

## Sri Sai Ram Engineering College

### Department Of Humanities And Sciences

Name : **Dr. S.K. UMAMAHESWARAN**



Designation :

Professor

Qualification :

M.Sc., M.Phil., B.Ed., Ph.D.,

LMISTE

Area of Specialization :

PG : Functional Analysis

PhD : Design of Expert System (A.I.)

Experience :

Teaching : UG : 28 yrs 20days

PG : 14 yrs

Industry : Nil

No. of Workshop / Conferences / FDP  
attended / Online Course Completed

27

Publication :

Journal

National : 4

International : 4

	<p><i>Conference</i></p> <p><i>National : 1</i></p> <p><i>International : 10</i></p>
<i>Research Guidance :</i>	<i>Nil</i>
<i>Membership of professional bodies :</i>	<ul style="list-style-type: none"> <li>● <i>Life member of Indian Mathematical Society.</i></li> <li>● <i>Life member of Ramanujam Mathematical Society</i></li> <li>● <i>Life member of ISTE</i></li> <li>● <i>Life Member of Association of Mathematics teachers of India.</i></li> </ul>

<p><i>General :</i></p>	<ul style="list-style-type: none"> <li>● <i>Nodal Officer UBA Since 2017</i></li> <li>● <i>NSS Programme officer since 1997</i></li> <li>● <i>Conducted 19 (thirteen) NSS special camps (10 days each)</i></li> <li>● <i>Member of editorial of college magazine 'Magsai' since its inception</i></li> <li>● <i>Member of college transport committee &amp; bus in charge of K.K Nagar route.</i></li> </ul>
<p><i>Staff Achievements :</i></p>	<p><i>Achieved 100% result 6 times in Anna University Examination in various Mathematics Courses.</i></p>

**Educational Qualification:**

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	1988	Thiagarajar College Madurai	Madurai Kamaraj University	74	I
PG	M.Sc.	Mathematics	1990	Thiagarajar College Madurai	Madurai Kamaraj University	81	I
	M.Phil.	Functional Analysis	1991	-	School of Mathematics, Madurai Kamaraj University	59	II
Ph.D.		AI Applications	2009	Sathya Bama University	Sathya Bama University	-	-

### Academic Experience : As on 31-3-2022

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Madurai Kamarajar University College, Madurai.	Lecturer	1994	1996	2	-	-
Sri Sairam Engineering College	Lecturer	12.8.1996	2001	5	-	-
	Sr. Lecturer	2001	2005	4	-	-
	Asst. Professor	2005	2009	4	-	-
	Professor	2009	TILL	13	0	20
<b>Total</b>				<b>28</b>	<b>0</b>	<b>20</b>

### PUBLICATIONS

#### Journal:

1. Umamaheswaran S K, Meenatchi Sundaram M and Rajasek aran. S. 'A study on controlling Hospital acquired Infections: A know ledge based system approach', (2007).Information Technology Journal, Vol.6, No.1, pp.129-134.
2. Umamaheswaran S K and Rajasekaran S. 'Framework for developing Infection Control Surveillance: A knowledge discovery approach' (2007). The Icfai Journal of Systems management, Vol.5, No.3, pp.48-61.

3. Umamaheswaran,S.K., 'Knowledge based fault diagnosis system for sensor fault detection and isolation of industrial plants'(2010). *International journal of applied mathematics*, Vol.23, No.1, pp.43-53.
4. Umamaheswaran.S.K., 'Statistical process control analysis for monitoring dangerous hospital acquired infections',(2009). *International journal of pure and applied mathematics*.Vol.57, No.4, pp.593-603.
5. Umamaheswaran.S.K., *Frame work for developing an Expert System for car fault diagnosis*.(2009). *Journal on future engineering and technology*. Vol.5,. No.2, pp.17-24.
6. Umamaheswaran.S.K., *Online fault deduction and isolation of industrial plants- An algebraic and artificial intelligence analysis*.(2010). *International journal of design and manufacturing technologies*. Vol.4, No.1, pp.47-56.

### **Conferences:**

1. Umamaheswaran S K and Rajasekaran S. 'Monitoring Dangerous Nosocomial Infection: A knowledge based Expert System approach' (2006), *Proceedings of first International Conference on Frontier Technologies - Need for the Industry, Business and education*'. ISTE. Adhiyamaan College of Engineering, Hosur, pp.179-184.
2. Umamaheswaran S K and Rajasekaran S. 'An Artificial Intelligence approach for developing Infection Control Surveillance System'(2006). *Proceedings of IEEE National Conference on Information Communication Conversance*, B.S. Abdur Rahman Crescent Engineering College, Chennai, pp.84-93.
3. Umamaheswaran S K and Rajasekaran S, 'Design of Expert System for Antibiotic Resistance for Controlling hospital acquired Infections'(2006). *Proceedings of National Conference of Emerging Technologies & applications Computer Science Department of Saurashtra University, Rajkot*, pp.127-134.
4. Umamaheswaran S K and Rajasekaran S, 'Statistical process control – A tool for quality improvement' (2009).*International conference on Digital Factory (2008)*, CIT, Coimbatore. Pp. 1232-1239.

### **Workshop:**

1. Attended ten day workshop on "Graph Theory and Neural work" organized by Department of Mathematics & Computer Application, Sri Venkateshwara College of Engineering, Sri perumpadur, Chennai during March 2001.
2. "One Day Orientation workshop for NSS Program Officers" Organized by Anna University, Chennai on 8<sup>th</sup> June 2019
3. Attended two days National workshop on "Socially Relevant Technical Education : Exploring Cooperation Oriented Action" Organized by IIIT Sri City Chittoor & NITTTR Chennai on 6<sup>th</sup> Dec 2019 & 7<sup>th</sup> Dec 2019

4. *Attended one day workshop on “Regional Workshop for the Orientation of Participating Institute to Initiate work in the Adopted village Clusters” Organized by MHRD & SRM Institute of Science and Technology on 25<sup>th</sup> Jan 2020*
5. *One Day Orientation workshop for NSS Program Officers” Organized by Anna University, Chennai on 5<sup>th</sup> March 2020*
6. *Attended one day workshop on “Launching a New framework of UBA 2.0 & Orientation Workshop” Organized by IIT Delhi & MHRD on 25<sup>th</sup> April 2020*
7. *Attended one day workshop on “Planning of UBA activities in Village Clusters adapted by Participating Institutes” Organized by MHRD & IIT Madras on 6<sup>th</sup> Aug 2020*

### **Online Course:**

1. *Course titled “Statistics for Data Science and Business Analysis” offered by (Udemy) 22.11.2019*
2. *Course titled “Statistics Made Easy by Example for Analytic /Data Science” offered by (Udemy) 15.12.2019*
3. *Course titled “Business Analytics for Decision Making” offered by University of Colorado (Coursera), 13.05.2020*
4. *Course titled “The Sustainable Development Goals- A global, transdisciplinary vision for the future offered by (Coursera), University of Copenhagen 16.05.2020*
5. *Course titled “AI for Everyone” offered by (Coursera), deeplearning.ai 22.05.2020*
6. *Course titled “Deep Learning for Business” offered by (Coursera), Yonsei University 29.05.2020*
7. *Course titled “Structuring Machine Learning Projects” offered by (Coursera), deeplearning.ai 28.05.2020*
8. *Course titled “Introduction to Search Engine Optimization” offered by (Coursera), University of California Davis 02.06.2020*
9. *Course titled “Leadership And Emotional Intelligence” offered by (Coursera), Indian Business School 03.06.2020*
10. *Course titled “Introduction to Cloud Identity” offered by Google Cloud 06.06.2020*