

**SASTRA UNIVERSITY**  
**FACULTY PROFILE OF DIRECTORATE OF DISTANCE**  
**EDUCATION**

Tirumalaisamudram

Thanjavur, Tamilnadu

**FACULTY PROFILE OF Dr N S SESHADRI**

**Dr.N. SESHADRI**

**Designation:** Professor and Director

**Qualifications:** M. A., M.Ed., Ph.D.

**Email:** seshadri@dde.sastra.edu



Total teaching experience

: UG – 47 yrs.

PG – 40 yrs Research – 20 years.

Position held

: 1. Principal of National College,  
Tiruchirapalli from Feb 1999 to July  
2003.

: Principal of Swami Dayananda College of  
Arts and Science, Manjakudi, Tiruvarur  
District from September 2003 to  
February 2008.

: Professor and Director, Directorate of  
Distance Education, SASTRA University  
from 1-3-2008.

### **Academic Achievements:**

- Guided eight Ph. D Scholars in Inter Disciplinary Programmes. Two of them are about electronic media one is on Educational Technology and the fourth one is on Environmental Awareness.
- Guided fifty M. Phil Scholars.
- Conducted Ph.D. Public Viva voce Examinations of Madurai, Madras, and Annamalai Universities.
- Member of the Standing Committee on Academic Affairs from the Principals Constituency of Bharathidasan University, Trichy for three year from 1999 to 2002.
- Senate Member of Bharathidasan University, Trichy for more than twelve years (1989-1991, 1996-2008)
- Attended the U.G.C sponsored National Level workshop on Curriculum Development process at Bharathidasan University from 1-3-88 to 5-3-88.
- Prepared a hand out on futurology for Bharathidasan University in 1989.
- Vice-chancellor's nominee in the grant of affiliation to M.A., M. Phil., and Ph. D., Programmes in Tamil to Various Institutions.
- Expert committee members in the selection of college teachers of Bharathidasan University, Trichy.
- Presented lesson material for M.A. of Bharathidasan and Madurai Kamaraj Universities in Journalism and Mass Communications.
- Served as an expert in the selection of best books for publication of Tamilnadu Government in 1998.
- Served as a faculty member of Indian Languages of Annamalai University for three years from 2000-2003.
- Served as an expert in the selection of N.C.C. Officers of Tamilnadu for three years from 2000-2003.

- Served as a member of the College Advisory Council of Tamilnadu Agricultural University for three year from 2002.
- Presented a paper on the “Cauvery River in Tanjore Delta – A vision from Tamil Literature in the colloquium conducted by the centre for remote sensing of Bharathidasan University on 19-07-2002.
- Presented a paper on “Intellect behind the Aesthetic” in the Eighth International Conference held at Tamil University Thanjavur 1995.
- Served as a Resource person for coaching SC/ST/OBC/Minorities under SMDG college during XI plan period of UGC at Govt. Udumalpet on 16.05.2010 for NET and SLET Examinations
- Presented a paper on “Multi Disciplinary approach to Silapadigaram at the National Seminar organized by the International Institute of Tamil Studies (IITS) and Central Institute of classical Tamil Research at Chennai on 27.11.2010
- Presented a paper on Geological perceptions in Ancient Tamil Literature in the National level work shop conducted by the Faculty of Earth Sciences Tamil University and the central Institute for classical Tamil Institute on 10.02.2011
- Delivered key note address in the inaugural function of the Refresher and Orientation courses of UGC Academic Staff College of Pondicherry University, Pondicherry on 16.02.2011.
- Presented a paper on the ornithological approach to classical Tamil Literature in the National Seminar organized by the Dept. of Environmental studies Tamil University and the Central Institute of classical Tamil Research, Chennai on 30.03.2011 at Tamil University.
- Delivered a guest lecture on Character based Teacher Education in the one day National Conference held on 29.10.2010 at Alagappa University, Karaikudi.
- Delivered special lecture on the significance of Accent, intonation, stress and juncture in Tamil to the announcers of All India Radio, Trichy organized by Prasar Bharathi, New Delhi on 22.03.2011.
- Presented a paper on “Preferred Future Science Education in Indian Class Rooms” in the National Conference of Science held at Kongu College, Coimbatore on 15.12.2012.

- Organised a two day workshop on “Technology Enabled Learning for Teacher Educators” on 18.12.2012 & 19.12.2012 at Sastra University, Tirumalaisamudram.
- Acted as a resource person for the one day National Level Workshop on “Strategic Teaching Quality Management for Technical Teachers” (STQM-13) on 16.03.2013 at Anna University Regional Centre, BIT Campus, Tiruchirappalli -24.
- Presented a paper on the Maintenance of Quality in Higher Education in India to the journal of the Academic Staff College of Madurai Kamarajar University, Madurai on 31.03.2013.
- Served as an Expert Committee Member in the Selection of News Readers of Doordarshan Kendra, Chennai on 27.05.2013 & 28.05.2013.
- Member of the Academic Council of Madurai Kamaraj University, Madurai as Governors nominee for a period of three years from 16<sup>th</sup> March 2010 to 15<sup>th</sup> March 2013.
- Member of Academic Council of National College (Autonomous) Trichy for three years from 21/01/2013.
- Served as a Resource person for the Orientation and Refresher Courses for University and College Teachers Conducted the U.G.C Academic staff colleges of Tamilnadu, Kerala Universities for more than 275 times.

### **Contribution to Media:**

- Telecast a thirteen episode serial entitled “Iruttai Virattum Velichengal “over Doordarshan Kendra Chennai from Nov 1993 to Feb 1994.
- Programme Advisory Committee member of All India Radio, Trichy for two years from 1986 to 1988.
- Common Wealth members for two years in the Indian Chapter of Common Wealth Association for Education in Journalism and Communication.
- Presented a Video Class based on text to MA students of Bharathidasan University in 1989.
- Member of the committee in the preparation of curriculum for Diploma in Journalism.
- Served as a Resource Person in the workshop conducted by Prasar Bharathi Regional Training Institute, All India Radio, Thiruvananthapuram on 19-02-2003 at Trichy AIR.

- Translated poems and scripts for Akashwani Awards.
- Conducted the recorded humour chat before invited audience on 14-04-2003 for one hour organized by AIR Kodaikkanal.
- Presented a script on the contribution of Tamilnadu in the freedom struggle for AIR Trichy of one hour duration b'cast in connection with Golden Jubilee celebrations of Independence of India on 15-08-1997 at 9.30 PM.
- B'cast one act plays, reviews, thought for the day, Features and other spoken work programmes for more than 100 times over AIR Tamilnadu and Pondicherry states.
- Presented script for the special programme Kaalathai Vendra Kalaivanar in connection with the centenary celebration of N.S.Krishnan to Doordarshan Chennai for a duration of 90 minutes Telecast on 29-11-08.
- Telecast more than 50 programmes over DDK Chennai which include plays, book reviews, literary discourse views on world classical Tamil Conference.
- Served as a panel member in the selection of Announces and News Readers for All India Radio and Doordarshan for the past five years.
- Presented a paper on the Cinematic Eye of Commercial Tamil Films in the World Classical Tamil Conference on 24-06-2010 at 2.30 PM in Nappoothanar Arangam at Coimbatore.
- Reviewed the performance of M.L.Vasanthakumari, Seergazhi Govindarajan, K.J.Yesudoss, Lalgudi Jayaraman, Radha Jayalakshmi, Nithyasri Mahadevan, Pratheepa prahlad, Flute Ramani, D.K.Jayaraman, T.V.Sankaranarayanan, Mandolin Srinivas, Maharajapuram Santhanam, Namagrippettai Krishnan, Shankar Gaekward M.Chandrasekaran and Umaiyapuram Sivaraman in Indian Express.
- Screening committee member in the selection of sponsored programmes in Doordarshan Kendra,Chennai.
- Served as the chairman of setting Board of M.A Journalism and Mass Communication of Madurai Kamaraj University.
- Published a detailed story in Dinamani about the significance of International Tamil Conferences.
- Reviewed the film Gandhi produced by Atten Borough in Dinamalar.

- Delivered a special lecture on the relevance of Literature, History and Sociology in Journalism to the students of U.G.C sponsored programme on Journalism at National College Trichy on 10.03.2011.
- Translated the speech of former Prime Minister Mrs.Indira Gandhi at Cancun for All India Radio Trichy.

## FACULTY PROFILE Dr.S.SELVAVINAYAGAM

**Dr.S.SELVAVINAYAGAM**

**Designation:** Professor

**Qualifications:** M. A.,(Eng.) M.A.,(Tamil) M.A.,(Sans.) M.Ed., Ph.D.

**Email:** selvavinayagam@dde.sastra.edu



Total teaching experience : 40 YEARS

Position held :

1. D.E.O of Elementary Education
2. Deputy Director of School Education
3. Chief Educational Officer
4. Joint Director of Matriculation Schools.

Wrote Study Materials: :

1. Teaching Methodology Book in SIM Pattern
2. Text Book for BA Astrology Programme Part-I Paper-I & II. (SIM Pattern).

Member of the Expert Committee : M.A., Astrology Programme.

Member of the Review Committee : B.A., Astrology Text Books.

Books published the following :

1. The Concept of One World of the ancient Tamils.
2. An inquiry into the Structure and Sprit of Silappathikaram.

## FACULTY PROFILE OF DR. KANNAN .K

**DR. KANNAN .K**

**Designation: Professor**

**Qualifications: M.Sc.,M.Phil.,M.Ed,Ph.D**

**Email: [kkannan@maths.sastra.edu](mailto:kkannan@maths.sastra.edu)**



### **Area of Interest:**

Computational Fluid Dynamics,

Image Processing,

Algorithms,

Wavelet Transforms,

Hypergraphs,

Artificial Neural Network,

Stochastic Process.

### **National/International Conference Presentation Details**

#### **International Conferences**

- 1) International Conference on “Number theory and Automorphic Forms” - 22nd December 2010.
- 2) International Conference on “Number theory and Mock - Theta unctions” – 22nd December 2009
- 3) International Conference on “Number theory and Modular Forms” – 20th , 21st and 22nd December 2008.

4) International Conference on “Number theory, theoretical Physics and Special functions” – 20th , 21st and 22nd December 2007.

5) International Conference on “Number theory and Combinatorics” – 19th, 20th , 21st and 22nd December 2006.

6) International Conference on “Number theory and Mathematical Physics” – 20th , 21st December 2005.

7) International Conference on “Number theory and Fourier Techniques Modular Forms” – 20th , 21st December 2004.

8) International Conference on “Number theory and Secure Communications” – 20th , 21st December 2003.

**National conferences:**

1) Participated and presented a research paper titled "Unsteady flow of a dusty viscous fluid through a circular cylinder, in National conference IIT , Madras 1999

2) National Conference on “Vedas and Sciences” – February, 2010.

**Ongoing Research Projects**

<b>Title</b>	<b>Name</b>	<b>Date</b>	<b>Authors</b>
Numerical solution of Stoke's problem for Free Convection effects in dissipative dusty medium	International journal of Mathematics and Mathematical Sciences.	2004	V.VENKATARAMAN K.KANNAN
Induced dusty flow due to normal oscillation of the wavy wall	International journal of Mathematics and Mathematical	2001	K.Kannan, V Ramamurthy
Three dimensional quantum effects in nanoMOSFETs	International Conference of Recent Advances in Microwave Theory and Applications, MICROWAVE 2008	2008	Ramesh, R., Madheswaran, M., Kannan, K.
A genetic algorithm-based artificial neural network model for the optimization of machining processes	Neural Computing and Applications,	2009	Venkatesan, D., Kannan, K., Saravanan, R.
On improving the performance of promoter prediction classifier for eukaryotes using fuzzy based distribution balanced stratified method	Advances in Computing, Control, & Telecommunication Technologies, 2009	2009	Premalatha, C. Aravindan C. Kannan, K
Approximating maximum weighted independent set using vertex support	World Academy of Science, Engineering and Technology	2009	S.Balaji, V.Swaminathan, K.Kannan

Bounds On The Second Stage Spectral Radius Of Graphs	World Academy of Science, Engineering and Technology	2009	S.K.Ayyaswamy, S.Balachandran and K.Kannan
Optimisation of unweighted vertex cover	World Academy of Science, Engineering and Technology	2010	S.Balaji, V.Swaminathan, K.Kannan
Optical Effects in the Characteristics of a Nanoscale FinFET.	PIER B	2010	Ramesh, R., Madheswaran, M., Kannan, K.
A Simple Algorithm for Maximum Clique and Matching Protein Structures	International Journal of Combinatorial Optimization Problems and Informatics	2010	S.Balaji, V.Swaminathan, K.Kannan
A Simple Algorithm to Optimize Maximum Independent Set	AMO – Advanced Modeling and Optimization	2010	S.Balaji, V.Swaminathan, K.Kannan
Free convection in an infinite porous dusty medium induced by pulsating point heat source	World Academy of Science, Engineering and Technology	2009	Kannan, K., Venkataraman, V.
Unsteady Flow Of A Dusty Viscous Fluid In A Rotating Channel In The Presence Of Transverse Magnetic Field.	Global Journal of Science Frontier Research	2010	V. Venkataraman, K. Kannan
Optical effects in the characteristics of uniformly doped nanoscale FinFET	Journal of Nanoelectronics and Optoelectronics,	2010	Ramesh, R., Madheswaran, M., Kannan, K.
A WKB interpolation-Wavelet method for 3-D Numerical	Journal of Optoelectronics and	2010	Ramesh, R., Madheswaran, M.,

simulation of nanoscale FinFET photodetector including quantum mechanical effects	Advanced Materials		Kannan, K.
Free convection in an infinite porous dusty medium induced by pulsating point heat source	International Journal of Computational and Mathematical Sciences,	2010	Kannan, K., Venkataraman, V.
Optical effects on the characteristics of a nanoscale finfet	Progress In Electromagnetics Research B,	2010	Ramesh, R., Madheswaran, M., Kannan, K.
Root mean square filter for noisy images based on hyper graph model	Image and Vision Computing,	2010	Kannan, K., Kanna, B.R., Aravindan, C.
Optical characterization of biological tissues using nanoscale FinFET photodetector	Journal of Optoelectronics and Advanced Materials	2010	Ramesh, R., Madheswaran, M., Kannan, K.
An effective algorithm for minimum weighted vertex cover problem	International Journal of Computational and Mathematical Sciences	2010	Balaji, S., Swaminathan, V., Kannan, K.
Empirical Modeling and Simulation of Temporal Based Adaptive Mobility Model for MANET	Int. J. Communications, Network and System Sciences	2011	Ramesh, R., Madheswaran, M., Kannan, K.
A contour based scheme for representing arbitrary shapes in digital images	International Conference and Workshop on Emerging Trends in	2011	Kanna, B.R., Aravindan, C., Kannan, K.

	Technology 2011, ICWET 2011 - Conference Proceedings,		
Meta-Heuristic for the Set Covering Problem based on a new Genetic Algorithm	International Journal of Mathematical Sciences and Applications	2011	K.Kannan D.Venkatesan S.Raja Balachandar
A New Worst-Case bound of heuristic for Set Covering Problem	International Journal of Mathematical Sciences and Applications	2011	S.Raja Balachandar K.Kannan S.K.Ayyaswamy
Numerical simulation of nanoscale FinFET photodetector for optimal detection of biological signals using interpolating wavelets	Progress In Electromagnetics Research B.	2011	Ramesh, R., Madheswaran, M., Kannan, K
Image-based area estimation of any connected region using y- convex region decomposition	AEU - International Journal of Electronics and Communications,	2011	Rajesh Kanna, B., Aravindan, C., Kannan, K.
3-D Numerical modeling and simulation of Nanoscale FinFET for the application in ULSI circuits.- Article in Press	PhysicaE : Low dimensional Systems and Nanostructures	2011	Ramesh, R., Madheswaran, M., Kannan, K.
Self-consistent 3-D numerical modeling of a uniformly doped nanoscale FinFET using interpolating wavelets	Journal of Computational Electronics,	2011	Ramesh, R., Madheswaran.M Kannan, K.
The wavelet methods to linear	Journal of	2013	Mahalakshmi, M., Hariharan, G.,

and nonlinear reaction-diffusion model arising in mathematical chemistry	Mathematical Chemistry		Kannan, K.
Optical effects on the characteristics of GaAs nanoscale FinFET with vertical Gaussian doping profile	Optik	2013	Ramesh, R., Madheswaran, M., Kannan, K.
Review of wavelet methods for the solution of reaction-diffusion problems in science and engineering	Applied Mathematical Modelling	2013	Hariharan, G., Kannan, K
Generalized tree of hanging stars	International Journal of Pure and Applied Mathematics	2013	Sathiamoorthy, G., Raja Balachandar, S., Janakiraman, T.N., Kannan, K., Ayyaswamy, S.K.
5 An overview of Haar wavelet method for solving differential and integral equations	World Applied Sciences Journal	2013	Hariharan, G and Kannan K
A computational model for enhancing recombinant Penicillin G Acylase production from Escherichia coli DH5 $\alpha$	Computational Biology and Chemistry	2012	Premalatha, C., Aravindan, C., Karthikeyan, R., Kannan, K., Surianarayanan, M.
A new polynomial method for solving fredholm - volterra integral equations	International Journal of Engineering and Technology 5	2013	Krishnaveni, K., Kannan, K., Raja Balachandar, S.
Approximate analytical solution for fractional population growth model	International Journal of Engineering and Technology 5	2013	Krishnaveni, K., Kannan, K., Raja Balachandar, S.

9 Wavelet solution for class of nonlinear integro-differential equations	Indian Journal of Science and Technology	2013	Venkatesh, S.G., Ayyaswamy, S.K., Raja Balachandar, S., Kannan, K.
An efficient wavelet based approximation method for a few second order differential equations arising in science and engineering	International Journal of Engineering and Technology 5	2013	Padma, S., Hariharan, G., Kannan, K
A Comparative Study of a Haar Wavelet method and a restrictive Taylor Series Method for solving convection-diffusion equations	International Journal for Computational Methods in Engineering Science and Mechanics	2010	Hariharan, G and Kannan K
11 Homotopy analysis method to water quality model in a uniform channel	Applied Mathematical Sciences	2013	Padma, S., Hariharan, G., Kannan, K., Srikanth, R.
Newton's law of Gravity-based search algorithms	Indian Journal of Science and Technology	2013	Raja Balachandar, S., Kannan, K.
X-Domatic partition of bipartite graphs	Research Journal of Applied Sciences, Engineering and Technology	2013	Venkatakrishnan, Y.B., Swaminathan, V., Kannan, K.
Effectiveness of partition and graph theoretic clustering algorithms for multiple source partial discharge pattern classification using probabilistic neural network and its adaptive version: A critique based on experimental	Journal of Electrical and Computer Engineering	2012	Venkatesh, S., Gopal, S., Kannan, K.

studies

Legendre wavelets based approximation method for cauchy problems	Applied Mathematical Sciences	2012	Venkatesh, S.G., Ayyaswamy, S.K., Raja Balachandar, S., Kannan, K
Hypergraph-based segmentation and edge detection in gray images	Far East Journal of Mathematical Sciences	2012	Dharmarajan, R., Kannan, K.
4 Optimization of fidelity in digital image watermarking using a new genetic algorithm	Applied Mathematical Sciences	2012	Venkatesan, D., Kannan, K., Raja Balachandar, S.
Approximate analytical solutions of two dimensional transient heat conduction equations	Applied Mathematical Sciences	2012	Mahalakshmi, M., Rajaraman, R., Hariharan, G., Kannan, K.
Dynamic pattern recognition approach for partial discharge signature analysis using hidden Markov models: A critique based on experimental investigations	International Review of Electrical Engineering	2012	Venkatesh, S., Gopal, S., Kannan, K.
Two key dependent permutation for use in symmetric cryptographic system	Mathematical problems in Engineering	2014	Arulmani kuppusamy, Swaminathan Pitchai Iyer , Kannan Krithivasan
A comparison of Haar Wavelet Method and Adomian Decomposition Method for solving one dimensional reaction-diffusion equations	International Journal of Applied Mathematics and Computation	2010	Hariharan, G and Kannan K

A Comparative Study of Haar Wavelet Method and Homotopy Perturbation Method for solving one dimensional reaction-diffusion equations	International Journal of Applied Mathematics and Computation	2011	Hariharan,G and Kannan K
Homotopy Perturbation transform method for solving Klein-Gordon Equations	International Journal of Emerging Trends and Technology in Computer Science	2012	Rajaraman, R , Hariharan, G and Kannan k
Shifted second kind Chebyhev Wavelet Method for a few second order differential equations arising in Engineering	Austrialian Journal of Basic and Applied Sciences	2013	Mahalakshmi,M , Hariharan, G and Kannan K
Haar Wavelets Approach of Travelling Wave Equation - a plausible solution of lightning stroke model	International Journal of Engineering and Technology 5	2013	Hariharan, G, Rajaraman, R and Kannan K
Analytical Solutions for Cauchy Reaction-Diffusion Equations	Asian Journal of Current Engineering & Maths	2013	Rajaraman, R , Hariharan, G and Kannan, K
Randomized Gravitational Emulation Search Algorithm for symmetric travelling salesman problem	Applied Mathematics and Computation	2007	Raja Balachandar, S and Kannan K
A new heuristic approach for the large scale generalized assignment problem	International Journal of Computation and Mathematical Sciences	2009	Raja Balachandar, S and Kannan K

A Meta-Heuristic Algorithm for vertex covering problem based on gravity	International Journal of Computation and Mathematical Sciences	2009	Raja Balachandar, S and Kannan K
Haar Wavelet Method for solving Cahn-Allen Equation	Applied Mathematical Sciences	2009	Hariharan, G and Kannan K
A novel feature selection technique for number classification problem using PNN-A plausible scheme for boiler flue gas analysis	Sensors and Actuators, B : Chemical	2009	Sivakumar, A and Kannan K
Haar Wavelet Method for solving Fisher's Equation	Applied Mathematics and Computation	2009	Hariharan, G , Kannan K and Sharma K R
Haar Wavelet in estimating depth profile of soil temperature	Applied Mathematics and Computation	2009	Hariharan, G, Kannan K and Sharma K R
A new polynomial time Algorithm for 0-1 multiple knapsack problem based on dominant principles	Applied Mathematics and Computation	2008	Rajabalachandar, S and Kannan K
Review of wavelet methods for the solution of reaction-diffusion problems in science and engineering	Applied Mathematical Modelling	2014	Hariharan, G., Kannan, K.
Legendre wavelet method for the singular system of transistor circuits	International Journal of Applied Engineering Research	2014	Venkatesh, S.G. , Ayyaswamy, S.K. , Raja Balachandar, S. , Kannan, K.

result 3 Document Solving fractional Riccati differential equation based on operational matrices	Journal of Computational Methods in Sciences and Engineering	2014	Krishnaveni, K., Kannan, K., Balachandar, S.R.
Development of K- means based SVM regression (KSVMR) technique for boiler flue gas estimation	International Journal on Electrical Engineering and Informatics	2014	Ayyagari, R., Sivakumar, A., Kannan, K.
Influence of gate engineering on the optical characteristics of a double gate FinFET	Optik	2014	Ramesh, R., Madheswaran, M., Kannan, K.
Equivalence of two widely researched problems in hypergraph theory	International Journal of Pure and Applied Mathematics	2014	Dharmarajan, R., Kannan, K.
On the Eccentric connectivity index of Generalized Thorn Graphs	National Academy Science Letters	2014	Y.B.Venkatakrishnan, S. Balachandran, K.Kannan

**Ongoing Project:**

HYPERGRAPH FOR IMAGE PROCESSING(2010-2012) - Funded by Department of Science and Technology ( DST)- Government of India - ( SR/S4/MS:465/07 )

## FACULTY PROFILE OF DR. VENKATRAMAN .G

**Dr. Venkatraman .G**

**Designation: Associate Professor**

**Qualifications: M.A.(English Literature) M.Phil.(English) M.Ed. Ph.D**

**Email: gv@eng.sastra.edu**



### **Area of Interest:**

Education

English Language Teaching

Technical Communication

Business Communication

Teacher Competency

Teacher Development

Indian Culture and Ethics

Soft Skills

### **National/International Conference Presentation Details**

1. Venkatraman, G. 1999. "Language Barriers and Communication Problems". National Seminar on HRD Strategies. PSG College of Engg, Coimbatore. 21-23, November 2005.
2. Venkatraman, G. 2000. "Computer Assisted Error Analysis in Remedial Teaching of English Language" National Conference on Academic Challenges for Women. Anna University, Chennai, February 10-12, 2000.
3. Venkatraman, G. 2000. "Strategic Planning in Education and Teaching Methodology" National Conference on Academic Challenges for Women. Anna University, Chennai, Nov 30-Dec.2, 2000.
4. Venkatraman, G and B. Krishnamurthy. 2009. Empowerment of Teachers through Continuous Competency Ascendance: Senior Teachers' Perspective. International Conference on Emerging Trends in Fitness for Longevity and Education for Empowerment. Alagappa University, Karaikudi March 5&6, 2009.

5. Venkatraman, G. 2012. "Application of Multiple Intelligences Theory to English Language Teaching: Some Strategies." 7th International Conference of ELTAI on The English Classrooms - Experiments and Experiences. Chennai, July 19-21, 2012.
6. Venkatraman, G & B. Krishnamurthy. 2012. "Syllabus Design and Materials Writing for ESP Courses: SASTRA University Experience." 10th Asia TEFL International Conference. Delhi, October 4-6, 2012.

### International Journals

Title	Name	Date	Authors
Relevant and Student-Friendly Course Materials for Distance Education Programmes: A Case Study	English for Specific Purposes World Journal	December 2011	Venkatraman, G & B.Krishnamurthy
Empowerment of Teachers through Continuous Competence Ascendance: Perspectives of Senior Teachers	International Journal of Business and Social Science	March 2012	Venkatraman, G
Developing a Set of Competencies for Teachers of English in English in Engineering Colleges	English for Specific Purposes	21 April, 2007	Author: G.Venkatraman Co-Author: Dr. P. Prema
English Language Skills for Engineering Students: A Needs Survey	English for Specific Purposes	4 November 2007	Author: G. Venkatraman Co-Author: P. Prema
A Course in English for Students of Engineering with Emphasis on Problem Solving Methods	English for Specific Purposes	21 Spetember 2008	Author: G. Venkatraman Co-Author: B. Krishnamurthy

Identification and  
Validation of ESP Teacher  
Competencies: A Research  
Design

English  
Language  
Teaching

Vol.6.,No.2.,  
2013

G.Venkatraman and  
P. Prema

### **National Journals**

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<b>Title</b>	<b>Name</b>	<b>Date</b>	<b>Authors</b>
Performance of Classroom Teachers: Issues in Quality and Competency	The Journal of English Language Teaching	June 2005	Author: G. Venkatraman Co- Author: P. Prema

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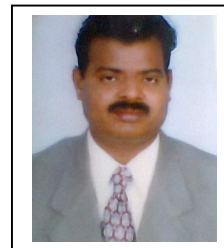
## FACULTY PROFILE DR.S.SAMPATH

### DR.S.SAMPATH

**Designation:** Senior Assistant Professor,

**Qualifications:** M. Com., M.Ed., Ph.D.

**Email:** sampath1966@dde.sastra.edu



### Area of Interest:

1. Educational Management
2. Curriculum and Instruction
3. Value Education
4. Teacher and School
5. Economics of Education

### Paper Presentation/Publication:

Name	Title	Journal/Conference
Dr.S.Sampath	<ol style="list-style-type: none"><li>1. "An Investigation into Leadership preference of Undergraduates"</li><li>2. "Study Habits of Higher Secondary Commerce Students"</li><li>3. "Interaction among the Learner, Teacher, Curriculum and Educational Programme with ICT"</li><li>4. "A Vision of Higher Education in Rural India in the 21<sup>st</sup> Century"</li></ol>	<p>Journal of Educational Research and Extension. Vol.46 (4) Oct-Dec 2009, ISSN 0973 – 6190, Pg.36-52.</p> <p>A Paper published in the Journal of Educational Research and Extension, Coimbatore. Page Nos.145-51, vol.33.</p> <p>University News, A weekly Journal of Higher Education, Published by Association of Indian Universities, Vol.49 No.23, June 06-12, 2011. pp.15-17.</p> <p>National Seminar on Role of Rural Educational Institutions for Quality Enhancement measures in Higher Education. Sponsored by NAAC. The Seminar was organized by Internal Quality</p>

	<p>5. “Efficacy in Hi-tech expansion between the Higher Educational Institution and Industries”</p> <p>6. “Confronting Task of Quality and Excellence in Teacher Education”</p> <p>7. Curriculum Reforms and Innovation – A Roadmap for quality in Higher Education</p> <p>8. A two day workshop on “Technology Enabled Learning for Teacher Educators”</p>	<p>Assurance cell (IQAC) of Kanchi Sri Krishna College of Arts &amp; Science, Kilambi, Kanchipuram between 25<sup>th</sup> and 26<sup>th</sup> Sep.2009.</p> <p>The paper was published in the proceedings, Pg.Nos.42-46</p> <p>International Conference on E-Resources in Higher Education: Issues, Developments, Opportunities and Challenges.</p> <p>The Conference was conducted by the Department of Educational Technology and Library Science, Bharathidasan University, Tiruchirappalli between 19<sup>th</sup> and 20<sup>th</sup> Feb.2010.</p> <p>The Paper was published in the proceedings – ISBN No.978-81-908078-9-0, Pg.Nos.664-665.</p> <p>National Conference on Quality Enhancement in Teacher Education Programmes.</p> <p>The Conference was conducted by PGP College of Education, Namakkal jointly with NAAC, Bangalore between 26<sup>th</sup> and 27<sup>th</sup> November 2010.</p> <p>The Abstract of the paper published in the proceedings, Pg.No.15.</p> <p>International Journal of Educational Administration (IJEA), Vol.4, No.2, July 2012, p.p 67-75</p> <p>Co-ordinator, conducted by the</p>
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	<p>9. “The Law of Wastage-A Conceptual Thought for Sustainable Economic Development”</p> <p>10. “Efficacy in Classroom Management blended with Techno savvy”</p> <p>11. “Perspectives of 21<sup>st</sup> Century Education with 3 Es”</p>	<p>Directorate of Distance Education, SASTRA University, Tirumalaisamudram – 613 401, on 18<sup>th</sup> and 19<sup>th</sup> December 2012.</p> <p>The International Journal’s Research Journal of Economics &amp; Business Studies(RJEBS), ISSN: 2251-1555, vol.2 No: 6, April 2013.</p> <p>International Journal of Educational Administration (IJE) Volume 5, Number 2 (2013), pp. 81-85</p> <p>International Journal of Information Sciences and Application (IJISA), ISSN 0974-2255 Volume 7, No.1 (2015), pp.1-5.</p>
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**ii) Book Publication if any:**

Authored and Published a book entitled as “Educational Management” with ISBN No. 978 – 81 – 8465 – 458 – 5.

**iii) Career Advancement:**

Dr.S.Sampath of School of Education, SASTRA University has attended a UGC Sponsored refresher course in “Information Communication Technology Application (Multi-disciplinary)” at UGC academic Staff College, Bharathidasan University, Tiruchirappalli between 10<sup>th</sup> and 30<sup>th</sup> November 2009 (21 days) and secured “A” Grade.

## FACULTY PROFILE OF Dr H R BHARGAVA

### Dr. BHARGAVA H.R

**Designation:** Senior Assistant Professor

**Qualification:** M.Sc, M.Ed, M.Phil (Edu), Ph.D

**Mail Id:** drhrbhargava@scbt.sastra.edu



### Educational Qualifications :

- 2009 Ph.D in Apiculture, Bangalore University.
- 2008 M.Phil (Edu) Annamalai University
- 2005 M.Ed Karnataka State Open University
- 2002 B.Ed (Chem/Bio) Bangalore University
- 2001 M.Sc Zoology/Genetics, Bangalore University.
- 1998 B.Sc, Bangalore University.
- 1995 PUC (PCMB) Pre University Board
- 1992 SSLC Karnataka State Secondary Education Board

### Area of Interest :

Education  
Entomology (Apiculture)  
Molecular Genetics  
Genetic Engineering  
Molecular Biology

### National / International Conference Presentation & Participation Details :

#### **National:**

Chickmagalur District, Karnataka, India” Organized by the 97th Indian Science Congress, 3-7 January, 2010, held at Tiruvananthapuram, Kerala.

Oral presentation on the topic “Melittopalynological studies of honey samples from Chickmagalur district, Karnataka” organized by National Conference on Challenges of Modern Biology in 2020 (CHAMB 2020), 29-31 March 2010, held at Bangalore, Karnataka.

#### **International:**

Oral presentation on the topic “Effect of lighting conditions & substratum of egg laying behaviour of Greater wax moth *Galleria mellonella* (L.) 2005. Organized by the International Beekeeping Congress held at Le Meridian, Bangalore.

Poster presentation on the topic “Pollen analysis of Honey in Western Ghats, Karnataka, India” 2006. Organized by the International Conference of Zoology (INCOZ) held at Bangalore University, Bangalore.

Oral presentation on the topic “Pollen analysis of Apis honey, Karnataka, India” 2007. Organized by the 40th International Apicultural Congress Apimondia held at Melbourne, Australia.

Oral presentation on the topic “Pollen analysis of honey samples from Chickmagalur District, Karnataka, India” 2008. Organized by the 9th Asian Apicultural Association International Conference held at Hangzhou, China.

Oral presentation on the topic “Floral calendar of bee foraging plants of Chickmagalur District, Karnataka, India” 2010. Organized by the 10th Asian Apicultural Association International Conference held at Busan, South Korea.

Oral presentation on the topic “Bioassay for the determination of antimicrobial activity to various types of Apis honey collected from India” 2012. Organized by the 11th Asian Apicultural Association International Conference 28th Sept to 02nd Oct held at Kuala Terengganu, Malaysia.

Attended International conference on Regulatory network architecture in Bacteria (RNAB) conducted at SASTRA University, Thanjavur.

Attended International workshop on stingless bee (*Trigona* spp.) organised by 11th Asian Apicultural Association International Conference held at Kuala Terengganu, Malaysia.

Organised International workshop on recent technology developments in Apiculture and Honey festival 2013 (IWRTDAHf 2013) organised by SASTRA University in association with National Bee Board & KVIC held at Thanjavur, Tamilnadu, India.

Oral presentation on the topic "Antioxidative properties and antibacterial efficacy of Apis honey collected from different apiaries and its effect on animal models" at the International workshop on technology transfer in beekeeping, Meliponiculture and honey festival (Apiexpo-2014), Bangalore, Karnataka, India.

Oral presentation on the topic " Determination of the Chemical characterization, botanical origin and authenticity of Apis and Trigona honey samples collected from different areas" at the National Seminar on Science and Technology for Human Development (NSSTHD), Bangalore, Karnataka, India.

Organised Workshop on Beekeeping and its management for Self Help Groups for surrounding Villages of SASTRA University, Thanjavur, Tamilnadu.

### **International Journals :**

<b>Title</b>	<b>Name</b>	<b>Date</b>	<b>Authors</b>
Pollen analysis of Apis honey Karnataka, India.	Apiacta	2009	Bhargava. H.R*., Jyothi. J.V.A., Bhushanam. M., and Surendra. N. S.
Role of bee- attractants on honeybee visitation of Ridge Gourd (Luffa acutangula L.) (Cucurbitaceae).	World Applied Science Journal	2011	Jayaramappa,K.V, Mahesh, P and Bhargava.H.R
Melittopalynological studies of Apis honey samples from Chickmagalur District, Karnataka, India	Journal of Apiculture	2012	Bhargava. H. R and M.S. Reddy
Antibiotic Activity of various types of Apis Honey samples of Karnataka, India	World Journal of Agricultural Sciences	2013	Bhushanam, H.R. Bhargava and M. S. Reddy
Antioxidative Property and LC/MS Analysis of Apis Honey Samples Collected from Different Geographical Locations of India	World Applied Sciences Journal	2013	V. Guru Kamakshi, Sneha S. Bhat and H.R. Bhargava
Physico-chemical and Antibacterial characteristics of Apis honeys from Karnataka	Journal of Apiculture	2013	Bhushanam, M and Bhargava, H.R
Role of bee-attractants on honeybee visitation of ridge gourd Luffa acutangula L.) (Cucurbitaceae)	Journal of Apiculture	2013	Jayaramappa, K.V and Bhargava. H.R
Anti-oxidative and Antagonistic activity of honey samples collected from different geographical	Middle East Journal of Scientific Research	2014, 21(8): 1377-1383	K Mathumitha, E Keerthika, S Elakkiya, S Umarani, Varsha Uma Eswaran and H R Bhargava

A comparative study on the chemical composition, chemical characterization and floral studies of raw and processed honey samples of Apis species.	World Applied Sciences Journal	32 (2): 302-308, 2014	H R Bhargava and Monisha Motilal.
Chemical Analysis and Anti-Microbial Activity of Karnataka Bee Bread of Apis species	World Applied Sciences Journal	32 (2): 302-308, 2014	Varsha Uma Eswaran and Hunkunda Radhakrishna Bhargava
Apis cerana Bee Venom: It's Anti-Diabetic and Anti-Dandruff activity against Malassezia furfur	World Applied Sciences Journal	32 (3): 343-348, 2014	Sandhya Prakash and H R Bhargava
Anti-oxidative and Antagonistic activity of Apis and Trigona Propolis collected from different geo locations	Iranica Journal of Energy and Environment	2014, 5(4): 461-468	H.R. Bhargava, S. Elakkiya, K. Mathumitha, E. Keerthika, Uma Rani and Varsha Uma Eswaran

#### **National Journals**

<b>Title</b>	<b>Name</b>	<b>Date</b>	<b>Authors</b>
Melittopalynological studies of honey samples from Chickmagalur district, Karnataka.	Proc. National Conf. on Challenges of Modern Biology in 2020.	2010	Bhargava. H. R., Jayaram G. N. and M. S. Reddy.

## FACULTY PROFILE OF Mr S RAMAN

**Mr. S. Raman**

**Designation:** Assistant Professor (Grade-II)

**Qualifications:** M.Sc., M.Ed., M.Phil., PGDOR.,

**Email:** raman@dde.sastra.edu



### Seminars /Conferences attended.

S.No	Type	Topic	Institution	Date
1	National Seminar(UGC Sponsored)	Mathematical Methods and Fuzzy Applications	Jamal Mohammed College,Trichy	27 <sup>th</sup> Feb,2006
2	National Seminar	Fuzzy Mathematics and its applications	Alagappa University,Karaikudi	3 <sup>rd</sup> and 4 <sup>th</sup> March ,2006
3	National Seminar (DST New Delhi)	Patent awareness	Mohamed Sathak Engineering College,Kilakarai	5 <sup>th</sup> April,2006
4	National Seminar (DST New Delhi)	Graph Theory	Kongu Engineering College,Erode	7 <sup>th</sup> - 9 <sup>th</sup> March,2007
5	International Conference	Algorithms and No theory	SASTRA University,SRC Kumbakonam	20 <sup>th</sup> -22 <sup>nd</sup> Dec2008
6	National Workshop	Research in Distance and online learning	IGNOU, New Delhi	23 <sup>rd</sup> -27 <sup>th</sup> Nov 2009
7	National Seminar	Graph Theory, Algorithms & Modelling	Jamal Mohammed College,Trichy	19 <sup>th</sup> Mar,2010

### Papers Presented

1	National Seminar	Union and Intersection of Fuzzy ideals	Rajiv Gandhi Engineering College,Pondicherry	6 <sup>th</sup> -7 <sup>th</sup> Oct 2006
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2	National Conference	Fuzzy Numbers, Interval analysis	Thiagarajar College of Engineering, Madurai	27 <sup>th</sup> -29 <sup>th</sup> September 2007
3	International Conference	Role of Digital libraries in informal mode of Education	Bharathidasan University, Trichy	19 <sup>th</sup> -20 <sup>th</sup> Feb 2010

### Wrote Study Materials

1. **Business Mathematics and Statistics** for **BBA** I Year - TamilNadu Open University, Chennai in 2004.

2. **Quantitative Techniques** for **MBA** I Year - TamilNadu Open University, Chennai in 2004.

3. **Quantitative Methods (Operations Research)** - Consultancy development centre, New Delhi in 2008.

NAME	DESCRIPTION	DURATION/DATE
<b>Mr.S.Raman</b> Assistant Professor II -	<b>Workshop</b> on “Research in Distance and online learning	Organised by Staff Training and Research Institute Distance Education (STRIDE) IGNOU, New Delhi  During 23-27 Nov 2009