

# DR. K. AMUTHA

Designation : Assistant professor  
Department : Mathematics (SF)  
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Date of Birth : 02-03-1976  
Languages Proficiency  
Read : English & Tamil  
Write : English & Tamil  
Speak : English & Tamil

## 1. QUALIFICATION

| S. No. | Degree / Diploma / Certificate   | Discipline          | Name of the Institution              | Year of Passing |
|--------|----------------------------------|---------------------|--------------------------------------|-----------------|
| 1.     | UG                               | Mathematics         | Sri Meenakshi Govt College, Madurai. | 1998            |
| 2.     | PG                               | Mathematics         | Sri Meenakshi Govt College, Madurai. | 2000            |
| 3.     | M.Phil.                          | Mathematics         | MKU                                  | 2002            |
| 4.     | Ph.D.                            | Mathematics         | MKU                                  | 2018            |
| 5.     | Other (Additional Certification) | B. Ed - Mathematics | IGNO                                 | 2012            |

## 2. TEACHING EXPERIENCE / OTHER EXPERIENCE

| S. No. | Institution / Organization                                     | From - To               |
|--------|----------------------------------------------------------------|-------------------------|
| 1.     | Sri Jeyendra Sareshwathi Centre Kodaikanal.                    | 8.3.2006 - 30.11.2007   |
| 2.     | Sri Hayagreeva Arts and Science College, Kodai Road, Dindigul. | 10.7.2009 - 31.5.2011   |
| 3.     | Parvathy's Arts and Science College, Dindigul.                 | 1.6.2011 - 31.8.2017    |
| 4.     | MKU Evening College, Dindigul.                                 | 2008 - 31.3.2019        |
| 5.     | Sakthi Arts and Science College, Oddanchatram, Dindigul.       | 5.9.2017 - 13.4.2018    |
| 6.     | GTN Arts College, Dindigul.                                    | 5.12.2018 - 28.6.2019   |
| 7.     | Fatima College (Autonomous), Madurai.                          | 5.7.2019 - To Till Date |

## 3. POSITION HELD IN FATIMA (VICE PRINCIPAL, HOD, DEAN, COORDINATOR, MEMBER ETC.)

| S. No. | Name of the Position | From - To   |
|--------|----------------------|-------------|
| 1.     | Quiz Club - Member   | 2019 - 2020 |

|    |                              |            |
|----|------------------------------|------------|
| 2. | Quiz Club - Member           | 2020-2021  |
| 3. | Rosa Extension - Member      | 2021 -2022 |
| 4. | Rotaract Club - Member       | 2022-2023  |
| 5. | Rotaract Club - Member       | 2023-2024  |
| 6. | EVS (Co-Ordinator- Shift II) | 2024-2025  |
| 7. | EVS (Co-Ordinator Shift- II) | 2025-2026  |

#### 4. AREAS OF SPECIALIZATION

##### ❖ GENERAL TOPOLOGY

##### PHD.PHIL. GUIDANCE COMPLETED/ONGOING

| S. No. | Student Name   | Title of Dissertation                                                  | Organization                                            | Year        |
|--------|----------------|------------------------------------------------------------------------|---------------------------------------------------------|-------------|
| 1.     | K. Kaleeswaei  | Sk Open Set and Sk Closed Set in Topological Spaces.                   | Sakthi Arts and Science College, Oddanchatram, Dindigul | 2017 - 2018 |
| 2.     | M. Kaleeswaei  | $\Delta$ mk-Closed Set and $\Delta$ mk Open Set in Topological Spaces. | Sakthi Arts and Science College, Oddanchatram, Dindigul | 2017 - 2018 |
| 3.     | S. Divya Priya | Sd Closed Set and Sd Open Set and Its Properties.                      | Sakthi Arts and Science College, Oddanchatram, Dindigul | 2017 - 2018 |

#### 5. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

| S. No. | Programme                     | Theme                                                                 | Organized by                                   | Date               |
|--------|-------------------------------|-----------------------------------------------------------------------|------------------------------------------------|--------------------|
| 1.     | Faculty Development Programme | Mathematical Modelling for Science and Engineering.                   | Cauvery College for Women (Autonomous) Trichy. | May 02, 2020       |
| 2.     | Faculty Development Programme | Fuzzy Mathematics and Its Application.                                | Fatima College (Autonomous) Madurai.           | July 11 -13, 2020  |
| 3.     | Faculty Development Programme | Appraisal of Mathematical Learning Outcomes in Cybergogy Environment. | Arul Anandar College, Karumathur Madurai.      | July 15 - 17, 2020 |
| 4.     | National Webinar              | New Approach in Graph Theory.                                         | Fatima College (Autonomous) Madurai.           | July 18 - 20, 2020 |
| 5.     | National Webinar              | Enhancing the Concepts of Sequences                                   | Saraswathi Narayanan College                   | July 20, 2020      |
| 6.     | National Webinar              | Research Metrics and Measurement to Etrance Research Visibility.      | G.T.N. Arts College Dindigul,                  | July 18, 2021      |
| 7.     | State Level Webinar           | Real Life Application of Fuzzy Systems                                | Parvathy's Arts and Science College            | Aug. 18, 2021      |

#### 6. NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES & SYMPOSIUMS

| S. No. | Programme & Theme | Organized by | Date | Participated/ | Title of the Paper |
|--------|-------------------|--------------|------|---------------|--------------------|
|--------|-------------------|--------------|------|---------------|--------------------|

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|----|---------------------------|--------------------------------------------------------------|--------------------|--------------|---------------------------------------|
|    |                           |                                                              |                    | Presented    |                                       |
| 1. | National Level Conference | Mangayarkarasi College of Arts & Science for Women, Madurai. | Oct. 01, 2016      | Participated | Mathematical Science and Applications |
| 2. | National Level Conference | Mannar Thirumalai Naicker College, Madurai.                  | Dec. 16, 2016      | Participated | Present Scenario in Graph Theory      |
| 3. | National Level Conference | Arul Anandar College, Karumathur Madurai.                    | Feb. 13, 2017      | Presented    | On Countra G- B Continuous Functions  |
| 4. | National Level Seminar    | Vivekananda College, Kanyakumari.                            | Feb. 16 & 17, 2017 | Presented    | On Countra G- B Continuous Functions  |
| 5. | International Conference  | Pandian Saraswathi Yadav Engineering College, Sivagangai.    | Mar. 10 & 11, 2017 | Presented    | Weakly G- $\Omega$ Closed Sets        |

## 7. ARTICLES PUBLISHED IN JOURNALS/PROCEEDINGS/MAGAZINES/BOOKS

| S. No. | Journal/Proceeding/Magazine/Book Name                                               | Title of the Article                                                  | Month/Year  | Vol. No. | Issue No. | Page No.  | ISSN               | Publisher |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------|----------|-----------|-----------|--------------------|-----------|
| 1.     | International Journal of Current Research Science and Technology                    | On countra g- $\beta$ continuous functions                            | 2017        | 3        | 2         | 1 - 11    | 2394 - 5745        | IJCRST    |
| 2.     | International Journal of Current Research Science and Technology                    | Weakly g- $\omega$ closed sets                                        | 2017        | 3        | 3         | 9 - 14    | 2394 - 5745        | IJCRST    |
| 3.     | International Journal of Innovative Research in Science, Engineering and Technology | Sk Open Set and Sk Closed Set in Topological Spaces                   | 15 Feb-2017 | 7        | 2         | -         | 2347 – 6710(Print) | IJIRSET   |
| 4.     | International Journal of Innovative Research in Science, Engineering and Technology | $\Delta$ mk-Closed Set and $\Delta$ mk Open Set in Topological Spaces | 15 Jan-2018 | 7        | 1         | e-        | 2347 – 6710(Print) | IJIRSET   |
| 5.     | International Journal of Innovative Research in Science, Engineering and Technology | Sd Closed Set and Sd Open Set and Its Properties                      | Jan- 2018   | 7        | 1         | 649 - 662 | 2347 – 6710(Print) | IJIRSET   |