offline)
10. **No. of Webinars attended:-** 44 (Online)
11. **No. of Seminars/Workshops/Conference/FDP/PDP organized:**
Organizing Member: 3
12. **Responsibilities held:**
 - Members of the board of studies for UG and PG Mathematics.
 - Mentor
13. **Current Responsibilities:**
 - In charge of Health and fine arts club
 - Association of Mathematics
 - Mentor
14. **No. of Online Courses Completed:** 5

15. Any other:

Granted Qualification approval (to hold the post) from the Thiruvalluvar

University:

No. TVU/R/Apprl.of.Qulfn./AC/2018/3467

Date: 27.12.2018

Computer Knowledge: C, C++, Java, LATEX and MATLAB

Technical qualification: Completed Junior Grade in Typewriting (English)

Enclosed Details

Paper Publications Details:

| S. No | Topic | Conference name | Institute | Journal Name | Date |
|-------|--|-----------------|-----------|--|------------|
| 1 | Caputo fractal fractional order of Soil Pollution model due to industrial and agrochemical | - | Springer | International Journal of applied and computational mathematics | July, 2022 |

Paper Presentation Details:

| S. No | Title of the paper | Organized by | Online/ Offline | Date |
|-------|--|---|-----------------|-----------------------|
| 1. | “Dynamical model of Taeniasis disease transmission with Nonlinear incidence rate”. | International conference on recent trends in Mathematics and its applications (ICRTMA-2021), Department of Mathematics school of Science, GITAM, Bengaluru. | Online | December 2-3, 2021. |
| 2. | “Uniform Asymptotic Stability of SIR model with distributed delay: A case study of Nipha Virus”. | International conference on Mathematical science in Engineering and Advanced Technologies- ICMSEAT-2021, KPR Institute of Engineering and Technologies, Coimbatore. | Online | December 22-23, 2021. |
| 3. | “Analysis of Soil Pollution Using | International Conference on Mathematics and its Applications (ICMA-2022), | Online | May, 05-06, 2022 |

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| | Fractional order model – An Adomain Decomposition Approach” | Department of Mathematics, Sacred Heart’s College, Tirupattur | | |
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**No. of National/ International/Seminars/Workshops/Conference/Congress/Symposium/
Endowment Lecture/ Conclave attended: 7 (Offline)**

| S. No. | Title of Event | Organized by | Date/s |
|--------|--|--|---|
| 1 | National seminar on the History of Ancient Mathematics as Culled out from Tamil Epigraphs and Literature. | PG and Research Department of Tamil, Sacred Hearts College, Tirupattur. | 26 th and 27 th February, 2019. |
| 2 | One day National level seminar on Recent Trends in Discrete Mathematics | D.K.M College for Women, Vellore | 25 th January, 2019. |
| 3 | International Symposium On Recent Trends in Mathematical Sciences | VIT University, Vellore | 15 and 16, July, 2019. |
| 4 | National level Faculty development program on “Artificial Intelligence and computer vision using MATLAB and SIMULINK | Auxilium College (Autonomous), Gandhi Nagar, Vellore. | 26 th September 2019 |
| 5 | National conference on applied Mathematics and its applications | PG and Research Department of Mathematics, Sacred Heart College, Tirupattur. | 6 th and 7 th February, 2019 |
| 6 | International Seminar on Applied Mathematics (ISAM-2019) | Auxilium College (Autonomous), Gandhi Nagar, Vellore. | 19 th July, 2019 |
| 7 | International seminar on “Inventive scenario in Modern Mathematics” | PG and Research Department of Mathematics, Voorhees College, Vellore. | 20 th August, 2019 |

**No. of National/ International/Seminars/Workshops/Conference/Congress/Symposium/
Endowment Lecture/ Conclave attended: 44 (Online)**

| S. No. | Title of Event | Organized by | Date/s |
|---------------|--|---|--|
| 1 | One week National Level online Faculty Development Program includes training in R Language | PG and Research Department of Mathematics, Auxilium College(Autonomous), Vellore in collaboration with Spoken Tutorial Project IIT Bombay, Funded by National Mission of Education through ICT, MHRD, Govt. of India. | 13 th -20 th May 2020 |
| 1 | Online Workshop on Mathematical Analysis (MATANA 2020) | PG and Research Department of Mathematics, Loyola College (Autonomous), Chennai. | 8 th -13 th June 2020 |
| 2 | Two days Webinar on “Linear Algebra” | PG and Research Department of Mathematics, National College (Autonomous), Trichy. | 9 th - 10 th June 2020 |
| 3 | Webinar on “Graphs from Commutative Rings” | Department of Mathematics Presidency College(Autonomous), Chennai. | 10 th June 2020 |
| 4 | Webinar on Introduction to the theory of Automata and its Applications | PG and Research Department of Mathematics, Queen Marys College(A), Chennai. | 11 th June 2020 |
| 5 | Five- Day Webinar series on “Outcome Based Education(OBE)” | IQAC, Sacred Heart College(Autonomous), Kochi, Kerala. | 11 th ,12 th , 15 th ,16 th and 17 th June 2020 |
| 6 | One day online Webinar on “Similarity Measure in Fuzzy Numbers and its Applications | Department of Science and Humanities, Dr. N. G. P Institute of Technology, Coimbatore. | 13 th June 2020 |
| 7 | International webinar on Emerging Trends in Graph Theory” | PG and Research Department of Mathematics, Sacred Heart College(Autonomous), Tirupattur. | 14 th – 16 th June 2020 |

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| 8 | National Level Webinar on “Studies on Fuzzy Topological Space” | PG Department of Mathematics(SF), Rajapalayam Raju’s College, Rajapalayam. | 15 th June 2020 |
| 9 | Two day International webinar on “Recent Advances in Mathematics & Covid -19” | Department of Mathematics and Statistics and IQAC, St. Joseph’s College for Women(A), Andhra Pradesh. | 15 th -16 th June 2020 |
| 10 | One week FDP on “Advanced Materials Research” | Department of Science and Humanities, Bharat Institute of Engineering and Technology, Hyderabad. | 15 th -19 th June 2020 |
| 11 | International Web Conference on “Advances in Mathematics” | PG and Research Department of Mathematics, St. Mary’s College(Autonomous), Thoothukudi. | 17 th -19 th June 2020 |
| 12 | Three days Online Faculty Development Programme on “Mathematical Modeling in Biomedical Engineering-2020” | Department of science and Humanities, Dr. N. G. P. Institute of Technology, Coimbatore. | 18 th -20 th June 2020 |
| 13 | The Mathematics Live webinar on “SAGEMATH- Greatest way of Understanding Math” | Department of Mathematics, PSNA College of Engineering and Technology, Dindigul. | 18 th June 2020 |
| 14 | National Webinar on Fuzzy Applications | PG and Research Department of Mathematics, St. Joseph’s College of Arts and Science (Autonomous), Cuddalore. | 18 th June 2020 |
| 15 | Webinar on “Basic Author Workshop Research Article Writing and Reference Management Using Mandalay” | Faculty of Science, Annamalai University in collaboration with ELESVIER. | 22 nd June 2020 |
| 16 | Webinar on Mathematical Modelling Perspectives for prediction of spread and control strategies for COVID- 19 | Department of Mathematics, JIWAJI University, Gwalior. | 24 th June 2020 |
| 17 | National Webinar on “Coloring of Graphs” | Department of AS&H (Mathematics), Tirumala Engineering College, Andhra Pradesh. | 26 th June 2020 |

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| 18 | National Webinar on “ Fascinating world of Mathematics and its applications to blood flows” | Department of Mathematics, Siddartha College of arts and science, Vijayawada. | 27 th June 2020 |
| 19 | National Webinar on “ Differential Equation and Applications” | Department of H&S (Engineering Mathematics), Malla Reddy Institute of Technology and Sciences, Secundarabad, Telegana. | 28 th June 2020 |
| 20 | One day Webinar on Recent Trends in Mathematics | Department of Computational Science and Humanities, Indian Institute of Information Technology, Kottayam, Kerala. | 29 th June 2020 |
| 21 | One Week International Online Faculty Development Programme on “Applications of Mathematics in Science and Engineering” | Department of Basic Science (Mathematics), Vishnu Institute of Technology, Bhimavaram. | 7 th – 11 th July 2020 |
| 22 | National Webinar on “Queer Studies in India: Some Reflections” | Department of English associate with Voluntary Health Services, Chennai, an event registered with san Diego Pride, California, A.P.C. Mahalaxmi College For Women, Thoothukudi. | 13 th July 2020 |
| 23 | National Webinar on “CSIR NET Mathematics” | PG and Research Department of Mathematics, Sengunthar arts and science college, Namakkal. | 15 th July 2020 |
| 24 | Three day FDP on “Experts of Research Methodology and Processes” | Research and Development, Tirumala Engineering College, Guntur, Andhra Pradesh. | 20 th – 22 nd July 2020 |
| 25 | International online FDP on” DIGITAL TOOLS FOR RESEARCHERS AND ICT ONLINE TOOLS IN TEACHING” | PG and Research Department of Mathematics Hindusthan innovative learning Hub, Hindusthan College of Arts and Science, Coimbatore. | 20 th -24 th July 2020 |
| 26 | National level one week confederated online Faculty Development Program on “Orienting Applications and Conceptualized aspects of Sciences and Humanities” | Department of Humanities and Science, Balaji Institute of Technology and Science, Telangana. | 21 st – 25 th July 2020 |

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| 27 | National conference on “Mathematical Analysis and Computing (NCMAC-2021)”. | Sree sevugan Annamalai College, Department of Mathematics, Sivagangai. | May 28, 2021. |
| 28 | National level Webinar on “Mathematical Software workshop”. | Universal Engineering College, Department of applied sciences and Humanities, Kerala. | June 02-06, 2021 |
| 29 | Webinar on ‘How to handle online classes effectively?’ | VIT University, School of social sciences and Language, Chennai. | June 10, 2021 |
| 30 | Webinar on “ Role of Preservatives in Nutritional Industry: | Nehru Arts and Science College, Centre for skills developments and Entrepreneurship cell, Coimbatore. | July 03, 2021 |
| 31 | Webinar on “Emerging Research Topics in Mathematics” | Auxilium College, Department of Mathematics, Vellore. | October 1, 2021 |
| 32 | One day International Webinar on “Multiplicative inverse Functional Equations and their Applications”. | St. Joseph’s College of Arts and Science (Autonomous), Cuddalore. | October 29, 2021 |
| 33 | Workshop on “Documentation and Data Management”. | IQAC, Auxilium College, Vellore. | October 29, 2021 |
| 34 | Webinar on “Research Trends in Mathematics” | PG and Research Department of Mathematics, Auxilium College, Vellore. | December 1, 2021 |
| 35 | Webinar on “Amazing Analysis” | Department of Mathematics and Computer Application, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai. | December 18, 2021 |
| 36 | Workshop on “Numerical and Analytic techniques in Engineering problems”. | Department of Mathematics, SRM University, Chennai. | January 19-21, 2022 |
| 37 | Webinar on “Developing Mathematical Thinking” | PG and Research Department of Mathematics, Auxilium College, Vellore. | January 27, 2022 |

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| 38 | Webinar on “ Graph theory emerging in the field of computer science”. | PG and Research Department of Mathematics, St. Joseph’s College of Arts and Science, Cuddalore | March 23, 2022 |
| 39 | Webinar on Excellence in Teaching, Training and Research | Bharat Institute of Engineering and Technology, Centre for Research and Development in Education and Social Integration and Indian Ceramic Society, Hyderabad. | July 23, 2022 |
| 40 | Webinar on Innovations in Materials Processing: Importance of Ceramic Shell moulds for investment casting of Gas Turbines Components | Bharat Institute of Engineering and Technology, Centre for Research and Development in Education and Social Integration and Indian Ceramic Society, Hyderabad. | August 20, 2022 |
| 41 | Five days National Level Faculty development program on Recent advances in Mathematics | VIT University, Vellore | August 8-12, 2022 |
| 42 | Workshop on “Graph Theory using Python. | VIT University, Vellore | September 3, 2022 |
| 43 | State Level Intercollegiate paper Presentation | Auxilium College, Vellore | October 20, 2022 |
| 44 | FDP on LibreOffice Suite Writer 6.3 | Spoken Tutorial IIT Bombay | June 15, 2022 |
| | FDP on LibreOffice Suite Calc 6.3 | Spoken Tutorial IIT Bombay | June 17, 2022 |
| | FDP on Libre Office Suite Impress 6.3 | Spoken Tutorial IIT Bombay | June 18, 2022 |

Online course studied in Coursera and NPTEL : 5

| S. No. | Course | Conducted by | Duration |
|--------|------------------------------------|----------------------|----------|
| 1. | Programming for everybody (Getting | Coursera, University | 7 weeks. |

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| | started with Python) | of Michigan. | |
| 2. | Introduction to ordinary differential equation. | Coursera, KAIST. | 9 weeks. |
| 3. | Introduction to Programming in MATLAB. | Coursera, Vanderbilt University. | 9 weeks. |
| 4. | Ordinary and Partial differential equation with Applications | NPTEL, IIT Roorkee. | 12 weeks. |
| 5. | Introduction to Abstract and Linear Algebra | NPTEL, IIT Kharagpur . | 8 weeks. |