

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC – 2008-09

Introduction

S.I.V.E.T. College, Gowrivakkam, Chennai was established in 1966 and is affiliated to the University of Madras. The Trust owes its birth to the far sighted vision of Former Hon'ble Judge, late Thiru.S.A.Ayyasami Chettiar, M.A.,B.L. Its aim is to promote education to socially and economically backward students of the region.

The college offers eight U.G. programs of three years duration and two P.G. programs with two years duration in Shift I. In addition to, Shift-II [Self-Finance Stream] also has six U.G. programs and three P.G. programs. Accreditation by NAAC with B⁺⁺ and grant-in-aid by U.G.C. has helped to scale to great heights in performance by the sheer guidance and financial assistance by the management authorities. The sprawling 28 Acres has gained an optimum utilization and is now well guarded by a concrete compound gated wall.

Building Photos



The physical and material part is being decorated and face lifted by the management. The academic growth and quality too has attained fame in the recent years. The fame and name has made the Management to start the Self-Finance stream (II shift) for students who have been deprived with the pleasures of studying in a college on account of varied reasons. The Self-Finance (II shift) was first started in the year 1992 with two U.G. courses such as, Computer Science and Electronics and Communications. The dire need of the students in and around the college has helped the college to start further with six U.G. programmes, three P.G. programmes and two Research programmes adhering to the norms and syllabus of University of Madras. It has a student strength of 2250 (both Boys & Girls) and the Staff strength of 80 to cater to their intellectual needs and Non-teaching staff to the strength of 26 for Administrative assistance to the authorities.

IQAC is formed with all the Heads as its active members and the Principal as coordinator. The committee is chaired by the secretary of the college. The committee prepares an action plan every year which tries to augment the overall growth and personality of each student (enclosed).

Being an affiliated college, the college follows the pattern of syllabi approved by the University of Madras at the U.G. and P.G. levels. The introduction of new programs or change in syllabus denies flexibility by the Governing body. Despite these hurdles faculty members at various tenures have been in the academic bodies of University of Madras and have even contributed to the redesigning of syllabus by introducing soft skill and environmental sciences.

The college council in accordance to the instruction and guidance of the management adheres to the University norms framed from time to time and devises innovative methods for the overall progress of the student.

The **Action plan** is always framed at the beginning of the academic year with additions and omissions in vogue.

Plan I was to maintain punctuality and discipline amidst students.

Plan II was to evolve measures to make the student get prepared for the forthcoming exams.

Plan III was to identify students with poor communication skills and subject knowledge through departmental tests at the initial level.

Plan VI was to conduct seminars and National conferences in the college.

Remedial classes were conducted for the below average students especially in English. Students from each class were identified and individual attention was stressed upon. Printouts of essays were given and explained line by line in a bi-lingual manner. Students were asked to take the tests and the assessment shown to the students has highly improved them. The time tables for revision of tests are as follows:

Test days	Semester	Venue
Monday 12.30 through 01.20	I semester	Halls near Auditorium
Wednesday 12.30 through 01.20	III semester	Halls near Auditorium
Thursday 12.30 through 01.20	II semester	Halls near Auditorium
Friday 12.30 through 01.20	IV semester	Halls near Auditorium

Test revision and assistance days shall be as follows:

Coaching days	Semester	Venue
Friday 11.30 through 12.30	I semester	Halls near Auditorium
Monday 11.30 through 12.30	III semester	Halls near Auditorium
Wednesday 11.30 through 12.30	II semester	Halls near Auditorium
Thursday 11.30 through 12.30	IV semester	Halls near Auditorium

Students are asked to bring their hand out materials during the coaching sessions.

These efforts with the help of the Management and Heads lead to a considerable result in the English pass percentage. The main stress is in English as the college is in semi rural background and all the major subjects are taught in English.

Soft skills classes based on the University syllabus were conducted both by the English department and departments related to the selected soft skills subject. Tests were conducted and students were asked to prepare projects. Individual viva-voce was also conducted to check and assess the students. Subjects like communication skills in English Part I & Part II, Personality Development and Computing Skills are dealt with.

Besides, the department has started to conduct regular tests (month wise) and marks are entered in the registers. Absentees and poor performers' parents were informed over phone (numbers collected from Database). Assignments were given and based on the overall performance of the student, internal marks were given.

Interdisciplinary aspects have been initiated by the English Department. Apart from the mundane pedagogy, an attempt in educational technology has created awareness among the students to know the role of computers and information technology. Visualization and communication skills are taught and practiced among U.G. students as optional subject.

NET and SLET Training through U.G.C. sponsored programs have got a wide acceptance for the lecturers of the posterity to get identified.

Result Analysis (Pass out candidates):

Department of English

Course	2008-09	
	Nos.	%
U.G.	191	63

Department of Commerce

Course	2008-09	
	Nos.	%
U.G.	60	91
PG	5	71

Department of Mathematics

Course	2008-09	
	Nos.	%
U.G.	14	42
P.G.	12	75

Department of Economics

Course	2008-09	
	Nos.	%
U.G.	32	78

Department of Physics

Course	2008-09	
	Nos.	%
U.G.	16	80

Department of History

Course	2008-09	
	Nos.	%
U.G.	20	52

Department of Zoology

Course	2008-09	
	Nos.	%
U.G.	11	37

Department of Corporate Secretaryship

Course	2008-09	
	Nos.	%
U.G.	23	48

College has been keen in the faculty improvement program as it's a must for the staff to get attuned to the modern development in their respective subjects. Among the permanent faculty members 61% possess Ph.D. degree, 10 have registered for Ph.D.'s and remaining 16% hold M.Phil. Degrees.

The teaching faculties have contributed their intellectual might at the international, national and state level seminars.

Sl. No.	Name	Programmes attended
1	Dr.R.Rethinabai	<u>National Seminar:</u> Housing needs and the Role of Institutional Housing Finance, Govt. Arts College, Nandanam; Dt: 27.2.2009.
2	Dr.P.Packirisamy	<u>Seminars Attended:</u> 1) Micro Finance – A Boon for Indian Economy, Pondicherry University, Pondicherry, 21 st -23 rd January, 2009.
3	Dr.T.V.Sudharsan	<u>Papers Published(INTERNATIONAL)</u> 1) B.Adolf Stephen, P.Nirmaladevi, T.V.Sudharsan and

		<p>K.G.Subramanian, "A class of Harmonic Multivalent Functions and a coefficient inequality", Far East Journal of Mathematical sciences, Vol.32(2009),55-68.</p> <p>2) B.Adolf Stephen, K.G.Subramanian, P.Nirmaladevi, T.V.Sudharsan and G.Murugusundaramoorthy," Harmonic parabolic starlike functions of complex order", International J.of Math.Sci. & Engg.Appls, Vol.3.No.II (2009),59-66.</p> <p>3) T.V.Sudharsan,R.Thirumalaisamy, K.G.Subramanian and B.Adolf Stephen," A class of analytic functions based on Ruscheweyh derivative ",International J.of Math.Sci. & Engg.Appls,Vol.3.No.II (2009),103-108</p> <p>4) B.Adolf Stephen, P.Nirmaladevi, T.V.Sudharsan and K.G.Subramanian " A class of harmonic meromorphic functions with negative coefficients" Chamchuri Journal of Mathematics,Vol. 1, No.1 (2009), 83-90.</p> <p>Seminars /Workshops /Symposia / Conferences(2008-13) (Attended and Presented).</p> <p>1) National Conference"On Recent Advancement in Pure and Applied Mathematics" held at DG Vaishnav College, Chennai, January 23-24, 2009 (Presented a paper).</p>
4	Dr.K.Thirusangu	<p><u>International conferences</u></p> <p>1. K.Thirusangu, (with R. Rajeswari), Algebraic Marked Graphs based on (Z_n, A), International Conference on Mathematics and Computer Science, Loyola College, Chennai , January (2009).</p> <p>2. K.Thirusangu, (with K.G. Subramanian, Atulya K. Nagar) : A Class of Petri Nets and the Chip Firing Game in Graphs, Proceedings of the 5th Asian Mathematical Conference , Malaysia, June (2009).</p>
5	Mr.T.Balakrishnan	<p>1) National level workshop on Digital Asset Management in Libraries, organized by VIT University, Vellore, 13th April 2013.</p> <p>2) National Level Symposium on E-Publishing, UGC-SAP-DRS III, Programme, Dept. of Information Science, University of Madras, Chennai-5, 20th March. 2009.</p>

Seminars both at National level and State level were organized in the college through the munificence of the management authorities. Their immediate concern and sanction of funds has given a tremendous output to the students of the college thereby making them to compete with the students of elite colleges.

Sl. No.	Departments	Number of Seminars conducted
1.	History	1
2.	Economics	1
3.	B.Com.	1
4.	B.Com. Corporate Secretaryship	1
5.	B.Sc. Mathematics	1
6.	B.Sc. Physics	1
7.	B.Sc. Chemistry	1
8.	B.Sc. Zoology	1
Total		8

Research Projects : Nil

Patents generated : Nil

New Collaborative Research Programs : Nil

Institution has received following grants from U.G.C. for Minor Research Grant: Nil

Details of Research Scholars:

The research wing is normally done by the departments that hold post graduate programs. But now the trend has shifted to departments like history and tamil and permissions for Ph.D guidance has been granted by the University.

Sl. No.	Name	Dept.	Teaching Exp.	Research Exp.
<u>Mathematics Department</u>				
	<u>Dr.K.Thirusangu,</u> <u>Research Guidance</u>	Associate Prof., Dept. of Mathematics	25 yrs.	25 yrs.
1	Prof.R.Arumugham	Dept. of Mathematics		
2	Prof.A.Praveen Prakash	Dept. of Mathematics		
3	Tmt.R.Rajeswari	Dept. of Mathematics		
	<u>Dr.T.V.Sudharsan,</u> <u>Research Guidance</u>	Associate Prof., Dept. of Mathematics	26 yrs.	26 yrs.
1	Mr.R.Tirumalaisamy	Dept. of Mathematics		
2	Tmt.R.Ezhilarasi	Dept. of Mathematics		

Citation index of faculty members and impact factor:

1. K.Thirusangu, (with K.Balasangu and V.R. Dare): On the Health Hazards of the Rice Cultivators Using IFRM Model , International Journal of Analyzing Methods of Components and Combinatorial Biology in Mathematics (IJAMCCBM), Vol.1, No.1, (2009) pp. 1-10
2. K.Thirusangu, (with K.Balasangu and V.R. Dare): A Neural Network Model Approach on the Health Hazards of Agriculture Farmers, International Journal of Analyzing Methods of Components and Combinatorial Biology in Mathematics (IJAMCCBM), Vol.1, No.1, (2009), pp. 11-18.
3. K.Thirusangu, (with R.Rajeswari, K.Balasangu) : On Petri Nets in Polly Cracker Public Key Cryptosystems , International Journal of Combinatorial Graph Theory and Applications (IJCGTA), Vol. 2, No. 1 (2009), pp.49-56.
4. K.Thirusangu, (with J. Baskar Babujee and R.Rajeswari): Super Vertex (a,d) - antimagic labeling for Cayley Digraphs, International Journal of Mathematics and Applications , Vol.2, Nos.1-2, (2009), pp.11-16.

5. K.Thirusangu, (with R.Rajeswari, K.Balasangu) : Polly Cracker Public Key Cryptosystems On two subclasses of Petri nets, International Journal of Combinatorial Graph Theory and Applications (IJCGTA), Vol. 2, No. 1 (2009), pp. 95-104.

Dr.T.V.Sudharsan, Assoc. Professor, Dept. of Mathematics - Articles cited by 20 scholars.

Dr.K.Thirusangu, Assoc. Professor, Dept. of Mathematics - Articles cited by 20 scholars.

Honors / Awards to the faculty:

Dr.V.Kalyanaraman, Associate Professor, Dept. of Zoology, has got elevated to the level of the **Scientific Adviser** to GLR Labs Pvt. Ltd., Chennai and Cambridge UK. He won the “Best Paper Award” on Environmental Toxicology (ENTOX-2009), Tamil Nadu.

Lt.S.Ravibalan, Associate Professor and Head, Dept. of English, was adjudged for Director General’s Commendation and Best Associate NCC Officer in the Battalion.

Internal Resources Generated:

The Management has been kind enough to grant funds to the tune of Rs.1,00,000/- for the conduction of seminars, conferences and awards in the form of endowment scholarship for meritorious students.

Details of Departments getting SAP, COSIST (ASSIST) / DIST, FIST etc. : Nil

Community Services:

The present trend and norms of the University is to make a student to participate in any of the extension programs given in the college.

NCC:

National Cadets Corps (NCC) has set a niche and is ranked the best by the Battalion and Group Office for Guard of honor and Contingent drill. The cadets are well trained and their

performance has helped to get a grant of one lakh from Tamilnadu Directorate to build the obstacle area in our college. The excess expenditure of 39 lakhs incurred was given by the management with a notion to promote unity and leadership among students. Cadets have participated in Republic Day Camps, Delhi, MRDC (Marina Republic Day Camps, TAL Saink Camps (TSC) Trekking, and NIC Camps. To add feathers to the glitzy cap of the college, the cadets have won gold medals in all these camps consecutively and have brought medals and rolling cups every year in Inter collegiate competition and NCC group competitions such as CADOFEST, CADOGREEN and Inter Group Competitions conducted by the NCC Directorate.



NSS: The National Service Scheme comprises of 3 units. Their motto “Not me, but you” has gained an optimum utilization and fruition. These units have been successful in conducting Blood Donation Camps with the NCC, Special Camps on Health and Hygiene, Environmental Protection, Literacy and Small Savings. These units have also participated in the rallies on evils against illicit arrack, anti-plastic rally and in friends of police. They have joined hands with the traffic police in regulating traffic in the nearby arterial roads. Camps are conducted once in a year and thereby improving the environment where it’s held.

YRC & RRC:

Blood Donation Camps with the NCC, Special Camps on Health and Hygiene, Environmental Protection, Literacy and Small Savings are done. These units have been the arms of the major extension programs in the college.

Sports:

Besides academic development the physical education department has also stressed upon on sound health. Continuous assessment of students through intramural tournaments has paved way for the formation of a good Cricket Team and Basket Ball team. The management has willfully given their consent to conduct a mock IPL as Twenty 20 tournaments with an expenditure of Rs.33,000/-. It has helped the students to compete with elite colleges and they have also bagged the first two places consecutively. Athletic events and sports for staff are also regularly conducted.



Teachers and Officers newly recruited : Nil

Improvement in the Library services

The college library houses 35,000 books by a continuous increase of 1500 books every year on various subjects. The library has been computerized. The Library services cater to the needs of staff, students and research scholars. Apart from the books on subjects, dailies, magazines, general knowledge competitive exam books and new arrivals are kept in an open stack for various usages. Books are lent to students as per the schedule displayed on the library notice board.



Students feed back

The greatest way to improve one's self is to get criticized. This is done in the other way as getting a feedback from the student's class representatives. Students being the best judges of a class, the representative from each class are asked to fill up the questionnaire handouts which comprise with the performance of staff, teaching methods, infra structure related question and finally opting for any comments and suggestions. These questionnaires are collected and handed over to the principal and management authorities for scrutiny and remedial measures.

Infrastructure added during the year:

The management authorities, with the view to protect the sylvan serene atmosphere of the college and as well as the properties, sanctioned Rs.1 crore to build a gated compound wall to a stretcher of 5 kms. around the college. They also employed security services on a 24x7 basis.

Canteen: Canteen facilities have been improved and modernized through the exchequer of the management.

Computer Centre: A computer centre with 25 computers, network facility and 10 KV separate UPS has been brought into effect for the utilization of students on computing skills. The management granted generously Rs.4 lakhs towards the installation and maintenance charges.



Technological up gradation:

Departments were introduced to the usage of computers and thereby each with one system and printer. Administrative and Accounts work are also done with the help of computers.



Scholarship given to students:

The college is situated in a semi-rural background and thereby invites students who are socially and economically backward. To ease their financial constraints Government Scholarships and Endowment scholarships are given to students. The following table gives the configurations of the scholarship amount disbursed to the students:

Statement showing BC/MBC, SC/ST Scholarship sanctioned by Government of Tamil Nadu / Government of India for the years 2008-13

Year	Community	Total Student	Sanctioned Amount Rs.
2008-09	BC	183	188605
	MBC	185	219784
	SC / ST	250	759529

Activities and support from Alumni Association

The alumni have been contacted periodically for suggestions regarding placement, scholarships and sponsors for financially backward students.

Activities and support from Parent – Teaching Association: Economically poor students are encouraged to go for higher education by extending financial support out of teacher's contribution.

Health services:

The community services of the college have not alone dealt with extension programs but also have created awareness on health and hygiene among students and staff. Health checkups by government doctors, Eye and Dental checkup by private medical hospitals have received an enormous acceptance. The intimate feminine problems were also considered and thereby inviting women doctors of specialization.

Students' achievements and awards:

The girls of our college secured III Position in the State Level Inter-collegiate Chess Tournament at D.G.Vaishnav College.

Boys and Girls of our college have reached the Semi-final Stage in the Hand Ball, Badminton and Ball Badminton at I.I.T.Madras.

University Rank Holders:

Department of Physics

- 1) 2008-09 – M.Brinda - B.Sc. Physics - 3rd Rank in University of Madras
- 2) 2008-09 – N.Indhumathi – B.Sc. Physics – 8th Rank in University of Madras

Department of Zoology

- 1) 2008-09 - S.Noorie Nisha – B.Sc. Zoology – 3rd Rank in University of Madras

Activities of the Guidance and Counseling unit :

The guidance cell in the college gives counseling on academic, economic and psychological aspects. It also helps the students to overcome the stress brought by medium of language and environmental difficulties.

The girl students are given proper guidance on safety, and are counseled by the lady staff appointed by the college.

- 1) Dr.T.P.Velusamy, Lecturer S.G. in Chemistry.
- 2) Mrs.S.Nageswari, Lecturer SG in Chemistry.

Placement Services provided to Students:

Besides, companies like Wipro and TATA AIG absorbed two and eleven students respectively to their companies.

Healthy practices of the Institutions:

The college not alone caters to the academic needs but also fosters patriotism , integration, unity and leadership qualities through Independence Day and Republic Day Celebrations, Martyrs day , Gandhi Jayanthi, Women's Day , NCC Day , NSS Day and Sports Day and Tamil Mandram Muperum Vizha. Students are also encouraged to participate in inter collegiate competitions, seminars and workshops.

Students Grievances and Redress Cell:

Students Grievances and Redress Boxes are kept in the front of the Office and the committee opens the boxes at weekends and immediate actions are taken by the administrative authorities. Besides, the students are free enough to approach the Heads of Departments for redressing their grievances, if any.

Linkage developed with National / International, Academic / Research bodies:

The college has developed and spread its tentacles in academic performances and research attributes with other universities such as, **USA, University Lucian Blaga Roumania,**

University Kebansaan, University of Sains, Malaysia, Bharathidasan University, Bharathiar University, Dravidian University, Annamalai University, Annai Teresa University, and Pondicherry Central University.

Any other relevant information the institution wishes to add:

The college though in a semi-rural backdrop has also cherished the presence of distinguished personalities on various occasions. To list a few are:

- 1) Hon'ble Central Minister Jagathrakshagan, Ex-M.P., 2008-09, College Day Function and 2009-Inaugural function of Women's Hostel.
- 2) Mr.N.Suresh, Former Minister of Education, Tamil Nadu – 2009, Inaugural Function MBA & MCA Block
- 3) Dr.S.V.Chittibabu, Former Vice Chancellor, Annamalai & Madurai Kamaraj University, 2009-Special Guest in Unveiling the bust of Former Honourable Judge Thiru.S.A.Ayyasami Chettiar, M.A.,B.L.
- 4) Mr.Gunalan, I.A.S. (Retired) - 2009, Guest of Honour, Inaugural Function MBA & MCA Block.

IQAC COMMITTEE

The management and principal are pleased to inform that the following staff will be in charge of preparing the Annual Quality Assurance Report (AQAR) of the Internal Quality Advisory Committee:

Chairperson - Er. G. Selvanathan, B.E., Secretary, S.I.V.E.T. College.

Coordinator - Dr.S.P.Thiruthuvadoss, Principal

Members - Mr. R. Ravichandran, HOD of Zoology
Dr. P. Thiagarajan, HOD of Economics
Mr.N.Renganathan, HOD of Physics
Mr.D.Chandrasekara Reddy, HOD of Commerce
Dr. A. Peermohamed, HOD of Corporate Secretaryship
Dr.T.P.Veluchamy, HOD of Chemistry
Dr. T.V. Sudharsan, HOD of Mathematics
Mr.J.Sureshkumar, HOD of English
Dr. T. Marimuthu, HOD of Tamil.

Action Plan for the Academic year

The Principal and the Heads of Department have accepted to implement the plans that have been evolved through discussions which are centered upon the welfare and development of the student and college environment:

1. The department staff was asked to conduct monthly test, assignments and maintain a record.
2. The Heads of Department were asked to conduct seminars, conferences, and symposiums in the college within the sanctioned amount.