Name: Dr.K.Subathra	Photo

Designation:	Professor
Qualification:	M.Sc,M.Phil ,Ph.D
Area of specialization:	Complex Analysis

Experience:	Industrial Experience	Teaching Experience
	-	29

Number of workshops / FDP attended:	Number of Workshops	Number of FDPs
	11	23

Publications:	Conference		Journal	
	National	International	National	International
	3	2	3	5

Books / Book Chapters		

Patents:	National	International
	3	

Professional Body Membership	2
Staff Achievements	5

Educational Qualifications:

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	-	-

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience Years	Experience Months	Experience 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 19ʰ 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.*