


Sri Sai Ram Engineering College

Department Of Humanities And Sciences

Name :	Dr. S.K.UMAMAHESWARAN 
Designation:	Professor
Qualification :	M.Sc. ,M.Phil ,B.Ed ,PhD , LMISTE, LMIMA
Area of Specialisation :	PG: Functional Analysis PhD: Design of Expert System (A.I.)
Experience :	Teaching : UG: 15 yrs PG : 9 yrs
	Industry : - yrs
No. of workshop / Conferences / FDP attended :	2
Publication :	Journal National : 2 International : 4
	Conference

	<p>National : 1</p> <p>International : 4</p>
Research Guidance :	<p>Guiding 1 PG Student</p> <p>1 PhD Student</p>
Membership of professional bodies:	<ul style="list-style-type: none"> • Life member of Indian Mathematical Society. • Life member of Ramanujam Mathematical Society • Life member of ISTE • Life Member of Assosiation of Mathematics teachers of India.
General :	<ul style="list-style-type: none"> • NSS Programme officer since 1997 • Conducted Ten NSS special camps (10 days each) • Member of editorial of college magazine 'Magsai' since its Inception • Member of college transport committee & bus incharge of K.K Nagar route.
Staff Achivements:	<ul style="list-style-type: none"> • Achieved 100% result 4 times in University Examination in Engineering Mathematics subjects.

PUBLICATIONS:

JOURNAL:

1. Umamaheswaran S K, Meenatchi Sundaram M and Rajasekaran. S. 'A study on controlling Hospital acquired Infections: A knowledge 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.