|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Dr R.POORNIMA** |  |
|  |  | Curriculum Vitae |  |
| **PERSONAL DETAILS** | Photo 1 |  |
| Birth | : Jan 24, 1983 |  |  |
| Site No 36, Velu Avenue Phase II, SNMV College road, Amutha Surabhi Nagar Malumichampatti, Cbe. |  |
| Address |  |
| : 9715648643 |  |  |
| Phone |  |  |
|  |  |  |
| Mail | : poornimavisaanth@gmail.com, poornima.maths@hicet.ac.in,  |  |  |
|  |  |  |
| **EDUCATION** |  |  |  |
| **Ph.D. Mathematics(Fuzzy Mathematics)** | 2014-Till date |  |
| Karpagam University 2019 |  |  |
| Eachanary,Coimbatore-21 |  |
| **M.Sc. Mathematics** | 2004-2006 |  |
| Bharathiar University-Nirmala College for Women, 2005Red fields |  |  |
| **Class obtained: First Class** |  |  |
| **B.Sc. Mathematics** | 2000-2003 |  |

Bharathiar University-

PSGR Krishnammal College for Women, 2003

Peelamedu,Coimbatore

**Class obtained: First Class**

**WORK EXPERIENCE**

**Associate Professor**

* Hindusthan College of Engineering and Technology

Coimbatore-32 2017 to till date

**Assistant Professor** 0 2009-201214-2016

* Karpagam University, Coimbatore-21 2016 to 2017

0162014-2016

**Assistant Professor**

* Karpagam College of Engineering,

Coimbatore-322014-2016

**Lecturer**

* Karpagam University, Coimbatore-212009-2012

**Lecturer**

* PKR Arts and Science College for Women,

 Gobi.2007-2009

**PG Assistant**

* BVM HSS, Pollachi2006-2007

**Total Experience: 01.06.2006 to till date of 2023 (Nearly 15 years)**

**ACHIEVEMENT**

**Received Women Researcher Award in the year 2020**

**Received Outstanding Doctoral Researcher Award-2022**

**PATENT PUBLISHED**

**1.202041041250 – ARTIFICIAL NEURAL NETWORK BASED LOW COST**

**AUTONOMOUS MOBILE ROBOT USING WIRELESS SENSOR NETWORK**

**2.202241054152 A-STATISTICAL ANALYSIS OF NUMERICAL ATTRIBUTES OF**

**BRAIN TUMORS AND PREDICTTHE LIFE EXPECTANCY THROUGH**

**CONFUSION MATRIX INSTANCES**

**3.202241045793 A - FUZZY AND INTUITIONISTIC FUZZY STRONG IMPLICATIVE**

**FILTERS OF RESIDUATELATTICE WAJSBERG ALGEBRAS**

**LIST OF PUBLICATIONS**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S No.** | **Publication Title** | **Authors** | **Journal Name** | **Journal Volume** | **Journal Issue** | **Year** | **Start-End page** | **Indexed in** |
| **1** | Advanced Study on The Neutrosophic Convolution Inequalities of Z −Transform | R Poorniama | Journal of Xidian University | 16 | 8 | 2022 | 60-68 | SCOPUS |
| **2** | A Study on Meantime Assessment Intuitionistic Reluctant Fuzzy Auxiliary Nearring and Meantime Assessment Intuitionistic Triangular Reluctant Fuzzy Auxiliary Nearring | R Poorniama | International Journal of Advanced Research in Science, Communication and Technology | 12 | 1 | 2021 | 99-111 | SCOPE(UGC Care) |
| **3** | A Study On Meantime Assessment Q-Intuitionistic Reluctant Fuzzy Auxiliary Nearring | R Poorniama | International Journal Of Creative Research Thoughts | 9 | 5 | 2021 | 741-751 | UGC Care |
| **4** | A Trending Study On The Neutrosophication Of Z Transform | R Poorniama | Journal of University of Shanghai for Science and Technology | 23 | 10 | 2021 | 477-483 | UGC Care |
| **5** | [Neutrosophic Newton Raphson Method in Mechanical Engineering](http://solidstatetechnology.us/index.php/JSST/article/view/10574) | R Poorniama | Solid State Technology | 64 | 2 | 2021 | 5712-5720 | UGC Care |
| **6** | IOT based Real Time Environmental Monitoring system using Blynk Application | R Poorniama | International Journal of Grid and Distributed Computing | 13 | 2 | 2020 | 1800-1806 | ESCI |
| **7** | Interval -Valued Hesitant Fuzzy Subnearring Bonferroni Mean and Interval -Valued Hesitant Fuzzy Subnearring Weighted Bonferroni Mean | R Poorniama | International Journal of Advances in Engineering and Management (IJAEM) | 2 | 11 | 2020 | 189-196 | UGC CarePublons |
| **8** | Analysis Of Time To Recruitment Of A Manpower Model For An Organization With Two Soursec Of Depletion And Two Components For Threshold For The Depletion Of Manpower | R Poorniama | Waffen – und kostumkunde Journal | 11 | 2 | 2020 | 74-91 | Web of Science |
| **9** | Application of Cognitive map in voluntary retirement analysis | R Poorniama | International journal of pure and Applied mathematics | 118 (11), 337-343 | 11 | 2018 | 337-343 | UGC Care |
| **10** | Meantime Assessment Anti 𝕼 - Reluctant Frizzy Auxiliary Nearrings of PS-Algebras | R Poorniama | Journal International Journal of Innovative Science and Research Technology | 3 | 7 | 2018 | 62-67 | UGC Care ESJI |
| **11** | [A Study on Interval–Valued Anti-Hesitant Fuzzy Subnearrings](https://www.ripublication.com/gjpam17/gjpamv13n5_11.pdf) | R Poorniama | Global Journal of Pure and Applied Mathematics | 13 | 5 | 2017 | 1429-1445 | UGC CareICI |
| **12** | [Interval–Valued ℚ̌− Hesitant Fuzzy Normal Subnearrings](https://www.ripublication.com/afm17/afmv12n2_09.pdf) | R Poorniama | Advances in Fuzzy Mathematics | 12 | 2 | 2017 | 263-274 | UGC CareICI |
| **13** | Interval Valued Hesitant Fuzzy Subnearrings | R Poorniama | Advances In Fuzzy Sets And Systems | 22 | 3 | 2017 | 137-156 | UGC Care |
| **14** | Evergreen science programme: A fuzzy evaluation approach | R Poorniama | International Journal of Multidisciplinary Research and Development | 4 | 5 | 2017 | 124-127 | UGC CarePublons |
| **15** | Fuzzy Logic In Choice Based Credit System | R Poorniama | IJMA | 7 | 4 | 2016 | 166-169 | UGC Care |
| **16** | Interval-valued Fuzzy subnearrings of a nearing under Homomorphism | R Poorniama | IJAM | 6 | 2 | 2016 | 82-89 | UGC Care |
| **17** | Solving Fuzzy Simultaneous Equations By The Fuzzy Laplace Transform Method | R Poorniama | IJAER | 11 | 1 | 2016 | 64-71 | UGC Care |

**DETAILS OF WEBINAR ORGANISED AND ATTENDED , COURSERA COMPLETED**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.NO | DATE | TITLE(WBINAR,FDP & WORKSHOP) | TOTAL DAYS | INSTITUTION |
| 1 | 11.07.2020 | Recent Trends in Mathematics, Holistic Development from AICTE perspective | 1 | Government Arts College Udhagamandalam |
| 2 | 25.07.2020 | Decimal expansion, Gauss conjecture and Borel conjecture | 1 | Dwaraka doss Goverdhan Doss Vaisnnav College, Chennai |
| 3 | 16.07.2020 | Eigen values Problems in Civil Engineering | 1 | KPRIET |
| 4 | 18.07.2020 to 24.07.2020 | International Online FDP on Mathematical Sciences | 7 | VIGNAN'S Foundation of Science and Technology |
| 5 | 20.07.2020 to 25.07.2020 | FDP on Applied Mathematics in Engineering,International web conference for Material Science, Signals,Images and Structured Data |   | KPRIET |
| 6 | 21,22,23 & 25 .07.2020  | Mathematical and Statistical Tools at applied Level |   | Yuvakshetra Institute of Management Studies |
| 7 | 22.07.2020 to 24.07.2020 | Stretegies and Techniques for Influential Teaching |   | HICET |
| 8 | 27.07.2020 to 31.07.2020 | Emerging Trends in Graph Theory,Machine Learning with Data Analytics,Chromatic polynomials of graphs fron Lie Algebras | 5 | Dr.N.G.P. Institute of Technology |
| 9 | 30.07.2020 | Stochastic models of a call center |   | Sri SaiRam Engineering College |
| 10 | 27.07.2020 to 28.07.2020 | Mathematical Modelling and its Applicaitions |   | RMK College of Engineering and Technology |
| 11 | 29.07.2020 | Graph Optimization |   | Don Bosco College, Yelagiri |
| 12 | 29.07.2020 | Operation Research and its Applications |   | Palamuru University |
| 13 | 15.07.2020  | Prominance of Mathematics in Divere Sectors | 1 | HICET |
| 16 | 14.07.2020 | How to write an Effective Research Paper | 1 | Rathimam Technical Campus |
| 17 | 29.06.2020 to July 5 | Mathematical Modelling in Data Analytics and Engineers,NIRF FDP | 5 | KCT , CBE |
| 18 | 17.8.20 to 23.8.20 | Application and implementation of Mathematics FDP | 7 | HICET |
| 19 | 24.8.20 TO 25.8.20 | Diversity of Mathematics FDP | 2 | HICET |
| 20 | 28.8.20 TO 29.8.20 | International conference  | 2 | HICET |
| 21 | 2.9.20 TO 04.9.20 | Workshop on MATLAB | 3 | HICET |
| 22 | 25.8.20 to 28.8.20 | Application of Mathematics in Engineering FDP | 4 | KPRIET |
| 23 | 27.8.20 | An introductory concept of Fluid Dynamics(National Webinar) | 1 | K S Rangasamy College of Arts and Science  |
| 24 | 25.8.20 to 26.8.20 | Two day virtual workshop on LATEX A documentary research tool (Workshop) | 2 | PSGR Krishnammal College for women |
| 25 | 22.8.20 to 23.8.20 | Digital International Conference on Inventory Modeling | 2 | Gujarat University |
| 26 | 27.7.20 to 01.08.20 | AICTE sponsored Short term training program(FDP) | 6 | Tamilnadu College of Engineering and Technology |
| 27 | 10.8.20 to 14.8.20 | Modern Mathematical tools in Calculus and Analytics(FDP) | 5 | KCT , CBE |
| 28 | 19.8.2020 | Graph Theory (International Webinar) | 1 | Thiagarajan college of Engineering |
| 29 | 18.8.2020 | Application of PDE and Recent trends in Mathematical Education(FDP) | 1 | St Dominics College |
| 30 | 8.8.20 to 9.8.20 | Fixed Point Theory and its Applications(International FDP) | 2 | St Josephs College |
| 31 | 13.8.20 | One day National Webinar on DE and their applications in water wave theory | 1 | Dayananda sagar University School of Eng |
| 32 | 8.8.20 | Constitution of India | 1 | hicet |
| 33 | 8.8.20 | Distance Magic Graphs(Webinar) | 1 | KAHE |
| 34 | 7.8.20 | SAGE and Mathematics in Engineering(Workshop) | 1 | BAIT |
| 35 | 4.8.20 | General Mathematics(Quiz) | 1 | Seshasayee institute of Technology |
| 36 | 2.8.20 to 5.8.20 | Special functions and Discrete Mathematics(Int Webinar) | 4 | University of KERALA |
| 37 | 4.8.20 | Online teaching via Google app(FDP) | 1 | PSGR Krishnammal College for women |
| 38 | 14.09.2020 | ‘An Introduction To Cech-Closure Spaces’ | 1 | KKTM GOVT COLLEGE PULLUT |
| 39 | 15.9.2020 | Graphs in World | 1 | Rathnam Technical Campus |
|   | ACHIEVEMENT |   |   |
| 1 | JULY 4&5 | WOMEN RESEARCHER AWARD | 2 | VDGOOD TECHNOLOGY |
|   | Coursera |   |   |   |
| 1 | JUNE | AI for Everyone |   | HICET |
| 2 | JUNE | Positive Psychology |   | HICET |
| 3 | JUNE | Vector Calculus for Engineers |   | HICET |
| 4 | JUNE | Differential Equations for Engineers |   | HICET |
| 5 | JUNE | Leadership and Emotional Intelligence |   | HICET |
| 6 | JUNE | Advanced Instructional strategies in the virtual classroom |   | HICET |
| 7 | JULY  | Introduction to Psychology |   | HICET |
| 8 | JULY  | Matrix Algebra for Engineers |   | HICET |
| 9 | JULY  | Introduction to ODE |   | HICET |
| 10 | JULY  | R Programming |   | HICET |
| 11 | AUG | Stochastic Processes |   | HICET |
| 12 | AUG | Data Science Math Skills |   | HICET |
|   |   | Organized |   |   |
| 1 | 10.06.2020  | Webinar on Digital Culture in Education | Webinar  | HICET |
| 2 | 16.06.2020  | APPLICATIONS OF MATHEMATICS IN VARIOUS DISCIPLINES | Webinar  | HICET |
| 3 | 12.06.2020 | Cracking the Interview,made easy. | Webinar  | HICET |
| 4 | 12.06.2020 | Dynamic of Mathematics | Webinar  | HICET |
| 5 | 16.06.2020  | Strategy to Crack CSIR NET in Mathematics | Webinar  | HICET |
| 6 | 17.06.2020 | APPLICATION OF GRAPH THEORY IN VARIOUS DISCIPLINES | Webinar  | HICET |
| 7 | 18.06.2020  | Mathematical Survey in Transforms | Workshop  | HICET |
| 8 | 06.07.2020 to 07.07.2020  | Pure and Applied Mathematics | FDP | HICET |
| 9 | 08.07.2020 | Ingredients for Success | Webinar  | HICET |
| 10 | 16.07.2020  | Mathematics to Management | Webinar  | HICET |
| 11 |  22.07.2020 & 23.07.2020  | A Two - day Workshop on Algebra | Workshop | HICET |
| 12 | 05.08.2020 | Execution of Scilab and Latex in Research and Publications | Workshop | HICET |
| 13 | Day 1 : 17.08.2020(1 hr) Day 2: 18.08.2020 (1 hr) Day 3:19.08.2020 (1 hr) Day 4: 20.08.2020(1 hr) Day 5: 21.08.2020(1 hr) Day 6:22.08.2020(1 hr) Day 7: 23.08.2020(1 hr) | One week International Faculty Development Programme on application and Implements of Mathematics | FDP | HICET |
| 14 | Day1 : 24.08.2020 / (1 hr) Day 2: 25.08.2020/(1 hr) | A Two-day National Virtual FDP on Diversity of Mathematics | FDP | HICET |
| 15 | Day 1 :28.08.2020 Day 2: 29.08.2020 | International Virtual Conference on Reconceptualizing in Mathematical Sciences and Language/Literature | Conference | HICET |
| 16 | Day 1:02.09.2020 (1 hr) Day 2: 03.09.2020(1 hr) Day 3: 04.09.2020(1 hr) | Workshop on MATLAB | Workshop | HICET |
| 17 | 16.07.2020 | National webinar on Mathematics to Management |   | HICET |
| 18 | 22.07.2020 to 23.07.2020 | A Two - Day Workshop on Algebra' |   | HICET |
|   |   | International conference Paper presentation |   |   |
| 1 | July 23&24 | Meantime assesment Relutant frizzy Auxiliary Nearrring | 2 | Banariamman Institute of Tech |
| 2 | Aug 28 & 29 | Reluctant frizzy auxiliary nearring Bonferroni mean and Reluctant frizzy auxiliary nearring Weighted Bonferroni mean | 2 | HICET |

**Coursera(Online courses) Completed**

|  |
| --- |
| AI for Everyone |
| Positive Psychology |
| Vector Calculus for Engineers |
| Differential Equations for Engineers |
| Leadership and Emotional Intelligence |
| Advanced Instructional strategies in the virtual classroom |
| Introduction to Psychology |
| Linear Algebra |
| Matrix Algebra for Engineers |
| Introduction to ODE |
| R Programming |
| Stochastic Processes |
| The Science of well being |
| Data Science Math Skills |
|  |
|  |

**PAPER PRESENTED IN CONFERENCES**

1. **R. Poornima, Solving Fuzzy Simultaneous equations by using Fuzzy Laplace Transform Method**, ICAMM, PSG Tech, Coimbatore, 5th Jan to 7th Jan, 2016.
2. **R. Poornima, Fuzzy Variational Approach, National Conference on Applications of Differential Equations, PSGRKC, Coimbatore, 5 & 6th Mar 2016.**
3. **R. Poornima, Fuzzy Logic in Choice Based Credit System, National Conference on Mathematics and Computer techniques in Industries, PSGRKC, Coimbatore, 22 &23rd Mar 2016.**
4. **R. Poornima,Quasi Frobinus Fuzzy Ring, NCAMM, Bharathiar University, Coimbatore,Feb 2015.**
5. **R Poornima,**Meantime assesment Relutant frizzy Auxiliary Nearrring,Banariamman Institute of Tech,July 23&24.
6. **R Poornima,** Reluctant frizzy auxiliary nearring Bonferroni mean and Reluctant frizzy auxiliary nearring Weighted Bonferroni mean,Aug 28 & 29.
7. **R Poornima, A mathematical analysis to estimate time to recruitment for an organization, FMAACM 2021 , Feb 25-26 2021.**
8. **R Poornima , Intuitionistic semi Homeomorphisms,ICRTSEM 2023.**
9. **R Poornima , A study on Neutrosophic n closed sets,ICRTSEM 2023.**

**PARTICIPATION IN CONFERENCES / WORKSHOPS**

* Participated in National Congress, Karpagam Academy of Higher Education, Coimbatore.
* Participated in the workshop on MATLAB, Karpagam College of Engineering, Coimbatore
* Participated in the workshop on Engineering Mathematics and its Applications, Karpagam College of Engineering, Coimbatore
* Participated in the workshop on MATLAB ,KarpagamUniversity,Coimbatore
* Participated in the workshop on Industrial Applications of Mathematics, KGCAS,Coimbatore.
* Organized and participated lot of Webinars like FDP, Work shop and Quiz in the year 2020.
* Organizing an International online conference in the year 2020.

**SOFTWARE PROFICIENCY**

LATEX, MATLAB, Python, C,C++,MS Office, R Studio, Geigebra

**REFERENCES**

1. Dr. M.M.Shanmugapriya2.Dr.K P Uma

AssistantProfessor and Head Professor & Head, Dept of S&H,

Department of Mathematics Hindusthan college of Engineering and Technology

Karpagam University. Coimbatore-32

Coimbatore-21

**DECLARATION**

I hereby declare that all the information furnished above is true to the best of my knowledge.

R Poornima

Bottom of Form