<table>
<tr><td>Name: Dr.K.Subathra</td><td colspan="4">Photo<br>  </td></tr>
<tr><td>Designation:</td><td colspan="4">Professor</td></tr>
<tr><td>Qualification:</td><td colspan="4">M.Sc,M.Phil ,Ph.D</td></tr>
<tr><td>Area of specialization:</td><td colspan="4">Complex Analysis</td></tr>
<tr><td rowspan="2">Experience:</td><td colspan="2">Industrial Experience</td><td colspan="2">Teaching Experience</td></tr>
<tr><td colspan="2">-</td><td colspan="2">29</td></tr>
<tr><td rowspan="2">Number of workshops / FDP attended:</td><td colspan="2">Number of Workshops</td><td colspan="2">Number of FDPs</td></tr>
<tr><td colspan="2">11</td><td colspan="2">23</td></tr>
<tr><td rowspan="3">Publications:</td><td colspan="2">Conference</td><td colspan="2">Journal</td></tr>
<tr><td>National</td><td>International</td><td>National</td><td>International</td></tr>
<tr><td>3</td><td>2</td><td>3</td><td>5</td></tr>
<tr><td>Books / Book Chapters</td><td colspan="4"></td></tr>
<tr><td rowspan="2">Patents:</td><td colspan="2">National</td><td colspan="2">International</td></tr>
<tr><td colspan="2">3</td><td colspan="2"></td></tr>
<tr><td>Professional Body Membership</td><td colspan="4">2</td></tr>
<tr><td>Staff Achievements</td><td colspan="4">5</td></tr>
</table>

| Category | Name of the Degree | Specialization | Year of Passing | Name of the College | Name of the University | % of Marks / Grades obtained | Class obtained |
|---|---|---|---|---|---|---|---|
| UG | B.Sc | Mathematics | 1990 | WCC, Nagercoil | Madurai kamaraj | 81% | I |
| PG | M.Sc. | Mathematics | 1992 | Vivekananda college | Manonmaniam Sundaranar University | 84% | I |
| | M.Phil. | Mathematics | 1993 | Bharathiyar University | Bharathiyar University | 68% | I |
| Ph.D. | Ph.D | Complex Analysis | 2013 | Sathyabama University | Sathyabama University | - | - |

## Educational Qualifications:

## Academic Experience:

| Name of the College | Designation | Joining Date | Relieving Date | Experience | | |
|---|---|---|---|---|---|---|
| | | | | Years | Months | Days |
| Sri Sai Ram Engineering College | Professor | 01.08.2013 | Till date | 11 | 4 | 10 |
| | Asst. Professor | 01.08.2008 | 31.07.2013 | 4 | 11 | 30 |
| | Senior Lecturer | 03.05.2006 | 31.07.2008 | 2 | 2 | 28 |
| Rajalakshmi Engineering College | Senior Lecturer | Dec 2000 | April 2006 | 5 | 4 | - |
| Dr. M.G.R. Engineering College | Lecturer | Dec 1998 | Nov 2000 | 2 | - | - |
| V.V. Vannia Perumal College for women | Lecturer | May 1996 | Oct 1998 | 2 | 5 | - |
| Navarasam Mat. Hr. Sec. School | - | April 1995 | May 1996 | 1 | 1 | - |
| | | | **Total** | **29** | **5** | **08** |

## PUBLICATIONS

### Journals:

1. On certain subclass of analytic functions, National journal of advances in computing and management (2011)
2. Ruscheweyh integral transforms applied on a subclass of Bazilevic functions, International journal of computing and mathematical applications. (2010)
3. Some properties of a subclass of analytic functions, International journal of pure and applied mathematics. (2010)
4. Coefficient Estimates for - Spiral-Like functions of order , Journal of modern mathematics and statistics. (2008)
5. An ensemble neural network model for predicting the energy utility in individual houses, Elsevier (2024)

6. A Deep Review to Find the Most Accurate Method Among KNN,RF and MLP for Predicting Alzheimer Disease,IEEE ,2024
7. Network Traffic Prediction in 4G- LTE Using Machine Learning Techniques,IEEE 2024.
8. Unveiling Blockchain's Potential with Consensus Algorithms and Real-World Applications in Supply Chain Management, IEEE 2024.
9. Optimizing Solar Energy Forecasting: A Comparative Study of ARIMA,IEEE 2024.

**Consultancy Projects:**

1. Successfully completed the consultancy project "**Optimization Techniques**" assigned by Hakate Technologies PVT LTD,Hyderabad, Rangareddi, Telangana, India 500070, from Jan 18.01.2024 -March 31.03 2024.

## Conferences:

1. 4 days International Conference on Examinations -idea 2021 Organized SkillSlate Foundations -Pune.
2. Convolution properties of some subclasses of analytic functions, International conference on mathematical modelling and applied soft computing, CIT Coimbatore (2012)
3. Ruscheweyh integral transforms applied on a subclass of spiral like functions, International conference on harmonic and quasi conformal mappings, IIT Chennai (2010)
4. Some properties of a subclass of univalent functions, National conference on applied mathematics, B.S. *Abdur* Rahman University. (2010)

## Books :

1.Machine Learning- ISBN:9789360105013-Prime International (Nov 2023).

## Workshops:

1. A One-Day hands- on training in R- programming at Sri Sai Ram Engineering College, Chennai on 19th Oct 2021.
2. Workshop on "Intellectual Property Rights & Innovations" at Sri Sai Ram Engineering College, Chennai on 20th July 2019.
3. Workshop on Advances in applied engineering mathematics organized by SSN engineering college during 4th September - 5th September 2015
4. Workshop on fuzzy logic & queuing theory organized by Sairam institute of technology on 20th April 2012.
5. National workshop on mathematical software's organized by SRM University during 22nd October - 23rd October 2009.
6. National conference on applied mathematics organized by Crescent engineering college during 3rd January - 4th January 2008.

7. National conference on mathematical techniques and applications organized by SRM University during 5th January - 6th January 2007
8. International conference on geometric function theory and special functions and applications organized by Bharathidasan Govt. College for women Pondicherry during 2nd January - 5th January 2006
9. International workshop on quasi conformal mappings and their applications organized by IIT Madras during 27th Dec - 1st Jan 2006.
10. Workshop on theory of computation organized by SSN College of engineering during 21st April - 30th April 2003.
11. Instructional workshop on wavelets and their applications organized by Anna University during 4th Jan - 8th Jan 2002.

**FDP:**

1. FDP on Innovation in Teaching Pedagogy at Sri Sai Ram Engineering College, Chennai from 10th December – 14th December 2019
2. Internal auditor training on Quality management system and audit training held in Sri Sairam engineering college during 11th October - 12th October 2011.
3. Participated in STTP on applications of mathematical tools for industrial problems organized by ISTE during 29th November - 3rd December 2004.
4. Participated in the short course on student guidance and counseling conducted by National institute of technical teachers training and research during 14th June - 16th June 2004.
5. Participated in the ISTE sponsored seminar on Queuing and reliability during 26th July - 28th July.
6. Participated in the two day Faculty Development Program on GOAL SETTING conducted by ICT Academy on 20th and 21st of December 2018 at Sri Sairam Engineering College, Chennai.
7. Participated in the Five day Faculty Development Program on Machine learning and Health care conducted by Sri Sairam Institute of Technology from 09.01.2023 to 13.01.2023.
8. Participated in the Five day Faculty Development Program on Mathematical foundations for Data science conducted by IIT Madras from 31.10.2022 to 04.11.2022.
9. Participated in the Five day Faculty Development Program on Recent Advances in Applied Mathematics conducted by Sri Manakula vinayagar engineering college,Puducherry from 04.09.202 to 08.09.2023.
10. Participated in the Five day Faculty Development Program on Applications of Transform Techniques in Engineering Mathematics conducted by NITTTR- Chennai from 11.03.2024 to 15.03.2024.
11. Participated in the Six day Faculty Development Program on Emerging Trends in Artificial Intelligence : Innovations and Applications Applications conducted by Sri Sairam Engineering College- Chennai from 16.12.2024 to 21.12.2024.

## Online Courses:

1. Successfully completed the online NPTEL course Mathematical Modeling and its Applications on Jul - Dec 2018 with elite grade
2. Successfully completed the online NPTEL course Mathematical Methods and its Applications on Jan - Apr 2019 with elite + silver (FDP)
3. Successfully completed the online NPTEL course Advanced engineering Mathematics on Jan - Apr 2019 with elite grade. (FDP)
4. Successfully completed the online NPTEL course Mathematical Methods for Boundary Value Problems on July – Dec (FDP)
5. Successfully completed the online NPTEL course Introduction to rings and fields on Jan 20 - April 20.
6. Completed the online course Covid-19: What you need to know (CME eligible) (Coursera) on 10.05.2020 at Osmasis.org.
7. Completed the online course Mathematics for Machine learning-Linear algebra (Coursera) on 22.05.2020 at Imperial College. London.
8. Completed the online course Mathematics for Machine learning-Multivariate Calculus (Coursera) on 05.06.2020 at Imperial College. London
9. Completed the online course Mathematics for Machine learning-PCA.
10. Completed the online course Mathematics for Machine learning (Coursera) on 19.06.2020 at Imperial College. London.
11. Completed the online course Data Science Math Skills (Coursera) on 25.05.2020 at Duke University.
12. Completed the online course Introduction to graph theory (Coursera) on 02.06.2020 at US San Diego Higher School of Economics.
13. Completed the online course Sustainable agricultural land management (Coursera) on 04.06.2020 at University of Florida.
14. Completed the online course Introduction to calculus (Coursera) on 09.06.2020 at The University of Sydney.
15. Completed the online course Introduction to complex analysis (Coursera) on 07.07.2020.
16. Completed the online course Fibonacci numbers and golden ratio (Coursera) on 19.07.2020 at The Hong Kong University of Science and Technology.
17. Completed the online course Fundamentals of Mathematics (Udmey) on 28.03.2020.
18. Completed the online course discrete mathematics (Udmey) on 08.05.2020.
19. Completed the online course Big data and Analytic primer path way (Future skills) on April 2020.
20. Completed the online course Artificial Intelligence primer path way (Future skills) on March2020.
21. Completed the online course Statistics and R (edx) on July2020.
22. Successfully completed the online NPTEL course Essential Mathematics for Machine learning

July – Oct 2021 with elite grade (FDP).

23. Successfully completed the online ATAL-FDP course Sustainability Engineering from 07.09.2020 - 11.09.2020
24. Successfully completed the online ATAL-FDP course Stress Management from 02.11.2020 - 06.11.2020.
25. Successfully completed the online ATAL-FDP course Mathematics for Data Sciences from 26.07.21-30.07.2021.
26. Successfully completed the online orientation training programme for mentors organized by AICTE from 14.06.2021 - 18.06.2021.
27. Successfully completed the online NITTT Module - 6 (Student Assessment and Evaluation) in December 2021.
28. Successfully completed the online NITTT Module-1(Orientation towards Technical Education and Curriculum aspects) in July 2022.
29. Successfully completed the online NITTT Module-2(Professional Ethics and Sustainability) in July 2022.
30. Successfully completed the online NITTT Module-5(Technology Enabled Learning and Lifelong Self Learning.) in July 2022.
31. Successfully completed the online NITTT Module-7(Creative Problem Solving,Innovation and Meaning full R&D) in July 2022.
32. Successfully completed the online NITTT Module-3(Communication skills,Modes and Knowledge Dissemination) in February 2023.
33. Successfully completed the online NITTT Module-4(Instructional Planning and Delivery) in February 2023.
34. Successfully completed the online NITTT Module-8(Institutional Management and Administrative Procedures) in February 2023
35. Successfully completed the online NPTEL course Introduction to Machine Learning (Tamil)(Elite) on Jul - Sep2022 .
36. Successfully completed the online NPTEL course Introduction to Machine learning Jan – April 2023 (Elite)(FDP).
37. Successfully completed the online NPTEL course Deep Learning Jan – April 2023 (FDP).
38. Successfully completed the online NPTEL course Deep Learning-IIT Ropar Jan – April 2023 (Elite)(FDP).
39. Successfully completed the online NPTEL course Introduction to Machine learning July – Oct 2023 (Elite)(FDP).
40. Successfully completed the online NPTEL course Accrediction and Outcome based Education July – Oct 2023 (Elite-Silver)(FDP).
41. Successfully completed the online NPTEL course Probability for Computer Science Feb-April 2024.

42. Successfully completed the online NPTEL course Ethics in Engineering practice Feb-April 2024 (Elite-Silver).
43. Successfully completed the online NPTEL course Patent drafting for Beginners Jan- Feb2024 (Elite)(FDP)).
44. Successfully completed the online NPTEL course Data Science for Engineers Jan-Mar2024 (Elite-Silver)(FDP)& Topper of this course.
45. Successfully completed the online NPTEL course Teaching and Learning in Engineering Jan-Feb 2024 (Elite)(FDP).
46. Successfully completed the online NPTEL course Learning Analytical Tools Aug-Oct 2024 (Elite)
47. Successfully completed the online NPTEL course Development of Research Methods Aug-Oct 2024 (Elite)
48. Successfully completed the online NPTEL course Python for Data Science Jul-Aug 2024 (Elite)
49. Successfully completed the online NPTEL course Technical Communication for Engineers Jul-Aug 2024 (Elite)

## Webinars:

1. Mathematics of Covid-19 on 28.05.2020 at VIT – Chennai.
2. India First Leadership Talk webinar with Prof D. P. Singh on 09.05.2020 at MHRD'S Innovation Cell.
3. Analytics and data science on 15.05.2020 at NPTEL Special Lecture series.
4. Leadership and communication on 11.07.2020 at Sri Sai Ram Engineering College.
5. Home gardening for beginners on 10.07.2020 at Sri Sai Ram Engineering College.
6. Health Care series – I on 04.07.2020 at Sri Sai Ram Engineering College.
7. Health Care series – II on 11.07.2020 at Sri Sai Ram Engineering College.
8. Digital teaching Techniques from June 29th to July 4th at ICT Academy
9. Stochastic models of a call center on 30.07.2020 at Sri Sai Ram Engineering College.
10. Mathematics in AICTE thrust areas on 10.10.2020 at Sri Sai Ram Engineering College.
11. Applications of rough sets in data analysis on 31.10.2020 at Sri Sai Ram Engineering College.
12. Group theory on 07.11.2020 at Sri Sai Ram Engineering College.
13. Problem solving and ideation workshop on 09.01.2021 at Sri Sai Ram Engineering College.
14. Intellectual property rights with focus on patents in mathematics on 03.02.2021 at Sri Sai Ram Engineering College.
15. Dream your future now….. on 14.03.2021 at Sri Sai Ram Engineering College.

16. An introduction to deep learning for processing and analysis of X-ray imaging data on 14.07.2021 at Sri Sai Ram Engineering College.