



# Sri Sai Ram Engineering College

## Department Of Humanities And Sciences

Name : **Dr. K. SUBATHRA**



Department	Mathematics
Designation	Professor
Qualification	M.Sc, M.Phil., Ph.D
Area of Specialization	Complex Analysis
Experience	Teaching : UG : 27 yrs PG : 19 yrs
	Industry : -
No. of Workshop / Conferences / FDP attended	18
Publication :	Journal National : 1 International : 3
	Conference National : 1 International : 2

Research Guidance :	
General :	
Staff Achievements	<ol style="list-style-type: none"> <li>1. Selected as a resource person for the bridge course conducted by Anna University, Chennai in June 2013.</li> <li>2. Inaugural address delivered on “DECENNIAL ENIGMA” program conducted by Madras Christian College, Chennai on 20<sup>th</sup> January 2015</li> <li>3. Acted as a session chair in the National Conference on RECENT TRENDS IN COMPUTER SCIENCE AND MATHEMATICS organized by the School of Computer Information And Mathematical sciences.</li> </ol>

**Educational Qualification:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grade s 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: As on 31.04.2022**

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College	Professor	01.08.2013	Till date	9	1	00
	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	-
<b>Total</b>				<b>27</b>	<b>2</b>	<b>28</b>

## 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  $\alpha - \Sigma$  Spiral-Like functions of order  $\alpha$ , Journal of modern mathematics and statistics. (2008)

### 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)

### Workshops:

1. A One-Day hands- on training in R- programming at Sri Sai Ram Engineering College, Chennai on 19<sup>h</sup> Oct 2021.
2. Workshop on “Intellectual Property Rights & Innovations” at Sri Sai Ram Engineering College, Chennai on 20<sup>th</sup> July 2019.
3. Workshop on Advances in applied engineering mathematics organized by SSN engineering college during 4<sup>th</sup> September - 5<sup>th</sup> September 2015
4. Workshop on fuzzy logic & queuing theory organized by Sairam institute of technology on 20<sup>th</sup> April 2012.
5. National workshop on mathematical software’s organized by SRM University during 22<sup>nd</sup> October - 23<sup>rd</sup> October 2009.
6. National conference on applied mathematics organized by Crescent engineering college during 3<sup>rd</sup> January - 4<sup>th</sup> January 2008.
7. National conference on mathematical techniques and applications organized by SRM University during 5<sup>th</sup> January - 6<sup>th</sup> January 2007

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

### **FDP:**

1. FDP on Innovation in Teaching Pedagogy at Sri Sai Ram Engineering College, Chennai from 10<sup>th</sup> December – 14<sup>th</sup> December 2019
2. Internal auditor training on Quality management system and audit training held in Sri Sairam engineering college during 11<sup>th</sup> October - 12<sup>th</sup> October 2011.
3. Participated in STTP on applications of mathematical tools for industrial problems organized by ISTE during 29<sup>th</sup> November - 3<sup>rd</sup> December 2004.
4. Participated in the short course on student guidance and counseling conducted by National institute of technical teachers training and research during 14<sup>th</sup> June - 16<sup>th</sup> June 2004.
5. Participated in the ISTE sponsored seminar on Queuing and reliability during 26<sup>th</sup> July - 28<sup>th</sup> July.
6. Participated in the two day Faculty Development Program on GOAL SETTING conducted by ICT Academy on 20<sup>th</sup> and 21<sup>st</sup> of December 2018 at Sri Sairam Engineering College, Chennai.

### **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](https://www.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 (Udmy) on 28.03.2020.
18. Completed the online course discrete mathematics (Udmy) 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 on 01.12.2021
28. Successfully completed the online NPTEL course Introduction to Machine Learning on Jul – Sep 2022 .

### **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 centre 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.