

# SELF STUDY REPORT (SSR)

**Submitted**

**to**



**National Assessment and Accreditation Council  
(NAAC)**

**P. O. Box No. 1075, Nagarbhavi,  
Bangalore -560072.**

**Submitted**

**by**



**SENGUNTHAR ARTS AND SCIENCE COLLEGE**

(Affiliated to Periyar University, Salem & Approved by AICTE, New Delhi)

**TIRUCHENGODE – 637 205**

**Namakkal Dt.,**

**Tamilnadu.**



# Sengunthar Arts and Science College, Tiruchengode

---

## SENGUNTHAR ARTS AND SCIENCE COLLEGE

Tiruchengodu – 637 205, Namakkal Dt.,  
Tamil Nadu (State)  
Ph: 04228 – 283575, 283545 Fax: 04288 – 284344  
E-mail: info@seguarts.co.in

Dr. S. ARUMUGAM  
Principal

Date: 08.05.2015

To

The Director,  
National Assessment and Accreditation Council,  
P.O. Box No. 1075, Nagarbhavi,  
Bangalore – 560 072

Dear Sir,

Sub: Submission of Self Study Report (SSR) to NAAC - reg.

---

I am happy to present the Self Study Report of our college for the FIRST cycle of accreditation by NAAC.

I request your good-self to kindly arrange for the peer-team visit to our college

Thanking You,

Yours Sincerely,

PRINCIPAL

## CONTENTS

S.No	Particulars		Page No.
(A)	Executive Summary – SWOC Analysis		5-10
(B)	Profile of the Institution		11-23
(C)	Criterion – wise Inputs		
	I	Curricular Aspects	20 – 45
	II	Teaching – Learning and Evaluation	46 – 80
	III	Research, Consultancy and Extension	81 – 120
	IV	Infrastructure and Learning Resources	121 – 139
	V	Student Support and Progression	140 – 160
	VI	Governance, Leadership and Management	161 – 180
	VII	Innovations and Best Practices	181 – 183
(D)	Evaluative Reports of the Departments		184 – 364
(E)	Declaration by the Head of the Institution		365
(F)	Certificate of Compliance		--
(G)	Annexure		--

## **EXECUTIVE SUMMARY**



**S**engunthar Arts and Science College, popularly known as SASC, was founded in 1991 by Sengunthar Education Trust. It is a pioneer, self-financing, co-educational Institution, situated in serene green surroundings at Tiruchengode. It was formerly affiliated to the University of Madras and now to Periyar University, Salem. The Institution spreads over 22.5 acres of land with 2,28,868 sq.ft. of built in area.

The college offers 13 UG Courses, 8 PG Courses and 5 Research programmes. It is the pioneer institution to offer M.C.A. degree courses in the entire Namakkal District. All the PG Departments are housed in a separate block with modern laboratory facilities. Department wise A/c conference halls are established to cater the academic needs of aspirants. Our Institution has secured 62 Gold Medals and 484 University Ranks since 1991.

Unique among all affiliated colleges of Periyar University, Sengunthar Arts and Science College is having a separate, spacious library with good collection of Books and Magazines and Journals of National and International repute. A Placement and Training block is separately housed and functioning well under a placement director.

## Sengunthar Arts and Science College, Tiruchengode

---

The alumni of Sengunthar Arts and Science College are placed well in reputed firms in India and also globally, which is testimony to the historical 24 years of service in the arena of higher education.

With its fine infrastructure and ability to maintain high academic standards, the Institution has unique honor of being acclaimed as one of the outstanding educational Institutions under Periyar University. To SASC, educating youth is always an incessant passion! The institution has been striving to provide quality education to the rural folk, thereby unveiling the new horizons of knowledge to them and brightening up their lives. With its high academic standards and copious infrastructure facilities, SASC has the unique distinction of producing well qualified and potential graduates.



**Mr. Jansons. T.S. NATARAJAN, President, Sengunthar Education Trust, Tiruchengode** is a versatile genius who diligently strives hard to bring to forum the innate abilities of youth from the rural back ground. He is also the Founder and Chairman of Jansons Group of Companies, Tiruchengode, Jansons School of Business, Jansons Institute of Technology, Coimbatore, Jansons MRI Diagnostic Centre, Erode and Heritage Granites, Sankari. He is the Syndicate member of Periyar University, Salem. He stands apart from all by sowing the right seeds in the society as an Educationalist and Entrepreneur.



**Er. R. RAJASEKARAN**, is an efficient industrialist and adorable philanthropist. He is the **Secretary & Correspondent**, of our Institution since 2011, following the foot paths of his father Shri.T.A. Ramasamy Mudaliar, who is the Founder President of Sengunthar Education Trust. His approaches are humble and distinguished. He is striving excellence in every waves of his thoughts and steps of his action.

## Sengunthar Arts and Science College, Tiruchengode

---



**Prof. A. Baladhandapani**, is an Economic Professor and serving the cause of higher education for more than 35 years. **He is the Founder Principal of our Institution and served his term of office from 1991 to 2006. And then he became the Dean of our college and also as a Joint Secretary of Sengunthar Education Trust.** He is an Instrumental and Visionary academician, who imbibes new ideas and schemes among the young minds. He is a role model for the teaching aspirants and also for student community.



**Dr. S. ARUMUGAM**, started his career in the arena of higher education as a lecturer in Microbiology in 1996 in Sengunthar Arts and Science College and became Head of the Department of Microbiology since 2000. To the testimony of his hard work and excellence in education and administration, he was elevated to the post of Principal from 2011. He also served as a deputy warden in college hostel for a decade from 1996 to 2006. Basically he is a Microbiologist and described a new species of bacterium which is deposited at MTCC, Chandigarh. He is also one among 5 dignitaries visited USA as a cultural ambassador from India in the year 2009.

## SWOC ANALYSIS OF THE INSTITUTION

### Strengths:

- A faculty with a single minded devotion and dedication to the cause of teaching and the welfare of students.
- Existence of a sports culture focusing on developing students into great sportsmen.
- A magnanimous Management which gives complete freedom to the teachers to work independently and creatively.
- More number of seminars/workshops are conducted through UGC funds and Management funds.
- Creation of awareness about competitive examinations by conducting coaching classes.

### Weakness

- Communication skills of the students are not very encouraging.
- As most of the students are first generation rural learners, it becomes very difficult to train them to develop their soft skills.
- Very difficult to avoid absentees in the classes.

### Opportunities

- Availability of sponsoring agencies like UGC and DST which motivate the teachers to apply for grants to conduct seminars and also apply for major and minor projects.
- UGC grants for conducting NET coaching classes and competitive examinations, helps the teachers to focus on training the students.
- Adequate recognition and rewards to the students for their activities in curricular and co-curricular activities.
- Enrichment of subject knowledge by organizing more seminars / workshops.

### Challenges

- To start Aided Courses both at the UG and PG level.
- To get motivated students because of the plethora of Engineering Colleges.
- Lack of interest in higher education and career advancement due to rural background.
- Establishment of new self-financing Arts and Science Colleges in and around Tiruchengode.



# Sengunthar Arts and Science College, Tiruchengode

## I. Profile of the Affiliated College

### 1. Name and address of the College:

Name : SENGUNTHAR ARTS AND SCIENCE COLLEGE  
Address : Tiruchengode, Namakkal Dist. TN  
  
City : Tiruchengode District : Namakkal State : Tamil Nadu  
Pin code : 637 205  
Website : [www.senguarts.co.in](http://www.senguarts.co.in) E-mail: [info@senguarts.co.in](mailto:info@senguarts.co.in)

### 2. For Communication:

Designation	Name	Tel.with STD Code	Mobile No	Fax No.	E-mail
Principal	Dr.S.Arumugam	04288283545	9842753229	04288284344	ksaru74@yahoo.com
Vice-Principal	-	-	-	-	-
Steering Committee Coordinator	Dr.D.Ravikumar	04288283545	9442988440	04288284344	info@senguarts.co.in

### 3. Status of the Institution:

- i. Affiliated College ☒
- ii. Constituent College ☐
- iii. Any other (specify) ☐

### 4. Type of Institution:

- a. By Gender
- i. For Men ☐
- ii. For Women ☐
- iii. Co-education ☒
- b. By Shift
- i. Regular ☒
- ii. Day ☐
- iii. Evening ☐

### 5. Is it a recognized minority institution?

Yes ☐ No ☒

If yes, specify the minority status (Religious/Linguistic/any other)

(Provide the necessary supporting documents)

## Sengunthar Arts and Science College, Tiruchengode

6. Sources of funding:

Government ☐

Grant-in-aid ☐

Self-financing ☒

Any other ☐

7. a) Date of establishment of the college :

Date	Month	Year
30	12	1990

b) University to which the college is affiliated: (If it is an affiliated college)

Periyar University, Salem

c) Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (if any)
i. 2(f)	-	-
ii. 12(B)	-	-

d) Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ Clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year	Validity	Remarks
AICTE	M.C.A.	17.11.1997	Till Date	F.No.TN- 23/MCP-CS/97

(Copy Enclosed – Annexure I)

8. Does the affiliating University Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes ☒ No ☐

If yes, has the college applied for autonomy?

Yes ☐ No ☒

9. Is the college recognized?

a) by UGC as a College with Potential for Excellence (CPE)?

Yes ☐ No ☒

If yes, date of recognition: ..... (dd/mm/yyyy)

## Sengunthar Arts and Science College, Tiruchengode

b) for its performance by any other governmental agency?

Yes

☐

No

☒

If yes, Name of the agency ..... and

Date of recognition: ..... (dd/mm/yyyy)

### 10. Location of the Campus and area in sq.mts:

Location	Rural
Campus area in sq.mts	89395 sq.mts.
Built up area in sq.mts	21262 sq.mts.

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

Auditorium/seminar complex with infrastructural facilities

☒

Sports facilities:

Play ground:

☒

#### i. Outdoor Games:

S.No	Infrastructure	No. of fields / Courts
1	Cricket Ground	One
2	Volleyball Court	One
3	Foot Ball Field	One
4	Kabbaddi Court	Two
5	Ball Badminton Court	One
6	Tennis court	Two
7	Basket Ball Court (cement)	One
8	400 Meters Cinder Track (8 Lane Standard Size)	One

#### ii. Indoor Games:

S.No	Infrastructure	No. of fields / Courts
1	Carom	One
2	Chess	-
3	Table Tennis	One
4	Physical Fitness and Weight Training	One
5	Store Room	One

## Sengunthar Arts and Science College, Tiruchengode

Swimming pool

-

Gymnasium

✓

We have a Physical Fitness Centre with the necessary equipment like multi station Gym and Weight Training set.

✓

**Hostel:**

**Boy's hostel:**

i. Number of hostels

1

ii. Number of inmates

133

iii. Facilities (mention available facilities)

Safe drinking water, recreation and sports facilities, reading room, audio visual equipment etc are available.

**Girls hostel:**

i. Number of hostels

1

ii. Number of inmates

42

iii. Facilities (mention available facilities)

Safe drinking water, recreation and sports facilities, reading room, audio visual equipment, internet, etc. are available

**Working women's hostel:**

i. Number of inmates

-

ii. Facilities (mention available facilities)

-

**Residential facilities for teaching and non-teaching staff  
(give numbers available — cadre wise):**

S.No.	Cadre	Boys Hostel	Girls Hostel	Total
01	Teaching Staff	02	05	07
01	Non-Teaching Staff	--	--	--

## Sengunthar Arts and Science College, Tiruchengode

---

**Cafeteria** : Canteen is functioning in the College campus.

**Health centre:** Our College has tie up with Local Hospital, which is situated in Tiruchengode city. The hospital provides all emergency treatment at free of cost to our students.

The Physical Director also has First Aid Kit in his room. The sportsmen and other students can avail the facility.

**Health center staff –**

Qualified doctor	Full Time	<input type="checkbox"/>	Part Time	<input checked="" type="checkbox"/>
Qualified nurse	Full Time	<input type="checkbox"/>	Part Time	<input checked="" type="checkbox"/>

**Facilities like banking, post office and book shops:**

- Stationary store is available inside the college campus, where the students and staff members can make use of it.
- Courier and Post Box facilities are available inside the campus.

**Transport facilities to cater to the needs of students and staff:**

Our own 23 college buses are there to take care of commuting requirements of Students and Staff members.

**Animal house:** NIL

**Biological waste disposal:** Facilities like Incinerator and necessary equipment provided.

**Generator or other facility for management/regulation of electricity and voltage:**

The College has 2 generators which gives uninterrupted power supply. Further in the Departments of Computer Science, Mathematics and English Language Laboratory, we are having UPS to do practical, etc. without any hindrance.

**Solid waste management facility:** Nil

**Waste water management:** Waste water is used in the Garden.

**Water harvesting:**

As per the direction of the Government of Tamilnadu, provisions are made for Rain Water Harvesting.

## Sengunthar Arts and Science College, Tiruchengode

### 12. Details of programmes offered by the college (Give data for current academic year):

S.No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned Student Strength	Number of students admitted
i)	Under-graduate	B.Com	3 yrs	10+2	English	70	70
		B.B.A.	3 yrs	10+2	English	120	96
		B.Com.(C.A.)	3 yrs	10+2	English	140	131
		B.C.A.	3 yrs	10+2	English	80	34
		B.Sc. Electronic & Communication	3 yrs	10+2	English	60	15
		B.Sc. Microbiology	3 yrs	10+2	English	50	50
		B.Sc. Biotechnology	3 yrs	10+2	English	80	47
		B.Sc. Biochemistry	3 yrs	10+2	English	40	33
		B.Sc. Mathematics	3 yrs	10+2	English	120	73
		B.Sc. Computer science	3 yrs	10+2	English	80	44
		B.Sc. Physics	3 yrs	10+2	English	40	22
		B.Sc. Chemistry	3 yrs	10+2	English	50	50
		B.A. English	3 yrs	10+2	English	70	62
ii)	Post-graduate	M.C.A.	3 yrs	UG with Maths	English	60	25
		M.Com.(C.S.)	3 yrs	UG	English	36	13
		M.Com.(C.A.)	3 yrs	UG	English	36	-
		M.Sc. Computer Science	3 yrs	UG	English	30	24
		M.Sc. Biochemistry	3 yrs	UG	English	30	02
		M.Sc. Biotechnology	3 yrs	UG	English	60	07
		M.Sc. Applied Microbiology	3 yrs	UG	English	60	14
		M.Sc. Mathematics	3 yrs	UG	English	36	17
iii)	M..Phil.	Microbiology	3 yrs	M.Sc.	English	15	-
		Biotechnology	3 yrs	M.Sc.	English	15	08
		Computer Science	3 yrs	M.Sc.	English	15	14
		Management	3 yrs	M.Sc.	English	15	15
iv)	Ph.D.,	Microbiology	3 yrs	M.Sc./M.Phil.,	English	16	05

## Sengunthar Arts and Science College, Tiruchengode

13. Does the College offer self-financed programmes?

Yes	✓	No	
-----	---	----	--

If yes, how many?

26

14. New programmes introduced in the College during the last five years, if any?

Yes	✓	No		Number	4
-----	---	----	--	--------	---

Details of New Programmes

S. No.	Name of the Course	Year of Affiliation
01	B.A. English	2010 – 2011
02	M.Sc., Mathematics	2014 – 2015
03	M.Phil., Computer Science	2014 – 2015
04	M.Phil., Management	2014 – 2015

15. List the Departments:

Faculty	Departments	UG	PG	Research
Arts	English	Yes	-	-
Science	Electronics & Communication	Yes	-	-
	Computer Science	Yes	Yes	Yes
	Microbiology	Yes	Yes	Yes
	Biochemistry	Yes	Yes	-
	Computer Applications	Yes	Yes	-
	Mathematics	Yes	Yes	-
	Biotechnology	Yes	Yes	Yes
	Chemistry	Yes	-	-
	Physics	Yes	-	-
Commerce	Commerce	Yes	-	-
	Commerce (C.A.)	Yes	Yes	-
	Commerce (C.S.)	-	Yes	-
Management	B.B.A.	Yes	-	Yes

## Sengunthar Arts and Science College, Tiruchengode

### 16. Number of Programmes offered under:

- a. Annual system  
b. Semester system  
c. Trimester system

-
26
-

### 17. Number of Programmes with:

a. Choice Based Credit System	26
b. Inter/Multidisciplinary Approach	-
c. Any other	-

### 18. Does the College offer UG and / or PG programmes in Teacher Education?

Yes		No	✓
-----	--	----	---

### 19. Does the College offer UG or PG Programmes in Physical Education?

Yes		No	✓
-----	--	----	---

### 20. Number of teaching and non-teaching position in the Institution:

Positions	Teaching Faculty						Non-teaching Staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/University/ State Government Recruited	-	-	-	-	-	-	-	-	-	-
Yet to recruit	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management / society or other authorized bodies	-	-	12	-	51	42	37	18	06	05
Recruited	-	-	12	-	51	42	37	18	06	05
Yet to recruit	-	-	-	-	-	-	-	-	-	-

\* M- Male \*F- Female



## Sengunthar Arts and Science College, Tiruchengode

### 21. Qualification of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt	-	-	-	-	-	-	-
Ph.D.	-	-	12	-	-	02	14
M.Phil	-	-	-	-	26	25	51
P.G. / U.G	-	-	-	-	14	15	29
Temporary Teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil	-	-	-	-	-	-	-
P.G./U.G.	-	-	-	-	-	-	-
Part-time Teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil	-	-	-	-	-	-	-
P.G./ U.G.	-	-	-	-	-	-	-

22. Number of Visiting Faculty / Guest Faculty engaged with the College:

--

23. Furnish the number of the students admitted to the College during the last four academic years:

Categories	2011 – 2012		2012 – 2013		2013 – 2014		2014 – 2015	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	55	24	71	29	83	48	74	44
ST	02	01	-	-	-	01	02	-
OBC	-	-	-	-	-	-	-	-
General	295	150	320	191	362	279	428	318
Others	-	-	-	-	-	-	-	-

24. Details on students enrollment in the College during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	1892	168	37	05	2102
Students from other states of India	-	-	-	-	-
NRI Students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	1892	168	37	05	2102

25. Dropout rate in UG and PG (average of the last two batches):

UG

1 %

PG

0.85 %

## Sengunthar Arts and Science College, Tiruchengode

### 26. Unit Cost of Education:

(Unit cost = Total annual recurring expenditure (actual) divided by total number of students enrolled)

a) including the salary component

Rs.19,391/-

b) excluding the salary component

Rs.9,778/-

### 27. Does the college offer any programme/s in distance education mode (DEP)?

Yes		No	✓
-----	--	----	---

### 28. Provide Teacher – student ratio for each of the programme / course offered:

S.No	Courses	Ratio
01	B.Com	01:20
02	B.B.A.	01:20
03	B.Com.(C.A.)	01:20
04	B.C.A.	01:20
05	B.Sc. Electronic & Communication	01:20
06	B.Sc. Microbiology	01:20
07	B.Sc. Biotechnology	01:20
08	B.Sc. Biochemistry	01:20
09	B.Sc. Mathematics	01:20
10	B.Sc. Computer science	01:20
11	B.Sc. Physics	01:20
12	B.Sc. Chemistry	01:20
13	B.A. English	01:20
14	M.C.A.	01:15
15	M.Com.(C.S.)	01:15
16	M.Com.(C.A.)	01:15
17	M.Sc. Computer Science	01:15
18	M.Sc. Biochemistry	01:15
19	M.Sc. Biotechnology	01:15
20	M.Sc. Applied Microbiology	01:15
21	M.Sc. Mathematics	01:15
22	M.Phil., Microbiology	01:05
23	M.Phil., Biotechnology	01:05
24	M.Phil., Computer Science	01:05
25	M.Phil., Management	01:05
26	Ph.D. Microbiology	01:08

## Sengunthar Arts and Science College, Tiruchengode

---

29. Is the college applying for:

Accreditation: Cycle 1 ☒ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐  
Re-Assessment ☐

30. Date of accreditation: **Not Applicable**

31. Number of working days during the last academic year:

180 days

32. Number of teaching days during the last academic year:

180 days

33. Date of establishment of Internal Quality Assurance Cell (IQAC):

IQAC: 02.10.2014

34. Details regarding submission of Annual Quality Assessment Reports (AQAR) to NAAC:

**Not Applicable**

35. Any other relevant data (not covered above) the College would like to include (Do not include explanatory / descriptive information).

- The college has won the best college award for its academic proficiency and unparalleled discipline by Namakkal District Consumer Forum for the years 2003 and 2004.
- The college has to its credit 62 gold medals and 484 university ranks since its inception.
- Department of Microbiology has got 15 Gold Medallions and 73 ranks in University Examinations. The female medal holders were awarded Rs.18 lacs from the Central Govt Funded Project (INSPIRE).
- Department of Bio-technology has achieved 18 university ranks and three gold medals from the Periyar University.
- Bio-Technology department was also awarded a Government sponsored student research project from TamilNadu State Council for Science and Technology, Chennai.

## 2. CRITERIA – WISE INPUTS

### CRITERION I: CURRICULAR ASPECTS

#### 1.1 Curriculum Planning and Implementation

1.1.1 *State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.*

##### **Vision:**

To provide quality higher education to the rural youth with an affordable cost to mold them with better conduct and character committed to societal needs and national development.

##### **Mission:**

To be innovative, inclusive institution, committed to excellence in teaching, research and knowledge transfer and to serve the social, cultural and economic needs of the nation.

##### **Values:**

Excellence – Integrity – Innovation – Diversity – Social Responsibility – Sustainability

##### **Objectives:**

- To equip students to face the present day world by imparting perfect academic, cultural and moral principles.
- Practicing total quality management to ensure student-centered teaching-learning processes.
- To provide Quality Education combined with value addition and character building so that our students are able to succeed in their life and become good citizens of India.
- Practice total quality management to achieve desired results.
- Ensure academic excellence by achieving 100% pass in the university examinations.
- Developing close links between Industry-Institute by interaction programs. High priority is given to activities designed to bring about improvement in the performance of industries.
- Achieve total placement of students by improving their personality, technical skills and domain knowledge.

- Identify the present day requirements for professionals (engineers/technologists/managers) and meeting the future human resource needs.
- To foster value based education to the students through mentoring, counseling, guiding and developing them to be recognized as good personalities.
- To nurture students through various modes of learning.
- To enhance the student's employability skills and social opportunities by improving their understanding and command over the English language and soft skills training.
- To create an exposure in developing the competencies of the students in order to prepare them to face the challenges of the changing world.
- To focus on full fledged research center and to encourage industry academia interactions.

### **Communication to stakeholders**

The following criteria have been used to communicate the Vision, Mission and the Objectives of the college to the stakeholders:

- The vision and mission is displayed in the main reception area of the college
- It is also communicated through prospectus, college handbook, and college newsletter
- It is also displayed on college websites, and advertisements of the college.
- It is also highlighted in the orientation programmes, conferences, workshops and intercollegiate fests, parent-teacher meet and other important gatherings.

#### *1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).*

- SASC being an affiliated college, follows the curriculum designed by the Affiliating University, Periyar University.
- The department head with the co-ordination of its faculty conducts meetings to strategically plan for the effective implementation of the curriculum.
- Necessary lesson plans are framed at the beginning of the academic year which will be at par with the university guidelines to complete the syllabus within the stipulated time frame.

- Tests, internals and periodic assessments are planned periodically to evaluate the performance of the students. Organizing expert lecture series, workshops, and guest lectures to encourage industry-academia interface among students and faculty members are on a regular basis.
- Industrial visits are arranged for the students to be familiar with the industry process to study in the curriculum.

### 1.1.3 *What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?*

The University prescribed syllabus includes subject lesson plan hours for both theory and practical stating reference and recommended books along with practical component hours. Support facilities available to the faculty for improving their teaching efficiency includes: access to books in the department and central library and E-resources. Various E-journal downloading facilities are made available in the college library based on the prescribed curriculum by the university.

- Wi-Fi internet facility is available.
- Senior faculty in the department are motivated towards conduct of conferences, symposia, writing research papers, research projects, registration for Ph.D., publication of books, etc.
- Curriculum along with academic regulations of various programmes is made available in hard copies in the Department and Library.
- Academic calendar is notified by the university well in advance, circulated to the staff and students and the Institution academic calendar incorporates the working details and schedules of Curricular, Co-curricular and extra-curricular activities.
- Faculty members are encouraged to attend faculty development programs to enhance their teaching skills.
- Various journals and a wide range of reference books are provided in the college library.
- The college also sponsors Faculty Development Programmes for its teaching staff.

## Sengunthar Arts and Science College, Tiruchengode

---

- The faculties are encouraged to attend seminars/workshops/conferences and conduct research activities.
- Faculty members are also deputed to attend Orientation/Refresher Courses organized by the Academic Staff Colleges of various Universities to update their knowledge on latest inclusions in the syllabus.
- Institution provides all the necessary required infrastructural facilities and ICT equipment for improving teaching methodologies and practices.

### *1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.*

Given below are the contributions and initiatives given by the institution for effective curriculum delivery and transaction on the curriculum provided by the affiliating university:

- We use ICT Enabled Curriculum Delivery methods such as Learning Management System and Virtual classroom being the major ones.
- Good ambience and well ventilated class rooms are provided for the students.
- Wi-Fi connection is available throughout the campus.
- Smart Class rooms equipped with Interactive Board with Learning Management System software.

Above-average students are encouraged and motivated towards excelling in their academic performance. Academically weak students are identified and remedial classes are conducted to improve their academic performance.

- The college has state of art class rooms with modern infrastructure.
- The college has a State of art, oceanic and resourceful library covering an area of 6800 sq. ft. housing around 27,215 books and 216 international journals and magazines.
- The institution is also a member of the British Council Library, Chennai.
- Sophisticated lab equipment such as Phase Contrast Microscope, PCR, UV-visible spectrophotometer, ELISA reader, Ultra cooling, Centrifuge etc., are available in the Department of Microbiology.

## Sengunthar Arts and Science College, Tiruchengode

---

- Department of Biotechnology has fully air conditioned separate laboratories for plant tissue culture, animal tissue culture, Bioprocess technology, Molecular Biology and Genetic Engineering.
- The college has a most modern air conditioned conference hall with audio and video facility.

### 1.1.5 *How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?*

To enrich the knowledge of students, to meet the content beyond the syllabus and to gain knowledge on the recent trends, regular guest lectures and seminars by eminent industry personalities are conducted.

The institution has Placement cell which networks and interacts with the representatives of industry. The HR managers and industry professionals are regularly invited to the campus to interact with the students on career challenges and opportunities.

As part of industry academia interface regular industrial visits, educational tours are organized for the students to bridge the gap between academia and corporate.

The faculty of various departments is encouraged to attend workshops organized by the University regarding syllabi revisions, to facilitate the discussion regarding the necessary changes in the syllabus, and to provide their inputs to the forum regarding the same. This also includes regular communication between Board of Studies and the Department faculty for continuous improvement in the teaching-learning process.

Professors and Doctorates of our college have been members of Board of Studies and examiners.

- College has a Governing Council and a Development Council which consist of reputed experts from industry and academia who periodically review and ensure that institutional goals are translated into activities.



## Sengunthar Arts and Science College, Tiruchengode





---

- Industrial/Institutional Visits are conducted periodically. Some of the visits can be listed as follows:
  - \* IISc.Bangalore
  - \* CFTRI Mysore
  - \* CFMRI Cochin
  - \* Aavin Dairy, Salem
  - \* Adyar Cancer Institute, Chennai
  - \* IIHR, Bangalore
  - \* Pasteur Institute, Coonoor
  - \* NIN Hyderabad
  - \* Center for Cell and Molecular Biology, Hyderabad
  - \* Cancer Institute, Chennai
  - \* Rajiv Gandhi Center for Biotechnology, Trivendrum
  - \* Kingfisher, Goa
  - \* HATSUN, Chennai
  - \* SPB, Erode
  - \* Idhayam, Virudhunagar
  - \* TNPL, Karur
  - \* Parle-G, Goa
  - \* Cochin Stock Exchange, Cochin
- Students are encouraged to pursue research activities in leading institutions such as IIHR Bangalore, Mahatma Gandhi National Institute of Research and Social Action (MGNIRSA) Hyderabad, Barathiyar University, Bharatidasan University and Periyar University, etc...
- Institution has networking schemes with other institutions and industries through MoUs for Placement and training programs and certification programs.




## Sengunthar Arts and Science College, Tiruchengode

1.1.6 *What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.,).*

### OUR FACULTY AS MEMBERS/CHAIR PERSONS IN BOARD OF STUDIES

Sl.No	Name and Designation	Photo	Designation	University Position	Year
1	Dr. S. Arumugam, Principal		Principal	<ul style="list-style-type: none"> <li>Syndicate Member in Periyar University</li> <li>CHAIRMAN in Board of Studies in Microbiology</li> </ul>	2014-2017
2	Dr. D. Ravikumar		Head cum Asso. Prof.	<ul style="list-style-type: none"> <li>Chairman Board of Studies In Management Studies-UG</li> <li>Senate Member in Periyar University</li> <li>Member in Standing Committee on academic affairs, Periyar University.</li> </ul>	2014 to Till Date
				<ul style="list-style-type: none"> <li>External Member in Board of Studies in Selvamm Arts and Science College</li> </ul>	2011 to Till Date
3	Mr. S. Ravikumar		Head cum Asst. Prof.	<ul style="list-style-type: none"> <li>Chairman Board of Studies in Electronics - UG</li> <li>Member in Standing Committee on academic affairs, Periyar University.</li> </ul>	2014 to Till Date
4	Dr. S. Ravikumar		Head cum Asso. Prof.	<ul style="list-style-type: none"> <li>Chairman Board of Studies in Corporate Secretary ship (UG and PG)</li> <li>Member in Standing Committee on academic affairs, Periyar University.</li> </ul>	2014 to Till Date

## Sengunthar Arts and Science College, Tiruchengode

Sl.No	Name and Designation	Photo	Designation	University Position	Year
5	Dr. V. Senthil Raja		Assistant Professor	<ul style="list-style-type: none"> <li>Member in Board of Studies in Corporate Secretary ship</li> </ul>	2011 to Till Date
7	Mr. C. Dhanrajan		Assistant Professor	<ul style="list-style-type: none"> <li>Member in Board of Studies in Electronics - UG</li> </ul>	2008 to Till Date
8	Mrs. N. Vidhya Devi		Assistant Professor	<ul style="list-style-type: none"> <li>Member in Board of Studies in Management Studies PG</li> </ul>	2014 to Till Date

### Students feedback:

- Feedback is obtained from students at the end of each semester in standard written format.
- Feedback is taken during class committee meetings.
- Feedback is taken individually by subject teachers in the class room.
- Feedback is collected by Heads of the department with details of the syllabus covered.
- Feedback is taken directly by Principal from the students department-wise.
- Feedback is also being collected by the respective mentors.

The end-semester result analysis also is taken as part of feedback process.

### ➤ Alumni feedback:

Inputs as part of feedback are taken from alumni at the end of the course also whenever they visit the campus to collect their certificates, testimonials and recommendation letters.

➤ **Parents feedback:**

Feedback is being taken during parents'-teachers' meeting.

➤ **Employers / industries**

The feedback is collected from the employers and industries during the placement interviews, visit of faculty to industries for evaluation of student projects and project interactions.

➤ **Academic peers feedback:**

The feedback is collected from the external examiners, experts invited for Guest lectures and industry experts.

➤ **Community feedback:**

As parents form a major chunk of community who are intended in the overall growth of the institution their feedback is also taken during the regular meetings conducted with them. Thus the college has its value based mechanism to obtain feedback on curriculum from academic peers, outgoing students, alumni, industry experts and parents.

*1.1.7. Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.*

- The college does not offer any program/course other than those offered by the Affiliating University. However, timely modifications are made to meet the global trends through curriculum update, projects, industrial visits, guest lectures, workshops, faculty development programmes, participation in seminars, symposiums, Technical fests, National and International conferences by students and faculty. Certificate courses and add-on courses are efforts to supplement the gap in learning and to add value to existing courses.

## Sengunthar Arts and Science College, Tiruchengode

---

- Sengunthar Arts and Science College has developed Online Certificate Courses which are helpful to our students for ICT enabled learning methodologies.
- We use Learning Management System (LMS) to deliver the content to students on a real time basis.

### *1.1.8. How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?*

The objectives of the curriculum are achieved by the following practices:

- Implementation of well framed feedback mechanism.
- Organization of participation in national/international level symposia.
- Organization of national / international conferences and guest lectures.
- Development of technical skills through workshops/certificate courses.
- Introduction of certificate courses and value added courses.
- Outreach programmes for social and environmental awareness.
- In-house projects as orientation towards research.
- Development of soft skills through workshops, seminar, and paper presentations.
- Launching of in-house magazines which help students explore and assimilate technical writing skills.
- Organizing industrial visits to various public and private sector companies.
- Encouraging co-curricular and extra-curricular activities of students through organizing annual event of the college
- All the above are in addition to strict adherence to academic calendar and teaching plans. Some of the best practices in curricular aspects that has been planned and implemented by the institution are as below:
  - Introduction of online certificate courses for UG and PG students.
  - Emphasis to hard and soft skill development.
  - Emphasis to global competencies.

## Sengunthar Arts and Science College, Tiruchengode

---

- The college encourages and trains students to participate in various competitions at inter collegiate and national levels that have resulted in their winning many prizes and exposure to recent developments in their chosen disciplines.
- Student Performance is evaluated based on internal assessment & grades, semester exams, Project work, presentations, organizing seminars and workshops, skill based programmes and curriculum based training.
- By continuous evaluation the teacher will be able to analyze the attainment of objectives for that respective subject.
- The status of achievement of the stated objectives of the curriculum are reviewed after every academic year using data analytics such as Graphs/Trend charts/Quality Tools and the same is reviewed in Management Review meetings. The corrective actions and new goal setting if any are documented.
- Quality Enhancement of Faculty – Regular enhancement of teaching and delivery skills along with the theoretical inputs through participation in national and international workshops, seminars, conferences, discussions etc.
- Achievements of Faculty – Professional qualifications pertaining to the areas of specialization, paper presentations and publications in reputed journals.
- Overall Performance of the Institution - Participation in various cultural activities, competitive exams, achieved stakeholder's benefits, progression of alumni, and keeping up the brand name of the Institution.
- Awareness Program – Health and Hygiene, Computer Awareness, Human Rights, Environmental Issues, Women Empowerment.
- Social Service to the Community – Conducting outreach activities such as Blood donation, NSS in order to serve the society.

## 1.2 Academic Flexibility

### 1.2.1 *Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.*

- As the students are in the midst of the cut throat and rat-race competition, institution has taken initiation to start the programmes on Communication Skills, Personality Development etc., in a very creative manner to meet the global challenges by the students.
- Programming in C, COBOL, JAVA, RDBMS, C++ are conducted by the department of Computer Science.
- Training programs in IT training, Office Automation, MS Office, are conducted by the department of BSc Electronics and Communication.
- Project activities such as Photochemical screening, Pharmacological studies, Synthesis of Organic compounds are conducted by the department of Chemistry.
- Guest lectures by eminent professors, scientists, experts from industries and educational institutions are organized at regular intervals.
- Soft Skills and Personality Development programs in regular intervals by corporate trainers.

### 1.2.2 *Does the institution offer programs that facilitate twinning /dual degree? If 'Yes', give details.*

No, The institution does not offer programmes that facilitate twinning / dual degree. But We have a perspective plan for next five years which include Twinning Degree of Periyar Univeristy.

## Sengunthar Arts and Science College, Tiruchengode

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

- Range of Core / Elective options : Yes
- Choice based credit system and range of subject options : Yes
- Courses offered in modular form : Yes
- Credit transfer and accumulation facility : No
- Lateral and vertical mobility within and across programs and courses : Yes
- Enrichment courses : Yes

1.2.4 Does the institution offer self-financed programs? If 'yes', list them and indicate how they differ from other programs, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes all programs offered by the college are self financed programs.

UG Courses	
S.No	Courses
01	B.Com
02	B.B.A.
03	B.Com.(C.A.)
04	B.C.A.
05	B.Sc. Electronic & Communication
06	B.Sc. Microbiology
07	B.Sc. Biotechnology
08	B.Sc. Biochemistry
09	B.Sc. Mathematics
10	B.Sc. Computer science
11	B.Sc. Physics
12	B.Sc. Chemistry
13	B.A. English



## Sengunthar Arts and Science College, Tiruchengode

---

PG Courses	
S.No	Courses
14	M.C.A.
15	M.Com.(C.S.)
16	M.Com.(C.A.)
17	M.Sc. Computer Science
18	M.Sc. Biochemistry
19	M.Sc. Biotechnology
20	M.Sc. Applied Microbiology
21	M.Sc. Mathematics
Research Programmes	
22	M.Phil., Microbiology
23	M.Phil., Biotechnology
24	M.Phil., Computer Science
25	M.Phil., Management
26	Ph.D. Microbiology

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such Programme and the beneficiaries.

- As the students are in the midst of the cut throat and rat-race competition, institution has taken initiation to start the programmes on Communication Skills, Personality Development etc., in a very creative manner to meet the global challenges by the students.
- Programming in C, COBOL, JAVA, RDBMS, C++ are conducted by the department of Computer Science.
- Training programs in IT training, Office Automation, MS Office, are conducted by the department of BSc Electronics and Communication.
- Project activities such as Photochemical screening, Pharmacological studies, Synthesis of Organic compounds are conducted by the department of Chemistry.

## Sengunthar Arts and Science College, Tiruchengode

- Guest lectures by eminent professors, scientists, experts from industries and educational institutions are organized at regular intervals.
- Soft Skills and Personality Development programs in regular intervals by corporate trainers.

**Details of Skill Development Programme for various departments are as follows:**

Sl No.	Programme	Period
01	Business Process Excellence	07-01-2011
02	Employability Skills	27-01-2011
03	Safety Health Environment	22-08-2011
04	Yoga for human excellence	24-08-2011
05	Shares & Securities	26-08-2011
06	Awareness Programme “Human Rights”	30-08-2011
07	Business And Job Opportunities	06-09-2011
08	Consumer Awareness	14-01-2011
09	Preparing IAS Examination	25-01-2012
10	Quality Control in Modern Behaviour	28-01-2012
11	Latest Marketing Strategy	14-03-2012
12	Emerge to merge	25-06-2012
13	Training and Development	05-07-2012
14	A Gate Way to Professional Facilitation And Vocational Mentoring	20-1-2014
15	How To Become an Entrepreneur	22-08-2012
16	Stock Market	23-08-2012
17	HR Issues	27-08-2012
18	Retail management	28-08-2012
19	Yoga For Human Excellence	29-08-2012
20	Yoga For Human Excellence	30-08-2012
21	HR Issues and Challenges	25-01-2013
22	Management Challenges for 21st Century	07-02-2013
23	Banking Current Scenario	20-09-2013
24	Industrial Relation	21-09-2013
25	Self Motivation	28-09-2013
26	Health & Safety Measures	19-10-2013
27	Transformation of Education to Profession	25-02-2014

## Sengunthar Arts and Science College, Tiruchengode

### Mathematics

Sl No.	Programme	Period
01	Workshop on Matlab	11-09-2011
02	Ramanujam Day	22-12-2011
03	Maths Quiz 2k12	2-3-2012
04	Learning Mathematics a proper approach	4-08-2012
05	Ramanujam Day	22-12-2012
06	Modern Allebra	09-02-2013
07	SCI Lab	22-02-2013
08	Mathematics in Real Life	12-07-2013
09	Education and Training in nature Conservation & Eco Development	19-09-2013 - 21-09-2013
10	Ramanujam Day	22-12-2013
11	Differential Equations and its applications	08-09-2014
12	We are plan to conduct a workshop on “ Modern Trends in Mathematics	2014

### English

Sl No.	Programme	Period
1	The Inauguration of Pegasus literary association	02-02-2012
2	Developing communication skills	06-03-2013
3	Life and Literature	19-02-2014

### Biochemistry

Sl No.	Programme	Period
1	Role of Fibre in Human Nutrition	06-03-2013
2	Holistic Health	06-03-2014

## Sengunthar Arts and Science College, Tiruchengode

### Chemistry

Sl No.	Programme	Period
1	Role of Fibre in Human Nutrition	06-03-2013
2	Holistic Health	06-03-2014

### Biotechnology

Sl No.	Programme	Period
01	National level Seminar on Vista's in plant and Microbial Technology	19.02.2010
02	Inservice Training for Secondary Grade Teachers for Namakkal District	20.12.2012 – 24.12.2010
03	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	05.09.2011 – 07.09.2011
	7 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	23.05.2011 – 01.06.2011
04	Workshop on Agribiotechnology for Sustainable Agriculture and Health Environment	24.02.2011 – 25.02.2011
05	National symposium on Global Warming and Environmental Protection through Biotechnology	23.02.2011
	State Level workshop on AgriBiotechnology	24.02.2011
	State Level workshop on Medical/Clinical technology	25.02.2011
	Seminar on Nanotechnology & Biomolecular Drug Designing Workshop	26.02.2011
	Science Exhibition & Life Science Awareness Programme	27.02.2011
6	Winter School-Five Days Training programme on Food Preservation Technology	14.02.2014 – 18.02.2014

## Sengunthar Arts and Science College, Tiruchengode

7	8 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	23.05.2011 – 01.06.2012
8	A Short term Training on Plant Tissue Culture-A Holistic Approach	13.02.2013 – 15.02.2013
9	National level seminar “UNIVERSAL PANORAMA IN MASTERING MICROBES”	28.02.2014
19	Workshop on Agri biotechnology for Sustainable Agriculture and Health Environment	24.02.2011 – 25.02.2011
20	One day science to technology Interaction Programme	11.10.2014
21	One day Special Guest Lecture on Personality Development & Sustainable Energy	07.01.2015
22	One day Intercollegiate level Institute Industry Bridge Programme	06.02.2015

### Microbiology

Sl No.	Programme	Period
1	Gene Therapy	04-09-2014
2	Universal Panaroma In Mastering Microbers	28-02-2014

### Commerce (C.A.)

Sl No.	Programme	Period
1	Learning Tally ERP 9	07-02-2014

### Business Administration

Sl No.	Programme	Period
1	National Level Seminar	05-03-2010
2	Creating New Entrepreneur	25-03-2015
3	Tex –Valley Marketing	09-02-2015

1.2.6 *Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?*

**NO**, since the institution is affiliated to university there is no provision for flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice.

### 1.3 Curriculum Enrichment

1.3.1 *Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?*

To build the competencies of the students, the college emphasizes on nurturing the total development of the students along with excellence in their academic performance; which also includes the assessment of students and faculty with an internal quality system. Over the years, the institute has extended its own boundary by offering a wide range of skill based training programmes, Faculty Development programmes, workshops, to facilitate the needs of the student, society and the teaching- learning process

- In integrating institutional goals and objectives on par with the university curriculum the academic programs are designed in the form of calendar of events and accordingly it is going to be executed in the following ways:
- The institution has appointed highly qualified teachers for both UG and PG courses.
- Seminars and workshops are conducted regularly. To quote a few examples,
  - National Level Seminar on “Microbes in war and peace”
  - National Level Seminar on Universal Panorama in Mastering Microbes.
  - Short term training on Plant Tissue Culture
  - Short term workshop in food preservation technology.

- National Level Management meet – Sagacious.
- Guest lectures are organized periodically.
- Workshops are conducted to impart knowledge about learning skills, communication, awareness programs about financial investment, legal aspects, women health etc
- Industrial visits are organized for the students to enable them to have practical exposure.
- Mentor-ward system is maintained for an effective implementation of the teaching learning process.
- Periodic internal assessments are conducted and the same is communicated to the wards and their parents.

### ***1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?***

- Skill Development Programs are offered to all the students to meet the requirements of the present dynamic Employment Market.
- Training and HR personnel are invited to interact with students to orient them towards the changes in the market needs and become suitable for their career placements.
- The institution has a state of art library with journals and business magazines which enable students to update the needs of changing market trends.

#### **Details of diploma courses:**

<b>Sl.No.</b>	<b>Programme</b>	<b>Period</b>
01	Diploma in Co operative	2011
02	Diploma in Marketing	2011
03	Diploma in Computer Hardware & Networking	2011
04	Summer Camp Programme in Microbiology & Biotechnology	2012
05	Oracle SQL Programme	2013

### **1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change and Environmental Education, Human Rights, ICT etc., into the curriculum?**

- Various Seminars are conducted from experts to solve the problem on issues relating to gender. The anti sexual harassment cell takes care of prevention of sexual harassment and other women grievances.
- Students are sensitized on issues like Global warming, air & water pollution, ecology & environment are sensitized.
- College is creating awareness among students in energy conservation programs like Bi-cycle day, Use efficient lighting, plastic free campus, turn off electric devices, plantation of new trees, reuse and recycle day etc through Eco-club, NSS etc.
- Faculties are advised to use ICT tools like LCD / OHP as a part of effective teaching. Well equipped computer labs are provided to the students.

### **1.3.4 What are the various value-added courses/enrichment programmes offered to ensure Holistic development of students?**

- The College NSS team regularly visits surrounding areas of village to promote awareness of various social, moral, ethical principle and way of life.
- To develop the moral order and spiritual sustenance among the students, Institution invites specially trained people to conduct programs on Yoga.
- Students are trained in the areas of Communication Skills, Behavioural Skills and Analytical Skills to face the Competitive Examinations and Interview Panels.
- Personality Development programs are also conducted for the students by the External Experts.
- In addition to the Career Guidance and Placement Cell regular activities, external experts are also invited to guide the students in better career options and wide range of placements.



### **1.3.5** *Citing a few examples enumerate on the extent of use of the feedback from Stakeholders in enriching the curriculum?*

- Feedback forms are designed for students so as to facilitate their understanding of the course content, their expectations, and comfort level and to indicate gaps envisaged by them. Student feedback is taken after completion of syllabus of each subject, usually at the end of each semester.
- Alumni feedback is taken formally during the annual meet and informally during faculty- alumni interaction. The feedback is recorded in predesigned formats whereas the feedback emanating from the informal interaction is recorded by the interacting faculty.
- Parents feedback is collected informally during parent teachers meet.
- The feedback is obtained from the employers informally, when the students and the lecturers meet during the Industrial Visits.
- Feedback is collected during conferences, symposium, Feedback is also obtained informally from the visiting faculty, guest faculty and permanent faculty. Usually the feedback is informal and oral.

Feedback and suggestions help us in enriching the curriculum thereby introducing new programmes and changes. The feedback of students, faculty, Alumni, Parents, Industries, Academic Peers, are analyzed in the light of course content, design, syllabus, Lecturers involvement and quality of teaching.

### **1.3.6** *How does the institution monitor and evaluate the quality of its enrichment programmes?*

The quest for excellence forms part of the institutional motto. The institution regularly monitors and evaluates the quality of its enrichment programmes by:

- Feedback mechanisms from students that help improve upon the existing teaching – learning process.

- Establishment of IQA cell for linking the various issues related to enriching the academic atmosphere in the institution and continuous striving towards academic excellence
- At the beginning of the academic year, each Department submits its Annual Comprehensive Academic plan and other academic activities to be organized.
- The principal with his staff regularly monitors the implementation of the academic programs and offer the required suggestions to enrich the programs. As part of evaluating the quality of programmes the results of IQAC review are well utilized in introducing special classes for above average students, bridge sessions and remedial classes for weak students. Thus the outcome suggestions are taken into account for continuous improvements in quality. Directing students on the path of values, providing opportunities for students to secure jobs are some of the practices adopted by the college in its quest for excellence.

### 1.4 Feedback System

#### 1.4.1 *What are the contributions of the institution in the design and development of the curriculum by the University?*

As an affiliated college, it has limited academic freedom. Hence, the design of curriculum and syllabi is taken care by the academic council, senate and syndicate of the university. The institute regularly contributes to the design and development of the university curriculum in the following ways:

Senior faculty members of our institution are on the Board of Studies as members and chairperson, thereby contributing to the design and development of the curriculum of the various courses.




Faculty members are deputed to attend the workshops and faculty development programmes conducted by the university relevant to design and development of the curriculum.

## Sengunthar Arts and Science College, Tiruchengode





Faculty members also contribute by attending syllabus review workshops conducted by the university.

The institution has its value based mechanism to obtain feedback on curriculum from academic peers, outgoing students, alumni, industry experts and parents. The institution has an Academic Committee looks after the affairs of the feedback process and analysis of implementation of curriculum. The expert teams from the university visits the institution for the purpose of inspection.

### OUR FACULTY AS MEMBERS/CHAIR PERSONS IN BOARD OF STUDIES

Sl.No	Name and Designation	Photo	Designation	University Position	Year
1	Dr. S. Arumugam, Principal		Principal	<ul style="list-style-type: none"><li>Syndicate Member in Periyar University</li><li>CHAIRMAN in Board of Studies in Microbiology</li></ul>	2014-2017
2	Dr. D. Ravikumar		Head cum Asso. Prof.	<ul style="list-style-type: none"><li>Chairman Board of Studies In Management Studies-UG</li><li>Senate Member in Periyar University</li><li>Member in Standing Committee on academic affairs, Periyar University.</li></ul>	2014 to Till Date
				<ul style="list-style-type: none"><li>External Member in Board of Studies in Selvamm Arts and Science College</li></ul>	2011 to Till Date
3	Mr. S. Ravikumar		Head cum Asst. Prof.	<ul style="list-style-type: none"><li>Chairman Board of Studies in Electronics - UG</li><li>Member in Standing Committee on academic affairs, Periyar University.</li></ul>	2014 to Till Date

## Sengunthar Arts and Science College, Tiruchengode

Sl.No	Name and Designation	Photo	Designation	University Position	Year
4	Dr. S. Ravikumar		Head cum Asso. Prof.	<ul style="list-style-type: none"> <li>Chairman Board of Studies in Corporate Secretary ship (UG and PG)</li> <li>Member in Standing Committee on academic affairs, Periyar University.</li> </ul>	2014 to Till Date
5	Dr. V. Senthil Raja		Assistant Professor	<ul style="list-style-type: none"> <li>Member in Board of Studies in Corporate Secretary ship</li> </ul>	2011 to Till Date
7	Mr. C. Dhanrajan		Assistant Professor	<ul style="list-style-type: none"> <li>Member in Board of Studies in Electronics - UG</li> </ul>	2008 to Till Date
8	Mrs. N. Vidhya Devi		Assistant Professor	<ul style="list-style-type: none"> <li>Member in Board of Studies in Management Studies PG</li> </ul>	2014 to Till Date

The university expert team interacts with students and the faculty of the various departments on several aspects curriculum, teaching – learning process and availability of facilities and the same is conveyed to the university.

In addition the Vice Chancellor convenes meeting of Principals of all the affiliated institutions and obtains their opinion on matters of importance.

***1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?***

- Feedback is obtained from students and the same is analyzed in a strategic way. All constructive suggestions for the curricular improvements and up gradation are considered & discussed with academic & industry experts. Such outcome and suggestions are conveyed to the university through our faculty representatives during university organized meeting, central valuation, etc.
- Feedback is collected in the prescribed format from all the stakeholders on the curriculum and Teaching learning. Director, HOD by the college and the final outcomes are communicated Principal/Management.

***1.4.3 How many new programs/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programs?)***

- B.A. English
- M.Sc. Mathematics
- M.Phil., Management
- M.Phil., Computer Science

The rational for introducing new course such as B.A. English, M.Sc. Mathematics, M.Phil., Management and M.Phil., Computer Science, is that there is scope for teaching post in both government and private Institutions.

## Criterion- II: Teaching-Learning and Evaluation

### 2.1 STUDENT ENROLMENT AND PROFILE

#### 2.1.1 *How does the college ensure publicity and transparency in the admission process?*

- Prospectus is issued along with the application form to the aspiring students who seek admission. The prospectus contain in details about the college, programs offered, faculty available, facilities available, achievements of the college etc.,
- The college website “senguarts.co.in” also provides detailed information about the college. Interested students can also apply online.
- Advertisements are also published in the local newspapers immediately after one semester informing that the admissions are open for the following academic year.

#### 2.1.2 *Explain in detail the criteria adopted and process of admission (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programs of the Institution.*

##### **Rules of Reservation:**

The admissions are made purely on the basis of Merit subject to the rule of reservation of the Government of Tamil Nadu.

- 31% for Open Competition (OC)
- 30% for Backward Classed (BC) within this 3.5% is earmarked for Muslims.
- 20% for Most Backward classes (MBC) and Denotified Communities (DNC)
- In the 18% for Scheduled Castes (SC), 3% of seats offered to Arunthathiyar (within the seats reserved for SC)
- 1% for Scheduled Tribes (ST)

##### **50% of seats are reserved for management Quota.**

Certain seats are reserved for special categories as detailed below:

Sports Quota U.G.	– 3% of the total seats.
P.G.	– 2% of the total seats.
Physically Handicapped UG	– 3% of the total seats.
Ex-servicemen quota UG	– 6 seats.

## Sengunthar Arts and Science College, Tiruchengode

- PG course admission are based on the candidates who have secured 55 % of marks or above in the Bachelor's degree as per Periyar University norms.
- M.C.A. admission are based on as per AICTE norms Common Entrance Examination conducted by Anna University, Chennai or Association of Management of Coimbatore Anna University Affiliated Colleges, Coimbatore.
- M.Phil., and Ph.D., course admissions are based on entrance test as per Periyar University norms.

**1.1.2 Give the minimum and maximum percentage of marks for admission at entry Level for each of the programs offered by the college and provide a Comparison with other colleges of the affiliating university within the city/district.**

Year	Program	Sengunthar Arts & Science College		Other college	
		Minimum %	Maximum %	Minimum	Maximum
2010-2011	B.COM.	37.5	82.33	Data not available	Data not available
	B.COM. (C.A.)	42.75	87.33	Do	Do
	B.B.A.	42	87	Do	Do
	B.Sc.(Ele&Comm)	49	82.58	Do	Do
	B.Sc. (Comp. Sci.)	41.58	74.75	Do	Do
	B.C.A.	43.3	85	Do	Do
	B.Sc.(Microbiology)	46.03	70	Do	Do
	B.Sc.(Mathematics)	42	86.25	Do	Do
	B.Sc.(Biotechnology)	49	78	Do	Do
	B.Sc.(Chemistry)	49	77.7	Do	Do
	B.A. (English)	49.41	88.75	Do	Do
	M.C.A.	52	89.5	Do	Do
	M.Sc. (Comp. Sci.)	53	90	Do	Do
	M.Sc. (App. Mic.)	67	81	Do	Do
	M.Sc. (Biotech)	53	74	Do	Do
	M.Com.(C.S.)	51.82	73.68	Do	Do

## Sengunthar Arts and Science College, Tiruchengode

2011-2012	B.COM.	45.41	77.08	Do	Do
	B.COM. (C.A.)	41.58	91.92	Do	Do
	B.B.A.	38.25	82.5	Do	Do
	B.Sc.(Ele&Comm)	45.75	66.83	Do	Do
	B.Sc. (Comp. Sci.)	54	77	Do	Do
	B.C.A.	47	83	Do	Do
	B.Sc.(Microbiology)	48.66	60	Do	Do
	B.Sc.(Biochemistry)	47	67	Do	Do
	B.Sc.(Mathematics)	45.5	85.08	Do	Do
	B.Sc.(Biotechnology)	46	74	Do	Do
	B.Sc.(Chemistry)	41	84	Do	Do
	B.A. (English)	43.83	87.33	Do	Do
	M.C.A.	59	86	Do	Do
	M.Sc. (Comp. Sci.)	50	82	Do	Do
	M.Sc. (App. Mic.)	70	76	Do	Do
	M.Sc. (Biochem)	69	73	Do	Do
	M.Com.(C.S.)	59.1	75.37	Do	Do
2012-2013	B.COM.	48.83	88.08	Do	Do
	B.COM. (C.A.)	41.17	90.83	Do	Do
	B.B.A.	40	90	Do	Do
	B.Sc.(Ele&Comm)	48.67	71.5	Do	Do
	B.Sc. (Comp. Sci.)	41	86	Do	Do
	B.C.A.	42.7	84.6	Do	Do
	B.Sc.(Microbiology)	44	79	Do	Do
	B.Sc.(Mathematics)	45.17	79.5	Do	Do
	B.Sc.(Biotechnology)	60	84.9	Do	Do
	B.Sc.(Chemistry)	51.9	61.5	Do	Do
	B.A. (English)	46.75	77.16	Do	Do



## Sengunthar Arts and Science College, Tiruchengode

	M.C.A.	57	79	Do	Do
	M.Sc. (Comp. Sci.)	58	75	Do	Do
	M.Sc. (App. Mic.)	69	84	Do	Do
	M.Sc. (Biotech)	46	84.4	Do	Do
	M.Com.(C.S.)	58	75	Do	Do
2013-2014	B.COM.	45.41	91.08	Do	Do
	B.COM. (C.A.)	39.83	82.08	Do	Do
	B.B.A.	46	86	Do	Do
	B.Sc.(Ele&Comm)	43.75	83.17	Do	Do
	B.Sc. (Comp. Sci.)	39.5	87.1	Do	Do
	B.C.A.	54	86.6	Do	Do
	B.Sc.(Microbiology)	45	83	Do	Do
	B.Sc.(Biochemistry)	47.9	81	Do	Do
	B.Sc.(Mathematics)	47.83	93.75	Do	Do
	B.Sc.(Biotechnology)	43	88.8	Do	Do
	B.Sc.(Chemistry)	43	78	Do	Do
	B.A. (English)	42.83	80.08	Do	Do
	M.C.A.	60	78	Do	Do
	M.Sc. (Comp. Sci.)	61	69.3	Do	Do
	M.Sc. (App. Mic.)	60	75	Do	Do
	M.Sc. (Biotech)	61	73	Do	Do
	M.Com.(C.S.)	54	71	Do	Do
2014-2015	B.COM.	41.91	88.58	Do	Do
	B.COM. (C.A.)	42.92	92.25	Do	Do
	B.B.A.	40	83	Do	Do
	B.Sc.(Ele&Comm)	44.5	79.42	Do	Do
	B.Sc. (Comp. Sci.)	48	78	Do	Do
	B.C.A.	46	92	Do	Do

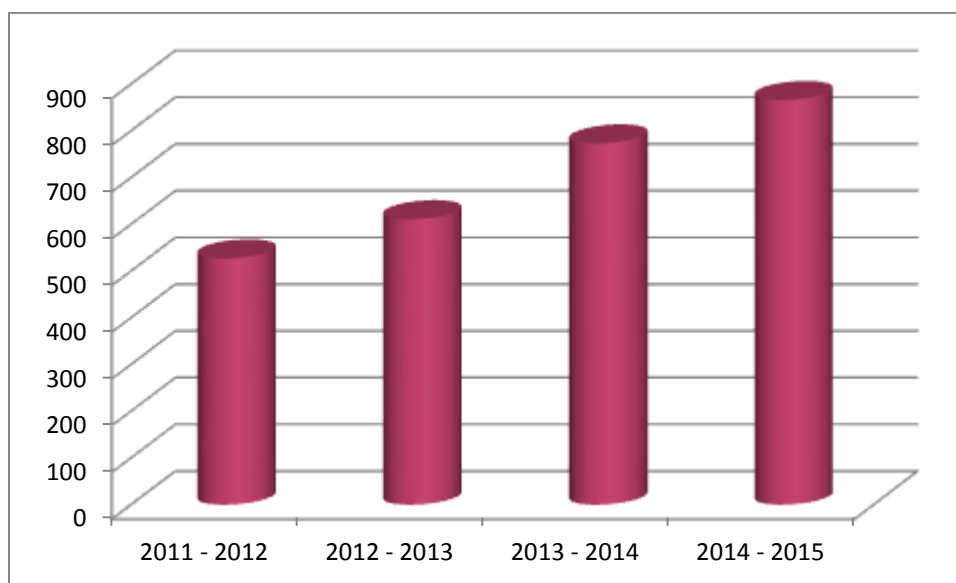
## Sengunthar Arts and Science College, Tiruchengode

B.Sc.(Microbiology)	41	94	Do	Do
B.Sc.(Biochemistry)	46	85.9	Do	Do
B.Sc.(Mathematics)	51.75	90.67	Do	Do
B.Sc.(Biotechnology)	43	88	Do	Do
B.Sc.(Physics)	48.25	86.91	Do	Do
B.Sc.(Chemistry)	47.5	89.3	Do	Do
B.A. (English)	43.58	92.41	Do	Do
M.C.A.	60	76	Do	Do
M.Sc. (Comp. Sci.)	63.2	84	Do	Do
M.Sc. (App. Mic.)	52	75	Do	Do
M.Sc. (Biotech)	67	79	Do	Do
M.Sc. (Biochem)	69	70	Do	Do
M.Com.(C.S.)	59.46	69.33	Do	Do
M.Sc Mathematics	56	86	Do	Do

**2.1.4. Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?**

- The college admission committee reviews the admission process after the admission is over. Teachers interact with the students and assess their knowledge and suitability for the program of their option.
- The students are apprised of rules and regulations, use of library, N.S.S programs, endowment prizes, availability of scholarships, loan and financial assistance and effective study habits, sports and games and cultural activities, detailed instructions regarding terminal examinations and final University examinations.
- Out of the efforts made by the Admission Committee, Institution is witnessing significant achievements in the University Examinations.

Academic Year	Admitted Strength
2011 - 2012	527
2012 - 2013	611
2013 - 2014	773
2014 - 2015	866



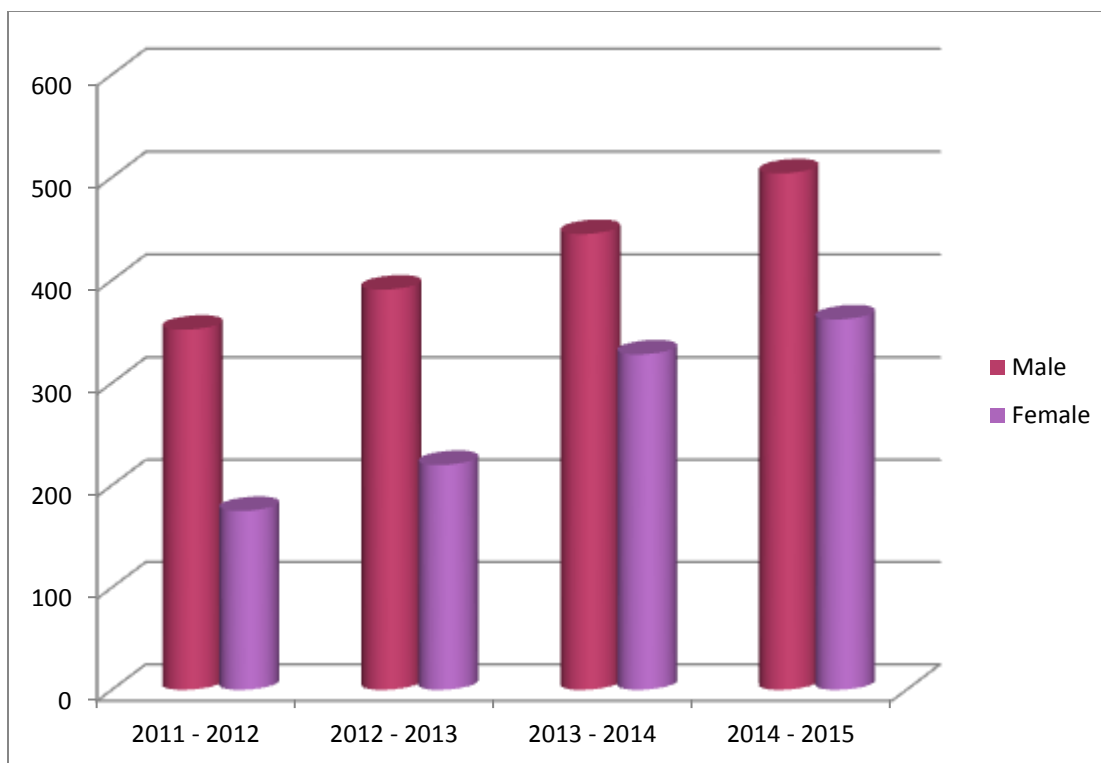
**2.1.5** *Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion the following are the list of admitted students in various categories:*

- The College adheres to the prescribed quota for students from socially-backward and economically weak, in admissions to all its programs.
- Admissions are made as per the State Government rule of reservation policy. However, the statistics of the admissions during the past academic years reveal that the majority of the admissions to the College are from the socially, economically backward communities only.

## Sengunthar Arts and Science College, Tiruchengode

Year	OBC	SC/ST	Women	Differently Abled	Economically Weaker Sections	Minority Community	Any other
2011-12	434	76	158	1	85	5	4
2012-13	504	86	215	2	133	13	4
2013-14	621	138	325	1	135	19	2
2014-15	743	114	350	6	101	22	1

Academic Year	Admitted Strength		
	Male	Female	Total
2011 - 2012	352	175	527
2012 - 2013	391	220	611
2013 - 2014	445	328	773
2014 - 2015	504	362	866



## Sengunthar Arts and Science College, Tiruchengode

**2.1.6 Provide the following details for various programs offered by the institution during the last four years and comment on the trends. i.e. Reasons for increase / decrease and actions initiated for improvement. Academic Year**

Year	Programmes	No of Applications Received	No. of Student Admitted	Demand Ratio
2011-12	B.Com	32	31	0.96
	B.Sc. Biochemistry	7	5	0.71
	B.Sc. Chemistry	20	16	0.8
	B.Sc. Mathematics	48	41	0.8
	B.Sc. Micro	20	14	0.7
	B.Com.(C.A.)	129	84	0.65
	B.Sc. Elect. & Comm.	6	6	1
	B.Sc. Biotechnology	15	9	0.6
	B.B.A.	86	62	0.72
	B.Sc. Computer Science	99	69	0.69
	B.A. English	48	35	0.72
	B.C.A.	76	47	0.61
	M.C.A.	37	29	0.78
	M.Sc. Biotechnology	7	4	0.57
	M.Sc. Computer Science	28	28	1
	M.Sc. App. Microbiology	19	14	0.72
	M.Com.(C.S.)	18	13	0.72
	M.Sc. Biochemistry	2	2	1
	M.Phil., Microbiology	5	3	0.6
	M.Phil., Biotechnology	1	1	1
	Total	703	513	0.73
2012-13	B.Sc. Elect. & Comm.	20	17	0.85
	B.Com.	66	48	0.72
	B.Sc. Mathematics	56	40	0.7
	B.Sc. Biochemistry	5	-	0
	B.Sc. Chemistry	14	8	0.57
	B.Sc. Microbiology	25	18	0.72
	B.Com.(C.A.)	121	111	0.92
	B.Sc. Biotechnology	23	19	0.82
	B.B.A.	105	64	0.61
	B.Sc. Computer Science	97	73	0.75
	B.A. English	47	30	0.63
	B.C.A.	94	63	0.67
	M.C.A.	55	43	0.78
	M.Sc. Biotechnology	16	12	0.75
	M.Sc. App. Microbiology	20	16	0.8

## Sengunthar Arts and Science College, Tiruchengode

	M.Sc. Computer Science	18	11	0.61
	M.Com.(C.S.)	22	18	0.81
	M.Sc Biochemistry	1	1	1
	M.Phil., Microbiology	9	6	0.72
	M.Phil., Biotechnology	2	2	1
	Ph.D., Microbiology	2	2	1
	Total	818	602	0.73
2013-14	B.Sc. Elect. & Comm.	20	12	0.6
	B.Com.	55	45	0.81
	B.Sc. Biochemistry	14	14	1
	B.Sc. Chemistry	42	42	1
	B.Sc. Mathematics	111	99	0.9
	B.Sc. Microbiology	50	41	0.82
	B.Com.(C.A.)	151	126	0.83
	B.Sc. Biotechnology	32	26	0.81
	B.Sc. Computer Science	114	79	0.69
	B.C.A.	86	82	0.95
	B.B.A.	103	90	0.87
	B.A. English	84	69	0.82
	M.C.A.	16	12	0.75
	M.Sc. Biotechnology	11	6	0.54
	M.Sc. App. Microbiology	10	6	0.6
	M.Sc. Computer Science	12	7	0.58
	M.Com.(C.S.)	15	14	0.93
	M.Phil. Microbiology	5	3	0.71
	M.Phil., Biotechnology	1	1	1
	Ph.D. in Microbiology	2	2	1
	Total	934	776	0.82
2014-15	B.Sc. Elect. & Comm.	22	17	0.77
	B.Sc. Computer Science	69	45	0.65
	B.C.A.	57	37	0.53
	B.Sc. Physics	23	23	1
	B.Com.	75	70	0.93
	B.Sc. Biochemistry	40	33	0.82
	B.Sc. Chemistry	68	50	0.74
	B.Sc. Mathematics	89	74	0.8
	B.Sc. Microbiology	60	50	0.83
	B.Com.(C.A.)	152	132	0.87
	B.Sc. Biotechnology	63	47	0.74
	B.B.A.	109	100	0.92
	B.A. English	83	66	0.79
	M.C.A.	25	25	1.00

## Sengunthar Arts and Science College, Tiruchengode

M.Sc. Biotechnology	8	7	0.87
M.Sc. Computer Science	24	24	1
M.Com.(C.S.)	18	13	0.72
M.Sc. Biochemistry	2	2	1
M.Sc. Mathematics	18	17	0.9
M.Sc. App. Microbiology	15	13	0.80
M.Phil., Microbiology	2	1	0.5
M.Phil., Biotechnology	8	8	1
M.Phil., Computer Sci.	15	14	0.93
M.Phil., Management	16	14	0.87
Total	1061	882	0.83

## 2.2 Catering to Student Diversity

### 2.2.1 *How does the institution cater to the needs of differently-abled students and ensure adherence to Government policies in this regard?*

- Institute identifies the needs of differently-abled students and provides specially designed wash rooms, lifts and ramps.
- Institute makes separate seating arrangement for differently-abled students for the university examination.
- Additional library books are issued to these students to minimise their visits to the library.
- Institute facilitates and guides these students towards additional scholarships / financial aid from various Non-Governmental Organizations.
- Institute provides a separate Mentor for addressing to the needs of differently abled students.
- In all the Courses offered by the College, seats are allotted to eligible students as per the State Government Rule of Reservation Policy.
- Students admitted with differently abled conditions are taken care by providing the necessary facilities as the case may be.

### ***2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the program? If 'yes', give details on the process.***

Yes the Institution assesses the student's needs before the commencement of the programme.

- At the beginning of first year Institute conducts tests on basics to evaluate the knowledge & skills of the student in related areas. Based on the feedback, subject faculty plans the teaching process. Also faculty offers special preparatory programs as per the requirements of the students.
- Soon after the admission, teachers interact with the students and assess their knowledge and suitability for the program, they have opted. If any student wishes to change his program he can do so depending on the availability of the permitted seats within the time limit prescribed by the University.
- In the introductory classes, the teachers interact with the students to identify their aptitude, knowledge and skills. A few bridge classes for the needy are conducted.

### ***2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the program of their choice?***

Most of the students getting admitted to the institute are from remote / rural background and have major deficiency in medium of learning which is English. An elaborate English language lab with interactive English learning software is installed. The lab is multimedia enabled and plays major role in upgrading English competency of our students

- A Few bridge courses for the needy students are conducted for a month after completion of admission process.
- Soon after the admission process, Teachers interact with students and identify the academically back ward students and conduct Remedial classes in the regularly allotted extra hour to them.



### *1.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?*

- To create awareness of equality in students & staff, there is no bias what so ever based on caste, creed, gender etc., in any activities of the Institution. Equal opportunities are provided for all eligible individuals to participate in any of the academic / extracurricular, co-curricular activities.
- While recruitment of Staff both Teaching as well as Supporting, there is no bias or reservation based on gender, caste, creed etc. During recruitment process, equal opportunities are provided for all eligible candidates. Also, ample steps are taken to recruit candidates from socially / economically weaker sections and also minorities. This in itself brings in a large uniformity in the Institute's approach towards the various sectors of the society.
- The college started with co-education system in a remote place with a motto to provide education in Higher learning for the needy downtrodden people.
- The college provides equal opportunities for both male and female faculty members.
- Various cultural programs are organized for both boys and girls together with the intention of providing gender equality.
- Admissions, employment initiatives, training programs and every other facility are made available for both boys and girls.
- The College and the Management make efforts to create awareness among the students regarding such evils during Orientation program.
- Initiatives are also taken to conserve water, rainwater harvesting and maintain a litter free zone.

### *2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?*

The student's participation in classroom discussion, performance in assessment tests, performance during oral examination, participation in classroom seminars and

questioning ability are the main tools the Institution uses for identification of advanced learners. The informal interaction with students also helps to identify the advanced learners. The learning needs of these talented students are addressed based on the following methodologies.

- Preparation of the list of top 10 students and attach senior faculty to each group of topper students so as to mentor and guide them to excel further.
- Provide the additional training aids such as additional library books and extended hour in the laboratories and also provide special coaching.
- Display of their photograph and print their names in the new letter / Magazine so as to motivate them to sustain their level and also to motivate the other students to take example of these students.
- The institution identifies the advanced learners on the basis of their merit as well as their performance in the interactive sessions and internal examinations.
- Tests/internals are conducted as per schedule and the performance of the students is assessed periodically.
- The departments concerned encourage such students by assigning them innovative Study Projects and making them participate in various competitions. They are also encouraged to participate in District and State Level Seminars, Workshops, Events conducted by other Colleges. They are also provided with extra books and advanced study materials.
- The college also organizes practical training in reputed business units to acquaint the students with the procedure, practice and working in companies.
- Visits to various banks, co-operative banks, insurance companies and other reputed companies are also organized for students to provide commercial training and practical exposure.

*2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?*

- On completion of every month, the faculty incharge of his/her respective class analyses information with regard to issues such as shortage of attendance, test marks etc
- The college has a mentor-ward system where a teacher is assigned with a group of students. He plays the role of a parent, teacher and counselor. He has personal and constant interaction with the students and offers guidance and counsels them, both in their academic and personal matters.
- The parents are intimated about their ward's performance and methods of improvisation are suggested. Feedback from the parents are given due to importance.
- Slow learners identified by classroom interactions, tests and internals. They are provided with printed notes and further given personal attention for better understanding of the subjects.
- In general, some dropouts are found in the students after the commencement of the classes. The Management and Staff take this issue as a challenge and make necessary arrangements to reduce the dropouts to the maximum extent. The dropout students will specially be counseled with the advantages of higher learning with suitable examples of old students who are in higher positions.

## 2.3 Teaching-Learning Process

### 2.3.1 *How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)*

At the beginning of every year, the staff council designs the academic calendar, taking into account, the number of working days, holidays, the reopening day and the last working day. The general and specific time tables are prepared by the experienced teachers. Department meetings are held, and teachers, in general, are instructed by the Head of the Department to complete the syllabus in a phased manner.

As per the unitized syllabus, each and every theory paper is divided into units. Teaching schedules are accordingly planned so as to complete each unit in the allotted hours. The allotment of units, time table and work load are distributed to the faculty at the end of the previous semester itself.

### 2.3.2 *How does IQAC contribute to improve the teaching – learning process?*

The institution has recently started IQAC aiming at:

- An effective and efficient internal coordinating and monitoring mechanism.
- Development and application of quality benchmarks for the various academic and administrative activities of the institution.
- Organization of workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of various programs and activities leading to quality improvement.
- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.

### ○ IQAC Committee Members

S.No.	Name of the In-Charge	Functions
01	Dr.D.Ravikumar	Convener
02	Mr.P.Nallasivam	Curricular Aspects
03	Dr.S.Ravikumar	Teaching Learning and Evaluation
04	Dr.P.Venkatachalam	Research, Consultancy and Extension
05	Dr.S.Ravikumar	Infrastructure and Learning Resources
06	Dr.R.Palanivel	Student Support and progression
07	Mrs.R.Bharathi	Governance, Leadership and Management
08	Dr.S.Senthil Kumar	Innovations and Best Practices

### *2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?*

- Interactive learning is affected through ‘Peer group interaction’, Question Answer sessions, problem solving, quiz, interaction with senior students to get study materials and clarify doubts, and interaction with faculty formally and informally outside the classroom. Collaborative learning is affected through Group discussion, Case study, Debate, Association activities in all the departments, Group projects etc... Field and Industrial Visits are also organized.
- Independent learning is affected through Assignments in every subject for all courses. Students are encouraged to attend seminars. Project work is assigned to students of PG courses. Home exercises are given to the students especially for problem oriented subjects. Students are encouraged to make use of the internet facilities and to learn through open study resources.
- Based on the academic background, intellectual level, soft skill & special skill of students, the lectures are developed accordingly.
- Institute provides question bank, assignment to the students as per the curriculum.
- Additional library hours to the needy students and during examinations. .

- Faculty uses the facilities such as Library, Faculty Development Program (FDP), and Faculty Training Program (FTP) for active and collaborative learning.
- Wi-fi Campus enables the student independent learning.
- Institute finds out the specific academic needs of the students. If the need is not covered in curriculum, additional courses are conducted for the students.

### ***2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?***

- The college concentrates on making the students original thinkers. To encourage the artistic temper among the students, the college teachers motivate them to participate in various extra murals activities in youth festivals.
- To encourage the scientific temper among students, the faculty engages the students in various practical works on science labs and computer labs. To sharpen the critical thinking among students, various GDs, debates and seminars are organized in which students explore new ideas and also get a chance to listen to the expert views of eminent professionals. Some of the seminars organized are listed below:
  - National level seminar on “Microbes in Peace and War”
  - National level seminar on Universal Panorama in Mastering Microbes.
  - National level seminar on “Vistas in Plant and Microbial Biotechnology (sponsored by TN State Council for Science and Technology, Chennai)
- Guest lectures are organized frequently on various topics.

### ***2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Program on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.***

- The college has well-furnished and spacious class rooms. College has interactive board which are integrated with the Learning Management System software, Power point presentations are used to make the teaching process more effective.

- Air conditioned conference halls with audio video facility.
- The college has well established laboratories. The Microbiology and biotechnology labs are one of its kind state of art labs with latest sophisticated equipment as as Gel Documentation Unit, PCR, Phase Contrast Microscope, ELISA reader, UV Visible spectrophotometer and ultra-cooling centrifuge.
- The college has a spacious 6800 sq. ft. well-stacked library with 27215 titles of books, and 216 national, international journals and magazines. The college is also a member of the British Council Library, Chennai.
- All the computers in the campus have internet access with the latest configuration.

### ***2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?***

- Class Lectures are made more interactive and participatory through Group Discussions, working out exercises, solving previous years University question papers and also by conducting Quiz programs.
- College is utilizing ICT Technology through Interactive Board with Learning Management system software.
- Guest Lectures and Workshops are held by subject experts from various disciplines.
- Management/Commerce Department invites Bank Officers, Industrialists, Insurance Company Officers as Resource Persons. The Science Departments invite eminent Professors and Scientists to deliver talks on latest developments in the fields.
- Visual instruments like LCD, Slide Projector, Working Models and Charts are used according to the requirement. Power Point Presentations are made by the faculty members with the help of Audio Visual material available.
- Field Trips and Industrial visits are arranged by various departments.
- Students are encouraged to read the reviews of latest advanced books and relevant articles in the journals.
- Formation of Study groups consisting of strong and weak students in which strong ones help the weak ones in their studies.

### *2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling / mentoring / academic advise) provided to students?*

- There is a provision for counselors/advisors for each class or group of students for academic and personal guidance.
- The students are divided into groups and each group is provided with counselor /advisor to provide academic and personal guidance to the needy students. It is done at all level of courses in all the divisions.
- The teacher in-charge carefully monitors the regularity of attendance, participation in seminars and other activities and also the performance of the students in internal tests/semester examinations. Accordingly the students are advised to improve by way of help and remedial/corrective action.
- The students who seek psychological boosting or the candidates who are psycho-socially left out are given psychological counseling by the college faculty itself. To add, the college teachers really act as a true friend, philosopher and a guide for the students.

### *2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faulty to adopt new and innovative approaches and the impact of such innovative practices on student learning?*

- Innovative teaching is ensured through approaches like the usage of websites, power point presentations, internet facility and language laboratory.
- The college has well furnished and spacious class rooms. Power point presentations are used to make the teaching process more effective.
- The college has well established laboratories. The Microbiology and biotechnology labs are one if its kind state of art labs with latest sophisticated equipment as as Gel Documentation Unit, PCR, Phase Contrast Microscope, ELISA reader, UV Visible spectrophotometer and ultra cooling centrifuge.
- The college has a spacious 6800 sq ft well-stacked library with 27215 titles of books,



and 216 national, international journals and magazines. The college is also a member of the British Council Library, Chennai.

- All the computers in the campus have internet access with the latest configuration.

### **2.3.9 How are library resources used to augment the teaching- learning process?**

The college has a very spacious state of art library covering an area of around 6800 sq ft. The library is digitized and contains around 27215 titles of books and 216 national, international journals and magazines. The college is also a member of the British Council Library, Chennai.

- Students can also access all these resources either online or by borrowing books from library and prepare well in advance to a stipulated class room lecture so that the class room interaction becomes meaningful.
- Library Staff attend training and short term programmes in order that they are equipped with the latest methods of cataloguing and classification of library resources so as to make it available easily to both students and faculty.
- A well stacked reference section also plays a very important role in enriching the teaching material of the faculty. Adequate care is taken so as to stack valuable and costly books in the reference section so that it is easily available to both students and faculty.
- In addition to the above, each department has its own departmental libraries which stacks commonly used text books so as to cater to the curriculum and is available easily to the faculty in addition to the books available in the central library.

### **2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

No. The problem of not completing the curriculum within the stipulated time did not arise so far

### **2.3.11. How does the institute monitor and evaluate the quality of teaching learning?**

Quality of the teaching- learning process is monitored and evaluated through the performance of the students in the internal test, model examination and university

## Sengunthar Arts and Science College, Tiruchengode

examinations. The institute monitors and evaluates the quality of teaching learning process by means of the following activities:

- Feed back of Students on Faculty.
- Self Appraisal of the faculty.
- Peer evaluation of the faculty.
- Students counseling record.
- Exit feedback by the students.
- Feed backs from students on various Trainings.
- Result Analysis.

### 2.4. Teacher Quality

**2.4.1** *Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.*

- Faculty members are recruited through a selection committee in the college and they are made to work in a congenial atmosphere in the respective departments. Newly recruited staff members are given orientation for their working and they are continuously monitored for their development by the management/Principal with the coordination of respective HODs. The faculties are encouraged for their academic advancements through technical/research paper presentation in conferences/journals.
- Faculty with PG qualification are counseled and motivated to take up research program leading to PhD by enrolling themselves with the existing faculty or faculty in the university.

#### Faculty Details

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
Ph.D.	-	-	12	-	-	02	14
M.Phil.	-	-	-	-	26	25	51
PG	-	-	-	-	14	15	29
Total	-	-	12	-	51	42	94

**2.4.2** *How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programs/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.*

- Our college encourages teachers to participate in orientation and refresher courses, workshops, seminars at state, national and international levels to learn and teach new programs
- Management supports teachers who take up higher studies and improve their qualification.
- Senior teaching faculties are recruited who are capable of mentoring junior faculty in subject preparation and teaching methodologies.
- Necessary books and journals in thrust areas are identified, procured and made available in the library on request from the teachers.

Training programs on usage of IT related software are organized. Institute has a policy towards inviting senior professors / industry experts as visiting faculty to teach new programmes and modern subjects whenever required.

**2.4.3** *Providing details on staff development programs during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.*

### **Nomination to staff development programs Seminars, Workshops**

<b>Academic Staff Development Program</b>	<b>No. of Faculty Nominated</b>
Refresher Courses	-
HRD Programs	-
Orientation Programs	-
Staff Training Conducted by the University	06
Staff Training Conducted by the other Institutions	07
Summer / Winter Schools, Workshop etc.	03

## Sengunthar Arts and Science College, Tiruchengode

Faculty Training programs organized by the institution to empower and enable the use of various tools and technology for improved teaching

### Seminars / Workshops / Conferences organized by various Departments

Sl. No.	Departments	Workshop	Seminar	Conference
01	Tamil	01	-	01
02	B.Com.	-	04	-
03	B.Com.(C.A.)	-	02	-
04	Microbiology	13	04	-
05	Electronics & Comm.	01	01	-
06	Computer Science	02	20	01
07	Biotechnology	16	07	-
08	Mathematics	02	01	-
09	Chemistry	-	02	-
10	Business Administration	-	03	-
11	M.Com.(C.S.)	-	04	-

### Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

Sl.No.	Departments	Training		Seminar / Conference				Workshop
		University	Other Institutions	Inter National	National	State Level	Participated	
01	Tamil	-	-	3	22	-	-	-
02	English	-	-	04	08	02	-	-
03	B.Com.	-	-	01	02	-	02	-
04	B.Com.(C.A.)	-	-	01	02	-	02	-
05	Computer Science	-	-	08	04	-	08	-
06	Biotechnology	02	-	14	08	-	-	-
07	Electronic & Comm	-	-	03	-	-	-	-
08	Business Adm	-	-	02	-	-	-	-

- The college organizes programs to motivate teachers to prepare computer aided teaching/learning materials, mostly using software's and other electronic tools.
- The college also supports these endeavors by providing infrastructural facilities.

- The college, at its own level and with the assistance from UGC and other bodies etc. makes arrangements for seminars and conferences of national level where in the experts are invited to share and deliver their experiences and knowledge.
- The Management too has supported the cause of the women education. **Female medal holders in the Microbiology department have obtained Rs. 18 lacs from Central Govt Funded Project (INSPIRE)**

### **2.4.4** *What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)*

- The management promotes teacher development by motivating them to go for higher studies (M.Phil/Ph.D.) and providing study leave, sponsorship and flexibility in working hours.
- Teachers are sponsored to attend and present papers in international conferences / seminars, training programmes, faculty development programmes conducted by the university and other agencies.
- For their research projects grants are given by the management and necessary steps are taken to patent their innovative ideas and products.
- Every department conducts periodically, Faculty Development Programs and Workshops in the recent developments taking place in the respective fields
- Research activities and sponsored projects are encouraged and every year large number of proposals are prepared and sent to TNSCST.
- There are MoUs for academic development with universities and other national institutions.
- Sabbatical leave given for Ph.D. and post doctoral research.

**2.4.5** *Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.*



**The Principal of our college Dr.S.Arumugam, a graduate in Microbiology joined our Institution as a lecturer initially. He was then promoted to be the Head of the Department of Microbiology and elevated to the post of the Principal. His credentials in research include the discovery of a new species of bacterium in the genus Bacillus.**

He was one of the five Indians to visit Wisconsin, USA as a Cultural Ambassador. He was also the Principal Investigator for Science and Technology Projects sponsored by the Govt of Tamil Nadu and Govt of India. He has organized around 20 national and state level seminars and training programs sponsored by the government funding agencies. He is in the academic panel of many institutions of higher learning.

Under his able guidance and leadership two of his students have discovered two new species of bacterium in the genus Bacillus which is authenticated by the National Center for Biological Information, USA.

He is also conferred with a) Bharat Vidhya Shiromani Award by Indian Solidarity Council, New Delhi, b) Eminent Educationist Award, by National and International Compendium, New Delhi, and c) Best Educationist Award by International Institute of Education and Management New Delhi, for his outstanding achievements and remarkable role in the field of education.

### **2.4.6** *Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?*

- All the departments obtain a feedback from every student at the end of the semester in a format containing 20 questions, covering all aspects, including the depth of subject preparation, clarity in the delivery of the lecture, encouraging the students to ask questions, evincing interest in the students' progress, punctuality, pace of syllabus coverage and interaction with students etc.
- The institution / management evaluates teachers based on teaching, participation in the departmental and college activities, research, FDPs organized and attended, research and publication and due weightage is given for each activity. The HOD concerned and Principal give their remarks on the performance of the faculty.
- The feedback helps to rectify the shortcomings of teachers and helps in improving the teaching and learning process.
- The teacher gives annual presentation about the academic activities to the IQAC.
- The teacher gets constructive suggestion about their teaching style, participative teaching learning, use of innovative methods for teaching, development of laboratories, projects and papers, research efforts from the peers which help him/her for improving the quality of teaching learning.

## **2.5** **Evaluation Process and Reforms**

### **2.5.1** *How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?*

- The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.
- The periodic instructions issued by the parent university are promptly communicated to the students. The instructions are read out in the classrooms and copy of the same is also displayed on the students' notice-board. Likewise they are informed at the start of the session regarding the terminal tests after the gap of three months.

- Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment. The evaluation being an integral part of teaching learning process, effective arrangements are made for the smooth application of the rules about the evaluation processes.
- Frequent staff meetings are also conducted concerning evaluation process.

### ***2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?***

- Class tests and unit tests are conducted periodically to evaluate the performance of students.
- The college has a student centric approach in the teaching and learning process which is achieved by giving assignments, projects and conducting seminars and practical sessions.
- Internal exams and preparatory exams are conducted as per schedule during every semester.
- University Examination timetables are given well in advance and are conducted as per the university schedule. Results are published on time.

### ***2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?***

- The evaluated answer sheets of the students are shown to them and doubt if any are clarified by the teachers.
- Tests are conducted periodically and the results are recorded and maintained. The same is discussed with the students. Slow learners are identified and counseled to perform better by giving them remedial classes.
- Whenever class tests and term tests are taken the results of the students performance/awards are shown to the students to encourage them or counsel them for better future performance.
- The students are informed, well-in-advance, about the supplementary examinations conducted by the university for the final year students of U.G and P.G., who have



failed in only one subject in the last semester. As soon as the information is received from the university, the students are informed through the notice board and it is also communicated to the students through the advisors.

- As soon as the communication for revaluation is received from the university, the students are informed through the notice board and the department advisors. They can also get the photo copies of the evaluated answer scripts for verification. Revaluation applications are immediately forwarded by the Principal to the university.
- Records regarding the university results of the students, their revaluation details and supplementary and special examinations details are effectively maintained in our college.

### *2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.*

- Formative assessment refers to frequent, interactive assessments of student progress and understanding to identify learning needs and adjust teaching appropriately. Faculty using formative assessment approaches and techniques are prepared to meet diverse students' needs – through differentiation and adaptation of lectures to raise the levels of student achievement and to have a greater equity of student outcomes.
- During the current semester course three cycles of examinations are conducted, best two performance is taken for awarding internal assessment marks.

### *2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioural aspects, independent learning, communication skills etc.*

- Regarding internal evaluation, answers to questions and scheme of evaluation are discussed in the class room and the results records are maintained. The marks are

communicated to the students. If there is any discrepancy in the internal evaluation, students can represent it to the teacher concerned. If a student's performance is not satisfactory in the internal test, the matter is taken up with the parents by the respective advisors.

- Weightages for behavioral aspects, independent learning, communication skills, etc., are given while awarding marks for seminar, assignments, projects, and practical.
- Evaluation of students is based on their attendance, internal assessments, project submission and performance in practical exams.
- The goal of summative assessment is to evaluate student learning at the end of an instructional unit by comparing it against some standard or benchmark. Summative assessments are often high stakes, which means that they have a high point value. Summative Assessment takes place at the end of the academic session which is conducted by the college during the terminal test at the end of the semester.
- Behavioral aspects of the students are judged by their participation in external activities.

*2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students? The College aspires to have a transformational impact on students through comprehensive education by inculcating qualities of competence, confidence and excellence.*

- At the first place, the college aims to make its students employable.
- The college endeavors that its students should become valuable global citizens.
- To make the students academically sound enough, so that they are able to stare in the eyes of the competitive world.

- The college ensures that by the time the student finishes his/her education in the college, he attains all these specified attributes. The faculty members of the college work rigorously throughout the academic year to enable the students imbibe the valuable lessons by way of seminars, moral lectures, presentations and fieldwork. The faculty sensitizes students towards inclusive social concerns, human rights, gender and environmental issues to make them sensitive, sensible, useful and conscientious global citizens.

### ***2.5.6 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?***

- The students have the facility to apply for revaluation if they are not satisfied with the marks obtained in the university examinations.
- Students can represent to the teacher or the advisor if there is any discrepancy in the marks awarded in the internal tests.
- There is also a Grievance Redressal Committee in every department, specifically to address issues connected to internal.

## **2.6. Student performance and Learning Outcomes**

### ***2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these.***

The college has clearly stated learning outcomes. The students and staff member are made aware of the learning outcomes in the following manner:

Learning outcomes are specified in the university syllabus itself. In the department meetings when there is a discussion on subject allotment, the learning outcomes are also discussed by the teachers. They are explained to the first year students by the advisors in their first orientation program. On the first day of the reopening of the college, when the syllabus is explained to the students by the teacher, he or she also

## Sengunthar Arts and Science College, Tiruchengode

explains the 'learning outcomes' to the students. The learning outcomes are also displayed in the respective departments.

**2.6.2. Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course / program? Provide an analysis of the students results/achievements (Program / course wise for last four years) and explain the differences if any and patterns of achievement across the programs / courses offered.**

- The performances of the students are assessed through centralized internal assessment tests.
- Cumulative record is maintained for each student through which their academic achievements are monitored.
- The performance of the students in co-curricular activities during the course of study is regularly monitored by the staff in-charge of the respective clubs / NSS / NCC, etc.,
- The details of the academic performance in the university examinations are sent to the parents with remarks by the advisors and HODs every year. The advisors meet the students and their parents periodically. The parents of the slow learners are called and the students are given counseling along with their parents.
- The advisors continue their interaction with the students even after the completion of their degree, guiding them for higher education and career opportunities. The achievements of the students are published in the news papers and magazines.

**Result analysis is as follows: Under Graduate Programmes**

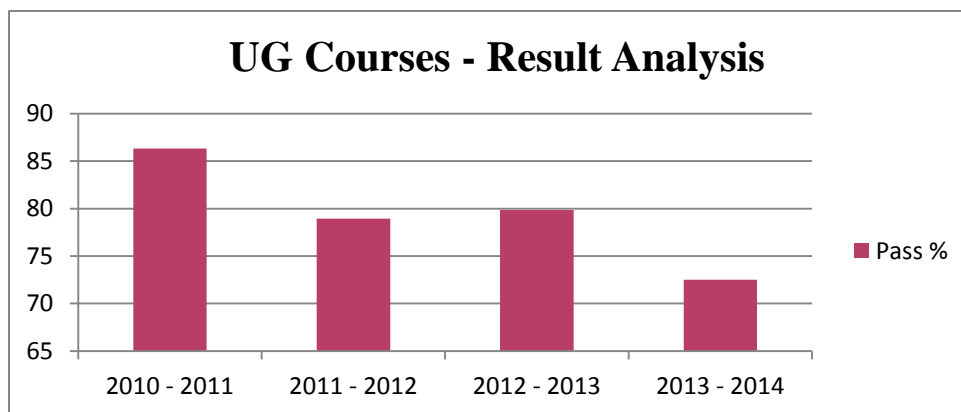
Sl. No	Courses	2010-2011				2011-2012				2012-2013				2013-2014			
		Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%
1	B.Com.	26	25	18	72	23	23	20	87	18	18	15	83.33	24	24	22	92
2	B.Sc. Bioche.	-	-	-	-	-	-	-	-	5	5	4	80	--	-	-	-
3	B.Sc. Chemistry	-	-	-	-	19	19	4	21	12	11	6	50	16	15	7	46

## Sengunthar Arts and Science College, Tiruchengode

4	B.Sc. Mathematics	14	14	12	85.7	58	58	51	87.93	50	49	40	81.63	38	38	31	81.6
5	B.Sc. Microbiology	6	5	5	100	13	12	12	100	22	22	22	100	14	14	14	100
6	B.Com.(C.A.)	115	114	86	75	120	118	112	95	87	87	72	83	65	64	52	81.25
7	B.Sc. Elec & comm.	6	6	6	100	16	16	13	81.2	15	14	11	78.5	5	5	4	80
8	B.Sc. Biotechnology	16	16	16	100	9	8	4	50	19	19	13	68.4	26	26	12	48.1
9	B.B.A.	50	50	42	84	90	81	72	89	38	38	36	95	49	48	46	94
10	B.Sc. Computer Science	72	72	57	79.17	45	45	41	91	42	42	32	76	79	79	38	48
11	B.C.A.	103	103	83	81	32	32	28	87.5	53	53	42	79.24	74	74	42	56.7
12	B.A. English	-	-	-	-	-	-	-	-	46	36	30	83	30	27	19	70

### Result Analysis of UG Courses

Academic Year	Pass %
2010 - 2011	86.31
2011 - 2012	78.96
2012 - 2013	79.84
2013 - 2014	72.51



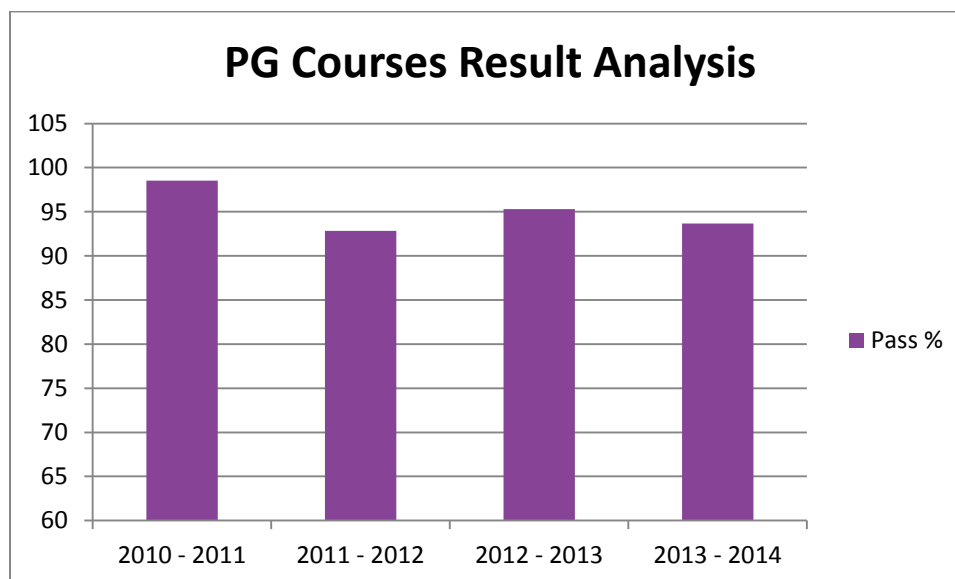
## Sengunthar Arts and Science College, Tiruchengode

### • Post Graduate Programmes

Sl No	Courses	2010-2011				2011-2012				2012-2013				2013-2014			
		Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%
1	M.Sc. Computer Science					13	13	13	100	23	23	20	86.95	11	11	11	100
2	M.C.A.	27	27	27	100	36	36	34	94.5	31	31	30	96.7	43	43	39	90.7
3	M.Com.(C.S.)	9	9	9	100	25	25	24	96	14	14	13	92.85	18	18	17	94.44
4	M.Sc. Biochemistry	-	-	-	-	3	3	2	66.6	-	-	-	-	-	-	-	-
5	M.Sc. App. Microbiology	17	17	16	94.11	21	21	21	100	14	14	14	100	15	13	13	100
6	M.Sc. Biotechnology	20	19	19	100	4	4	4	100	12	12	12	100	6	6	5	83.3

### Result Analysis of PG Courses

Academic Year	Pass %
2010 - 2011	98.52
2011 - 2012	92.85
2012 - 2013	95.30
2013 - 2014	93.68



### *2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality of jobs, entrepreneurship, innovation and research aptitude) of the courses offered?*

The efforts of the institution to enhance the social and economic relevance of the courses offered are:

1. Expose the students to current market requirements by the interaction with HRs of reputed organizations.
2. Conduct Workshops and seminars to acquire knowledge on the latest technologies.

Some of them are listed below:

- Workshop of preservation of plants and plant modeling Techniques (sponsored by Govt. museum, Tamil Nadu)
  - Short term training on Plant Tissue Culture.
3. Industrial/institutional visits conducted by various departments to its respective students are as follows:
    - Biotechnology students visited – Center for Cell and Molecular Biology, Hyderabad.
    - Cancer Research Institute, Chennai. Rajiv Gandhi Center for Biotechnology, Trivandrum Pasteur Institute of India, Coonoor.

Computer Science students visited –

- MAPLES ESM Technologies, Chennai
- ISRO, Bangalore
- Cochin Stock Exchange
- DRDO, Trivandrum
- HCL Ltd. Pondicherry.

Students are encouraged to participate in various programs related to economic and social relevance outside the college. The motto of NSS in the college is “Not me, But you”. The college has three NSS units with 300 students. Various seminars and awareness camps are conducted by the NSS team. AIDS Awareness, Environment Awareness, Blood Donation Camps are a few of such activities The college NSS unit has achieved the Best Unit Award, Best NSS Program Officer Award and three Best Volunteer Awards.

### ***2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?***

To ensure the achievement of learning outcomes, Institute focuses on planning and effective implementation of teaching learning. It also inculcates the research culture and value based education. The Institute has a planned mechanism of monitoring the achievement of learning outcomes.

The semester plan which is designed in the beginning of the semester has a detailed schedule of internal assessment test, dispatch of their reports to parents and IQAC meets to analyze the results. The following methodology is employed to ensure the achievement of learning outcomes.

- Regular and periodic Internal Assessment Tests and University examinations.
- Planned Assignments and out of syllabi laboratory experiments.
- Regular monitoring of attendance of the students.
- Periodic student's feedback from Teachers.
- Organizing make up / resource lectures to meet the student's requirements, by effective use of webinars and other e-learning material.
- By monitoring participation and achievement of students in co- curricular activities.
- By evaluation of projects and seminars of the students.
- By identifying the slow learners and fulfilling their specific needs.
- The institution monitored the achievement of learning outcomes through semester-wise result analysis and advises the faculty members to conduct remedial coaching classes for the failures.
- Feedback collected from the students is used to plan and overcome the barriers of learning.



### ***2.6.6 What is the graduate attributes specified by the college/affiliating university? How does the institution monitor and ensure the achievement of learning outcomes?***

The college has a set mechanism to monitor the student's learning outcomes.

- Attendance is compulsorily taken for each class.
- The student's participation in the class and the marks scored in tutorials, assignments helps to judge the students by the staff members.
- Results of test, exams are recorded and evaluated every semester.
- The slow learners are taken care of by the mentors in counseling cell.
- Remedial classes are arranged for slow learners.
- Library register, attendance register are monitored to know about the student's interest in academic activities.
- The faculty members are encouraged conduct surprise tests, quiz to monitor the academic progress of each student.

### ***2.6.7. Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.***

Yes.

- The institution and individual teachers have methods to evaluate students' performance.
- Class tests are conducted regularly
- Special skills of the students are assessed through their immediate response in the class.
- Classroom responses, punctuality, behavior in the classroom, motivational level, ability to work hard, being friendly and sociable, group formation on the basis of taste, like mindedness and ideology rather than caste and religion, dining etiquette, gender sensitivity, ability to work as a team, being patient, responsible and matured, critical listening and note-making are some of the benchmarks which the individual teachers use to evaluate and ensure the learning outcomes.

**CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

**3.1 Promotion of Research**

**3.1.1 *Does the institution have recognized research centre/s of the affiliating University or any other agency/organization?***

The Research Committee of the College encourages and motivates the teachers to submit research projects to various funding agencies. The committee also renders adequate help in the preparation of project proposals. The committee is involved in synchronizing and encouraging research activities carried out by the members of the faculty of various departments.

Yes. The college was granted approval to conduct M.Phil., and Ph.D., programs for the following:

- M.Phil., Microbiology
- M.Phil., Biotechnology
- M.Phil., Management
- M.Phil., Computer Science
- Ph.D., Microbiology

**3.1.2 *Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.***

- Yes, the college has a research committee. The main activity of the committee is to promote research activities and based on the recommendations made by the research advisory board the following steps are taken:
- The main focus of the committee is:-
- To serve as interface between faculty and funding agencies (Government and Non-Government) through gathering and disseminating information about the availability of various research grants to execute their novel and innovative ideas.
- To synchronize and encourage research activities carried out by the members of the faculty of various departments and to provide guidelines for framing the proposals.

Scrutiny and selection of various applications for proposals for projects submitted by the members of the faculty are done by the committee.

- To organize extension programs/workshops/interacting sessions on research methodology for faculty members undertaking research.
- To provide a platform for teacher-led student research projects. The committee is especially meant for studying research schemes of various funding agencies and bringing to the notice, the contents of research schemes to faculty, assisting and guiding them to submit research proposals and reviewing research activities undertaken by the students and faculty.
- To sign MOU with research Institutions.
- To enhance the quality of research publications by faculty and students.
- To promote consultancy services in different specialities.
- Suitable training programs are suggested and arranged for staff and students.
- The committee continuously reviews the work of Ph.D. research scholars
- Various National and International conferences in emerging areas are organized
- Faculty members are preparing and submitting research proposals to various funding agencies as per the thrust areas.
- Making aware of different schemes available from Government and non-governmental agencies.

### ***3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?***

This institution provides laboratory facilities with adequate infrastructure to carry out their research work successfully. They are free to use the available lab assistants and office assistants.

The Institute has established well equipped library with subscription to many scientific Journals of National and International reputation and subscribing many online journals to cater to the needs of researchers. Further, the Institute provides computer (with internet), printer and other accessories required.

However, there is no provision for time-off; reduced teaching load and special leave for teachers of colleges as per the Government norms. Still, to help the researchers, their class hours are adjusted within the department whenever they go on leave or on other duty. Internet facilities are also provided to the faculty who got major research projects in their rooms.

### ***3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?***

The College organizes different seminars and workshops in which the students are encouraged and supported to present research papers and join discussion sessions so as to sharpen their reasoning capacity and scientific temper. Some of the seminars conducted in this regard can be listed as follows:

- National level seminar on “Microbes in Peace and War”
- National Level Seminar on Universal Panorama in Mastering Microbes
- Workshop on Food Preservation Technology sponsored by Ministry of Food & Nutrition, Govt. of India.
- Workshop on preservation of Plants and plant modeling Techniques sponsored by Govt. Museum, Tamil Nadu.
- National Level Seminar on “Vistas in Plant and Microbial Biotechnology” sponsored by Tamil Nadu State Council for Science & Technology, Chennai.

All India Summer Research Training Program on Molecular Techniques. Interested students are given opportunity to work with the on-going projects in the department and encouraged to take up their final semester project in house with on-going projects.

The students are provided the facilities in terms of reference books, journals, internet access etc. Each Department regularly organizes guest lectures on recent developments/Research Methodology in order to familiarize the students with the process and methodology of research.

To develop scientific temper and aptitude among students, the Institution is organizing Intradepartmental and Interdepartmental Technical Paper presentations, science exhibition, debate and quiz competition in order to motivate the students to develop the research skills.

To develop scientific temper and aptitude among the students, the Institution is organizing Intradepartmental and Interdepartmental Technical Paper presentations, science exhibition, debate and quiz competition in order to motivate students to develop the research skills.

As a part of developing the aptitude, students are encouraged to participate in various seminars and workshops organized at other Institutions

To provide a platform for the students/faculty in developing the scientific writing skill, Departments has Department Newsletter/College Newsletter and College Magazine and students are encouraged to write articles.

### ***3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.***

The Institute has faculty with rich industrial background and R&D experience with adequate academic qualifications. Quite a few of the faculty members initiated their research work, while in the institution and successfully completed leading to the award of PhD degrees.

Currently many faculties are enrolled for PhDs in various disciplines. **Guiding student research:** Faculty in the Institute encourage students to engage in the research activities under their guidance and help them to select appropriate topics for their projects. Apart from their individual research the faculty in the Institute is also enrolling research aspirants to register under them to pursue PhD programme, the details are mentioned below.

## Sengunthar Arts and Science College, Tiruchengode

---

**Transforming ideas into Research Projects:** Faculty guides the students in converting their innovative ideas into research projects and encourages them to submit to funding agencies.

**Individual/collaborative research activity:** Faculty members in the institute are actively engaged in research in their respective domains.

### Research Gudies of our Institution (M.Phil.,)

No.	Name	Department
02	Dr. R. Hari Krishna Raj	Microbiology
03	Dr. P. Ashok kumar	Microbiology
04	Mr. J. Senthilmanickam	Biotechnology
05	Mr. D. Suresh	Biotechnology
06	Ms. S. Saranyadevi	Biotechnology
07	Mr. C. Muruganandam	Computer Science
08	Mr. S. Tamil Senthil	Computer Science
09	Mrs. R. Bharathi	Computer Science
10	Mrs. R. Harini	Computer Science
11	Mr. P. Balamurugan	Computer Science
12	Mr. S. Saravanan	Computer Science
13	Mrs. N. Vidhyadevi	Management
14	Mr. P. Nallasivam	Management
15	Mrs. R. Rupa	Management

## Sengunthar Arts and Science College, Tiruchengode

**Number of M.Phil., awarded (2009-2015) and scholars doing M.Phil under the guidance of our faculty members as guide/co-guide:**

No.	Name	Department	Ph.D.,		M.Phil.,	
			Awarded	Doing	Awarded	Doing
01	Dr. P. Venkatachalam	Microbiology	-	02	02	-
02	Dr. R. Hari Krishna Raj	Microbiology	-	-	16	-
03	Dr. P. Ashok kumar	Microbiology	-	02	01	-
04	Mr. J. Senthilmanickam	Biotechnology	-	-	2	3
05	Mr. D. Suresh	Biotechnology	-	-	0	3
06	Ms. S. Saranyadevi	Biotechnology	-	-	1	2
07	Mr. C. Muruganandam	Computer Science	-	-	31	03
08	Mr. S. Tamil Senthil	Computer Science	-	-	-	03
09	Mrs. R. Bharathi	Computer Science	-	-	-	02
10	Mrs. R. Harini	Computer Science	-	-	-	02
11	Mr. P. Balamurugan	Computer Science	-	-	-	01
12	Mr. S. Saravanan	Computer Science	-	-	-	02
13	Mrs. N. Vidhyadevi	Management	-	-	-	05
14	Mr. P. Nallasivam	Management	-	-	-	05
15	Mrs. R. Rupa	Management	-	-	-	04

### Details of Ph.D. Awarded to B.Com Department Faculty

No.	Name of the Faculty	Title of the Thesis	University / Year of award
01	Dr. S. RaviKumar	Human Resource Management in Tirupur Export Garments Industries.	Periyar University /2012
02	Dr. V. Senthil Raja	A study on problems and prospects faced by power loom owners and employees with special reference to Namakkal District.	Periyar University /2012

## Sengunthar Arts and Science College, Tiruchengode

### Details of Ph.D. Awarded to Tamil Department Faculty

No.	Name of the Faculty	Title of the Thesis	University / Year of award
01	Dr. K.Srinivasan	Tamil peraraharathiyil vatara vazhku pathivihal	Periyar University /2012
02	Dr. R.Palanivel	Veetu peyar aaivu	Bharathiyar University /2014

### Details of Ph.D. Awarded to B.Com.(C.A.) Department Faculty

No.	Name of the Faculty	Title of the Thesis	University / Year of award
01	Dr. S.Senthil Kumar	A Study on the performance evaluation of lead bank scheme of banks in Tamil Nadu with special reference to Coimbatore district	Periyar University 2011

### Details of Ph.D. Awarded to Business Administration Department Faculty

No.	Name of the Faculty	Title of the Thesis	University / Year of award
01	Dr. D. Ravikumar	A Study on Workers Behaviour Towards Training and Development in Textile Mill at Salem District.	University of Madras / 2005
02	Dr. T. Arul	A study on Financial Performance Analysis of the Select Sugar Mills in Tamilnadu	Periyar University / 2014

### Details of Ph.D. Awarded to Microbiology Department Faculty

No.	Name of the Faculty	Title of the Thesis	University / Year of award
01	Dr P.Venkatachalam.	Studies on occurrence and diversity of Actinomycetes in Eastern ghats	Manonmaniam sundaranar University / 2011
02	Dr R. Hari Krishna Raj	A novel production and characterization of serratiopeptidase from Serratia marcescens	Periyar University /2013
03	Dr S.Arumugam	Production and Characterization of a Novel antimicrobial peptide "Curvacin-A" produced by Lactobacillus Curvatus	Periyar University /2014



## Sengunthar Arts and Science College, Tiruchengode

### Project Guidance:

All the faculty members are engaged in guiding the group projects for the UG students and individual/group project for the PG students. The following two student projects were funded by different funding TNSCST, Chennai to do research projects.

Sl. No	Name & Class	Title of the Project	Funding Agencies	Amount (Rs)
01.	S.M.SIVA, II M.Sc. Biotechnology	Genotoxic Studies of “Antidiabetic Powder Extracts of Market Samples on Allium cepa”	TNSCST	6,000
02.	K.P.SAMPATH KUMAR, II M.Sc. Biotechnology	Studies On Callus Culture and Identification of Phytochemicals in an Endangered Medicinal Plant Jatropha maheswari Subram and Nayar	TNSCST	6,000
03.	S. DEVADASS II M.Sc. Applied Microbiology	M.Sc. Level Project	TNSCST	6,000

Mr. D.Suresh, Assistant Professor of Biotechnology, did his research in the field “Microbial Biotechnology” at Hyderabad with a financial assistance of Rs.20,000/- from Indian Academy of Science, New Delhi.

### Research Guides (Ph.D.,) of our Microbiology Department

S.No.	Name of the Guide
01	Dr. P. Venkatachalam
02	Dr. P. Ashok Kumar

## Sengunthar Arts and Science College, Tiruchengode

**Number of Ph.D awarded (2009-2015) and scholars doing Ph.D. under the guidance of our faculty members as guide/co-guide:**

No.	Name	Department	Awarded	Pursuing
01	E.S.Karthi	Microbiology	2009	-
02	C.Sureshkumar	Microbiology	2011	-
03	N.Murugalatha	Microbiology	2011	-
04	P. Ranjitha	Microbiology	2012	-
05	R. Hari Krishna Raj	Microbiology	2013	-
06	S. Tamil Selvi	Microbiology	2014	-
07	S. Arumugam	Microbiology	2014	-
08	V.Meenaloashini	Microbiology	-	2006
09	S. Anbumalar	Microbiology	-	2012
11	I. Bhupesh rajan	Microbiology	-	2012
12	D. Daniel Selvakumar	Microbiology	-	2014
13	V. Jyothi prabha	Microbiology	-	2014
	Total		07	05

### ***3.1.6 Give details of workshops/ training programs/sensitization programs conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.***

The Departments in the Institution periodically conduct workshops/ Technical Training programmes/ Sensitization programmes with the following objectives to help the students to get knowledge outside their academic syllabus to provide an opportunity to interact with experts in the concerned field to identify the prime areas of research to get hands on training in the techniques.

Biotechnology department organized various workshop and seminar programs to improve student's basic research skills in the field of biotechnology. For the past six years. Biotechnology department has been conducting eight 15 days fully residential

## Sengunthar Arts and Science College, Tiruchengode

summer research programs in all India level, collaboration with Microbiology department to disseminate the scientific knowledge to other state students like Bihar and Chattisgarh....

The workshops and seminars listed below were conducted by the microbiology department. All the programs aimed in an interactive research culture among staff and student communities of different related disciplines from various personalities throughout the country.

### SEMINARS

Sl. No.	DATE	TITLE
01	21 <sup>st</sup> & 22 <sup>nd</sup> February 2002	National Seminar on Microbes in Peace and War
02	19 <sup>th</sup> & 20 <sup>th</sup> December 2003	The Golden Jubilee Year of DNA
03	19th February 2010	Vistas in Plant and Microbial Biotechnology, Sponsored by TNSCST, Chennai, TNCSTC, New Delhi.

### WORKSHOPS

Sl. No.	DATE	TITLE	Funding Agencies
01	May 23rd – June 1st 2011	7th All India Summer Research Training Programme	TNSCST, Chennai
02	Dec 20-24th 2010	Inservice Training for Secondary Grade Teachers from Namakkal district.	TNSCST, Chennai
03	24 -25th FEBRUARY 2011	Workshop on Agri-Biotechnology for Sustainable Agriculture and Healthy Environment	Ministry of Environment & Forests Govt. of India, New Delhi
04	Feb 14th – 18th 2011	Food preservation	Ministry of Food and Nutrition
05	May 23rd - June 1st 2012	8th All India Summer Research Training Programme	TNSCST, Chennai

## Sengunthar Arts and Science College, Tiruchengode

### **3.1.7** *Provide details of prioritized research areas and the expertise available with the institution.*

List of faculty members and their prioritized research areas and the expertise available with the institution:

No.	Name	Department	Research area
01	Dr. P. Venkatachalam	Microbiology	Microbial taxonomy
02	Dr. R. Hari Krishna Raj	Microbiology	Immunology
03	Dr. P. Ashok Kumar	Microbiology	Enzyme technology
04	Dr. S. Ravikumar	Elect&Commu	Thin film-Solar cell
05	G.Sivambika	Chemistry	Inorganic Chemistry
06	Mr.J.Senthilmanickam	Biotechnology	Plant Biotechnology
07	Mr.D.Suresh	Biotechnology	Microbial and Industrial Biotechnology
08	Ms.S.Saranyadevi	Biotechnology	Plant Biotechnology
09	Mr.S.Sudhakar	Biotechnology	Plant Molecular Biotechnology
10	K.R.Shanthini	Biochemistry	Plant& Microbial biochemistry
11	J.Mallika	Biochemistry	Plant& Microbial biochemistry

### **3.1.8** *Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?*

- National, International conferences and seminars are organized in association with professional bodies.
- Eminent researchers are invited for lectures on emerging areas and interact with teachers and students.

### **3.1.9** *What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?*

15% of faculty has availed Sabbatical leave. The advanced scientific knowledge acquired by the faculty was used to motivate the students to involve in modern research area.

The staff members can avail on duty permission to attend and present research papers in seminars. This results in the publication of a sizable number of research papers in the national and international journals. The teachers are encouraged to register for Ph.D., and also to do research work by the Research committee of our college.

***3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).***

Dr. S. Ravikumar, our faculty in Commerce Department, in his PhD thesis titled “Human Resource Management in Tirupur Garment Export Industries” analyzed the effective utilization of man power in the industry for which he was awarded PhD by the Periyar University in the year 2012.

Dr. V. Senthil Raja, faculty in Commerce department, in his thesis titled “A study on problems and prospects faced by power loom owners and employees” was subject to special reference to the industries of Namakkal District for which he was awarded the PhD by the Periyar University in the year 2012.

Dr. S. Senthil Kumar, our faculty in B.Com.(C.A.) department in this PhD thesis titled “A Study on the performance evaluation of lead bank scheme of banks in Tamilnadu” was carried out with special reference to Coimbatore District. His thesis was awarded the PhD by the Periyar University in the year 2011.

Department of Biotechnology organized 5 days Training program on Food Preservation Technology workshop-14 to 18 February 201. In 2011 our department organized A Three Day workshop on Plant Preservation and Plant Modeling Techniques jointly with Govt. Museum, Chennai, from 5th to 7th September 2007. These kinds of programs help our students to get motivation to improve the society through their research findings.

### **3.2 Resource Mobilization for Research**

#### **3.2.1 *What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.***

5% percentage of the total budget is earmarked for research.

#### **3.2.2. *Is there a provision in the institution to provide seed money to faculty for research? If so, specify the amount disbursed and the percentage of the faculty who has availed the facility in the last four years?***

The Management encourages the staff members to get major projects from any funding agency, which is duly appreciated and recognized. Our Management felicitates the teachers who have successfully completed their Ph.D., by providing them Rs.1000 (one thousands only) as salary increment apart from their routine salary.

Further, if the faculty receives any 'Research Award', they are honored by the management on the College Day. Even though there is no provision in the institution to provide seed money directly to the faculty for research, the management provides all the infrastructural facilities to the faculty for doing research and also encourages and motivates the faculty to do Ph.D. The management with all seriousness takes efforts to relieve the faculty without any delay for doing Ph.D.

#### **3.2.3 *What are the financial provisions made available to support student research projects by students?***

The Institute encourages student research and provides all the required facilities to promote research culture among student fraternity. All the students have free access to instruments in Research labs, online journals, printed journals, monographs etc.

In the Department level, interested students will be assigned to one senior faculty and proper guidance will be provided to convert their innovative ideas into project proposal and encouraged for submission to funding agencies for research projects, the students are financially supported on need basis.

**3.2.4** *How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.*

The Faculties of B.B.A., B.Com., B.Com.(C.A.) interact with each other for their research activities. Similarly the faculties of Biotechnology, Microbiology also interact and make optimum utilization of the lab and other resources in their research activities.

**3.2.5** *How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?*

The laboratory and library facilities are available in the campus which can be utilized by the staff and students involved in the research without any timing restriction. Research journals in the library are used by the students and the staff members. The college has state of art laboratory with latest lab equipments and encourages the staff and students to use of their research activities.

**3.2.6** *Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.*

Yes, our Institution has received special grants as detailed below:

Year	Title of the Project	Supervisor	Students	Fund / Grand Sanctioned by Sengunthar Education Trust
<b>B.B.A.</b>				
2010-2011	A study on Advertising effectiveness towards VIVA at Trichy Town	Dr. D. Ravikumar	A. Rajasekar	3,000/-
	A study on former satisfaction towards Mahindra tractor at Valappadi Town	Dr. D. Ravikumar	T. Maheswaran	3,000/-
2011-2012	A Study on Customer satisfaction towards Annapoorna Salt at Tiruchengode Town	Dr. D. Ravikumar	P. Alagesan	3,000/-

## Sengunthar Arts and Science College, Tiruchengode

	A Study on Customer satisfaction towards Dove Soap at Tiruchengode Town	Dr. D. Ravikumar	R. Sathya	3,000/-
2012-2013	A study on problems faced by the poultry farm owners at namakkal town	T. Arul	R. Naveenkumar	3,000/-
	A study on problems faced by the fishermen at edappadi taluk	S.Sundaravadivelu	R.Ranjith kumar	3,000/-
2013-2014	A study on problems faced by employees of siddeswara spinning mills (p) ltd at mallur	T.Arul	N.Arunraj	3,000/-
	A Study on Customer satisfaction towards MTR food products at Tiruchengode taluk	R.Rupa	G.Manopreethi	3,000/-
2014-2015	A Study on Customer satisfaction towards Aachi masala at Tiruchengode taluk	R. Rupa	S. Ramani priya	3,000/-
	A Study on Customer satisfaction towards Samsung Galaxy at Tiruchengode	E. Swathi	A. Sundhareswaran	3,000/-
<b>B.Sc. Biochemistry</b>				
2012-2013	Bioactivities of sea weed <i>Callyspongia diffusa</i>	Mrs.K.R.Shanthini	R.Rajesh	5,000/-
<b>B.Sc. Biotechnology</b>				
2013-2015	Callus induction & invitro propagation of <i>Hypanthus enneaspermus</i> (L).f Muell	Mr.S.Sudhakar	L.Padmapriya	5,000/-
	Fluoride content in ground water of Tiruchengode Taluk and removal of fluoride using neem leaf as biosorbent	Mr.D.Suresh	V.krishnan	5,000/-
2012-2014	Optimization, Production, purification of an extracellular dextran sucrose from <i>pediococcus Pentosaceus</i>	Ms.R.Rajarajeshwari	G.Venkatesan	5,000/-
	Isolation & Screening of Antibiotic producing Actinomycetes from certain districts of Tamilnadu	Mr.D.Suresh	P.Sridhar	5,000/-



## Sengunthar Arts and Science College, Tiruchengode

2011-2013	Extraction and purification of Phloem specific protein from <i>Canavalia gladiata</i> (JACQ) DC	Mr.D.Suresh	M.Sabarieswaran	5,000/-
	Study on effect of cellular radiation on brain protein expression of chick embryo	Mr.J.Senthilmanickam	K.Ramaraj	5,000/-
2010-2012	Studies on determination and utilization of complete natural dyes on cotton fabrics	Dr.M.G.Ebbie	A.Annadurai	5,000/-
	Studies on callus culture and identification of phytochemicals in an endangered medicinal plant <i>Jatropha maheshwari</i> Subram	Dr.M.G.Ebbie	K.P.Sampath Kumar	6,000/-
2009-2011	Production and optimization of Lipase from <i>Bacillus subtilis</i>	Mr.D.Suresh	P.Sathish	5,000/-
	Determination of Gossypol content in <i>Thespesia</i> species and their antimicrobial activities	Mr.K.Sampathkumar	A.Thirunavukkarasu	5,000/-
	Genotoxic studies of Antidiabetic powder Extracts of Market Samples on <i>Allium cepa</i>	Dr.M.G.Ebbie	S.M.Siva	6,000/-
<b>M.C.A.</b>				
2010-2011	A Puzzle based defence strategy against flooding attacks in game theory	C. Muruganandam	V. Pasupathy	5,000/-
	Paperless Inspection	S. Saravanan	P. Loganathan	5,000/-
2011-2012	Automatic Discovery name alaiases from the web	S. Tamilsenthil	T. Karthika	5,000/-
	Reservation Protocol	M. Revathi	P. Suhasini	5,000/-
2012-2013	Secure and userfriendly dog-tag for ATM	S. Tamilsenthil	S. Saveetha	5,000/-
	Dynamic content tracing with google map	P. Balamurugan	S. Gayathri	5,000/-
2013-2014	Data Dynamics for Storage security in cloud computing	R. Harini	P. Sivanmoorthi	5,000/-
	Multi party access control for online social networks	R. Bharathi	J. Vishnupriya	5,000/-

## Sengunthar Arts and Science College, Tiruchengode

2014-2015	Secure data retrieval for decentralized disruption-tolerant military networks	R. Harini	R. Rajkumar	5,000/-
	Citizen identification	P. Gayathri Devi	J. Anjela mary	5,000/-
<b>M.Sc. Computer Science</b>				
2011-2012	Development of GUI for GPS enabled freight tracking system	R. Bharathi	G. Subalakshmi	5,000/-
	Electronic public distribution system	S. Tamilsenthil	T. Sangeetha Tamizhmozhi	5,000/-
2012-2013	A web search engine based approach to measure semantic similarity between words	R. Bharathi	R.S. Sangeetha	5,000/-
	A secure intrusion detection system against DDOS attacks in mobile ad-hoc networks	S. Tamilsenthil	A. Sadamhussain	5,000/-
2013-2014	Credit card fraud detection	R.Harini	K.Gayathri	5,000/-
	Bug Tracking System for software company	R.Bharathi	M.Thenmozhi	5,000/-
2014-2015	SMS based exam room allotment	C.Muruganandam	P.Gowsalya	5,000/-
	Privacy protection in personalized web search	T.Gayathri	V.Kalaiyarasi	5,000/-
<b>B.Sc. Electronics &amp; Communication</b>				
2011-2012	Unmanned toll tax	S.Ravikumar	P.Siva K.Neethi	6,000/-
2012-2013	LPG leakage detection and control	C.Dhanarajan	T.Srigururaja K.Boobalan	6,000/-
2013-2014	Drunken and driven speed control	P.Saravanan	B.Meyyazhagan N.Kalaiyarasi	6,000/-
2014-2015	PC Hardware and Assembling	S.Ravikumar	K.Aravindh M.Perumal	6,000/-
<b>M.Com.(C.S.)</b>				
2014-2015	A study on employees stress in Sengunthar mills private Ltd, Tiruchengode.	N.Santhi	K.Sundari	5,000/-
	A Study on employees performance appraisal in Mallur siddeswara spinning mills (P) Ltd.	T.Sankarganesh	T.Mani	5,000/-

## Sengunthar Arts and Science College, Tiruchengode

Department of Microbiology				
2014- 2015	Antibacterial effect of medicinal plant <i>Leucas aspera</i> Linn	P. Abirami	P. Ashokkumar	5,000/-
2014-2015	Procreation of silver nanoparticles by using actinomycetes sp and its appraisal	R. Sadagopan	P.Venkatachalam	5,000/-
2013-2014	Epidemiological study of diabetes in erode using structural equation model	S.Sriarthika	R. Harikrishnaraj	5,000/-
2013-2014	Prevalence of ESBL producing uropathogens from UTI	V.Viswapriya	P. Ashokkumar	5,000/-
2013-2014	Antibacterial activity of spices against <i>Listeria</i> sp	M. Madhubala	P. Ashokkumar	5,000/-
2013-2014	Assessing the Plastic degrading ability of bacteria isolated from polythene degrading soil sites	J. Antony Anand Anbarason	P.Venkatachalam	5,000/-
2012-2013	Assessing antilisterial compounds from <i>Lactobacillus</i> and <i>Ocimum</i> against <i>Listeria</i>	J. Muthukumar	P.Venkatachalam	5,000/-
2012-2013	Production of alkaline protease from <i>Bacillus pumilus</i>	B. Anusuya	P.Ashokkumar	5,000/-
2012-2013	Assessing antagonistic potential of bacteria and fungi against <i>Listeria</i>	C. Prabakaran	N. Sudhakar	5,000/-
2012-2013	Alpha Amylase from <i>Halobacterium</i> sp	C. Sathiskumar	P.Venkatachalam	5,000/-
2011-2012	Thermophilic actinomycetes from banana compost	R.Punitha	R. Harikrishnaraaj	5,000/-
2011-2012	Bioenriched compost for enhancing the growth of tomato	K.Sakthipriya	R. Harikrishnaraaj	5,000/-
2011-2012	Purification of Xylanase from <i>Streptomyces</i>	J. Rajmohan	C. Sureshkumar	5,000/-
2011-2012	Production of xylanase by submerged fermentation	M. Prathaban	C. Sureshkumar	5,000/-

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

Year	Title of the Project	Name of the Student	Guide	Amount
2013-2015	Antimicrobial compounds for MDR-TB	S.Daniel Selvakumar	Dr.P.Venkatachalam	10,000/-
	Antimicrobial compounds for spices against multidrug resistant pathogens	V.Jothi Prabha	Dr.P.Venkatachalam	10,000/-

### 3.3 Research Facilities

**3.3.1 What are the research facilities available to the students and research scholars within the campus?**

The college has state of art laboratories for Microbiology and Biotechnology students with latest sophisticated equipment such as Gel Documentation Unil, Phase Contract Microscope, PCR, UV-Visible spectrophotometer, ELISA reader, Ultra Cooling, Centrifuge etc.. The college also has a well-equipped computer lab with latest software and internet facilities.

Central computer lab with internet facilities are available for students research activities.

**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

It is worth to mention that in order to facilitate the research activity the institution promotes faculty by encouraging them to carry out research in their interested field. The College management has always been trying to enhance infrastructural facilities in order to upgrade research work. Plans for up-gradation for next 5 years is prepared and implemented.

**3.3.3** *Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments / facilities created during the last four years.*

Vide 3.2.6

**3.3.4** *What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?*

It is worth to mention that in order to facilitate the research activity the institution promotes faculty by encouraging them to carry out research in their interested field.

The College management has always been trying to enhance infrastructural facilities in order to upgrade research work. Plans for up-gradation for next 5 years is prepared and implemented.

**3.3.5** *Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?*

### **Library Resources**

Details of Research Journals, Back volumes and Dissertations available in the library are given below:

S. No.	Nature of Resource	Nos.
01	Research Journals	181
02	Volumes	12067
03	Titles	7069
05	Dissertations	288
06	Periodicals	04

## Sengunthar Arts and Science College, Tiruchengode

---

The Microbiology Department has a separate departmental library apart from the main library, with most modern and much needed books and journals for students and faculties reference.

Details of Research Journals, Back volumes and Dissertations available in the library are given below:

S. No.	Nature of Resource	Nos.
01	Research Journals	34
02	Periodicals	07
03	Online Journals	08
04	Magazines	27
05	Back Volumes	509
06	Dissertations	472
07	Books	877(580 titles)

### Other facilities

Our college has very good laboratories and sophisticated instruments for doing research. Our College management has permitted the research scholars to come and work at any time in our college. In the microbiology department the research scholars work even on holidays. Our college management and research committee takes care of promoting research activities in our college. They help the faculty in getting projects.

The department also possess medicinal plants garden with ample space still enough to progress through other ventures.

The department has a separate audio visual fully air conditioned conference hall for educational exhibits.

### ***3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.***

The college has a state of art fully equipped laboratory with sophisticated instruments like PCR, Inverted Microscope, Electrophoretic Unit with Gel Documentation Unit, UV – Visible Spectrophotometer, ELISA Reader, Ultra Cooking Centrifuge etc..

The department of Biotechnology has fully air conditioned separate laboratories for Plant tissue culture, Animal tissue culture, Bioprocess technology, Molecular Biology and Genetic Engineering.

Department of Microbiology has a separate departmental library apart from the main library, with most modern and much needed books and journals for students and faculties reference.

## **3.4 Research Publications and Awards**

### ***3.4.1 Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product) Original research contributing to product improvement, research studies or surveys benefitting the community or improving the services.***



Our Principal Dr. S.Arumugam has to his credit in research. He has described a new species of bacterium in the genus Bacillus. He was one of the five Indians to visit Wisconsin, USA as a Cultural Ambassador. He was also the Principal Investigator for Science and Technology Projects sponsored by the Govt of Tamil Nadu and Govt of India. He has organized around 20 national and state level seminars and training programs sponsored by the government funding agencies. He is in the academic panel of many institutions of higher learning.

## Sengunthar Arts and Science College, Tiruchengode

Under his able guidance and leadership two of his students have discovered two new species of bacterium in the genus *Bacillus* which is authenticated by the National Center for Biological Information, USA.

He is also conferred with a) Bharat Vidhya Shiromani Award by Indian Solidarity Council, New Delhi, b) Eminent Educationist Award, by National and International Compendium, New Delhi c) Best Educationist Award by International Institute of Education and Management New Delhi, for his outstanding achievements and remarkable role in the field of education.

Dr.P.Venkatachalam, submitted two new bacterial sequences in DDBJ, EMBL.

Dr. R. Hari Krishna Raj submitted a new *Bacillus* species sequence in EMBL.

Our students has formulated Plant Tissue Culture media for six different important medicinal plants, it helps to conserve the medicinal plants. It supports the development of herbal products in market.

**3.4.2** *Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?*

NIL

**3.4.3** *Give details of publications by the faculty and students:*

Details of publications by our faculty, and publications listed in international database are given below:

Year	Total No. of faculty	No. of publications			Publication per faculty	No of publications listed in International Database
		National	International	Total		
2009 – 10	2	1	1	2	2	--



## Sengunthar Arts and Science College, Tiruchengode

2010 – 11	2	2	3	5	3	--
2011 – 12	1	1	1	2	1	--
2012 – 13	2	1	2	3	2	--
2013 – 14	1	1	1	2	1	1

**Details of publications of our faculty with impact factors, h-index, and ICV are given below:**

Year	No of Publications	No of Publications		
		with Impact Factor	with h-index	with ICV
2009 – 10	2	2	--	--
2010 – 11	6	--	--	--
2011 – 12	2	--	2	--
2012 – 13	3	--	--	--
2013 – 14	1	1	--	--

### Books Edited

S.No	Title of the Book	Editors / Author / Co author	Publishers	ISBN/ Month
01	Production Management (English and Tamil Medium)	Dr. D. Ravikumar	Periyar Institute of Distance Education (PRIDE)	2011
02	Marketing Research (English and Tamil Medium)	Dr. D. Ravikumar	Periyar Institute of Distance Education (PRIDE)	2011
03	Retail Marketing (English and Tamil Medium )	Dr. D. Ravikumar	Periyar Institute of Distance Education (PRIDE)	2011
04	Industrial And Services Marketing (English and Tamil Medium )	Dr. D. Ravikumar	Periyar Institute of Distance Education (PRIDE)	2011
05	Practice of Public Relationship	Dr.D. Ravikuamr	Help	2009

## Sengunthar Arts and Science College, Tiruchengode

### Books with ISBN/ISSN numbers with details of publishers

Sl No	Title of the Book	Author / Co author	Publishers	ISBN/ Month
01	Customer relationship management	Dr. D. Ravikuamr	Pallavi Pathippagam, Erode	978-93-80024-26-4
02	Management Practice	Dr. D. Ravikuamr	Pallavi Pathippagam, Erode	978-93-80024-25-7
03	Accounting for Mangers	Dr. D. Ravikuamr	Pallavi Pathippagam, Erode	978-93-80024-27-1

### Chapter in Edited Books

Sl No	Title of the Book	Editors / Author / Co author	Publishers	ISBN/ Month
01	Role of Industry in Rural Market	P. Nallasivam	Excel Books	978-81-7446-836-9

### Books with ISBN/ISSN numbers with details of publishers

Sl No	Title of the Book	Author / Co author	Publishers	ISBN/ Month
01	C Programming-Easy to Learn	C.Muruganandham	Gowaran Publications,Dharma puri	978-81-907718-8-7
02	Object Oriented Programming-Easy to learn	C.Muruganandham	Gowaran Publications,Dharma puri	978-81-907718-9-4
03	Database Models	R.Bharathi	Pallavi Pathippagam,Erode	978-81-907955-1-7
04	Network Layers and its Operations	R.Bharathi	Pallavi Pathippagam,Erode	978-81-907955-0-0
05	Testing Techniques	R.Bharathi	Pallavi Pathippagam,Erode	978-81-907955-2-4

## Sengunthar Arts and Science College, Tiruchengode

**Details of publications by our Electronics faculty, and publications listed in international database are given below:**

Year	Total No. of faculty	No. of publications			Publication per faculty	No of publications listed in International Database
		National	International	Total		
2013 – 14	3	-	4	4	4	4

**Details of publications of our faculty with impact factors, h-index, and ICV are given below:**

Year	No of Publications	No of Publications		
		with Impact Factor	with h-index	with ICV
2013 – 14	01	1.3		5.07

**Details of publications by our English department and publications listed in international database are given below:**

Year	Total No. of faculty	No. of publications			Publication per faculty	No of publications listed in International Database
		National	International	Total		
2013 – 2014	2	1	1	2	-	1

**Books with ISBN/ISSN numbers with details of publishers**

S.No	Title of the Book	Author / Co author	Publishers	ISBN/ Month
01	Social and cultural impact on Post Modern Literature ( since 1950's)	P.Rajalakshmi	Dept.Of English,J.K.K.Nataraja College	978-93-80406-54-1
02	Voices in the wilderness	S.Deepan	Periyar maniammai University	978-81-908015-6-0
03	Cultural and Conciousness A study on the novels of Indian writers in English	S.Deepan	Excel India Publishers	978-93-81361-85-6

## Sengunthar Arts and Science College, Tiruchengode

**Details of publications by our faculty listed in international database are given below:**

Year	Total No. of faculty	No. of publications			Publication per faculty	No of publications listed in International Database
		National	International	Total		
2009 – 2010	6	-	2	2	2	2
2010 – 2011	6	-	3	3	1	3
2011 – 2012	6	-	3	3	1	3
2012 – 2013	6	-	3	3	1	3
2013 – 2014	6	-	4	4	1	4

**Details of publications of our faculty with impact factors, h-index, and ICV are given below:**

Year	No of Publications	No of Publications		
		with Impact Factor	with h-index	with ICV
2009 – 2010	-	2	2	-
2010 – 2011	-	1	1	-

**Details of publications by our Tamil Department, and publications listed in international database are given below:**

Year	Total No. of faculty	No. of publications			Publication per faculty	No of publications listed in International Database
		National	International	Total		
2009 – 10	1	1	-	01	-	-
2010 – 11	2	1	1	02	-	-
2011 – 12	2	-	2	02	-	-
2012 – 13	3	1	2	03	-	-
2013 – 14	3	2	1	03	-	-

### Books Edited

Sl. No.	Title of the Book	Editors / Author / Co author
01	Sollin selvan	Dr.K.Srinivasan
02	Kamban kavi inbam	Dr.K.Srinivasan
03	Alvar amutham	Dr.K.Srinivasan

#### 3.4.4 Provide details (if any) of: *Research awards received by the faculty*

Mr. D. Suresh of Biotechnology department has been awarded Summer Research Fellowship from Indian Academy of Sciences, New Delhi.

Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

The Principal of our college Dr. S. Arumugam has to his credit in research the discovery of a new species of bacterium in the genus Bacillus. He is also conferred with a) Bharat Vidhya Shiromani Award by Indian Solidarity Council, New Delhi, b) Eminent Educationist Award, by National and International Compendium, New Delhi, c) Best Educationist Award by International Institute of Education and Management New Delhi, for his outstanding achievements and remarkable role in the field of education.

### 3.5 Consultancy

#### 3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The placement and training cell ensures that the institution maintains symbiotic relationship with multiple industries across diverse segments and meetings with the industry personnel result in signing of MoUs and accreditation by the industries, training and consultancy services. Faculty members also establish industry institute relationship during industrial visits, educational tours and internship training programs.

Institution-industry interface is established through inviting eminent personalities from nearby leading industries so as to enhance the technical knowledge of the students.

### ***3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?***

- Conducting online certificate courses to public.
- The policy of the institution is to provide the necessary opportunities and facilities for the staff members to promote consultancy. Once a faculty is awarded a Ph.D., it is uploaded in our college website so that the faculty's expertise can be made use of.
- Various Departments of College organize several National\International conferences and Workshops where experts from the industry are invited as session chairs. Through this the area of research and expertise available is publicized to develop further technical relations. Industry contacts are made available through referral and through internet.
- Consultancy services are provided by the well-established relations with small scale industries and several departments such as faculty members of the departments.

### ***3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?***

Institution offers Online Certificate Courses through Learning Management System. Faculties are encouraged to take up consultancy projects and institute shares the revenue generated by such activities.

### ***3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.***

The broad areas of consultancy services are community development through participation in socio and economic development of the nearby villages.

College aims to generate revenue by sharing the Research Facilities and fees collected by running online Certificate Courses.

**3.5.5 *What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development***

The policy of the institution is to share 40% of the revenue generated with the faculties involved.

**3.6 Extension Activities and Institutional Social Responsibility (ISR)**

**3.6.1 *How does the institution promote institution-neighborhood - community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?***

**Promotion of institution-neighborhood-community network:**

- The institute greatly appreciates its social responsibility and promotes student engagement, contributing to good citizenship, service orientation and holistic development of students through a large number of youth development activities which are undertaken by NSS. The institute has a full-fledged NSS programme and community activities. The institution has undertaken following concrete measures to enhance level of such in all department
- NSS Unit of the institute periodically arranges Blood donation camp, free Medical Checkup camp, free dental checkup.
- Faculty are sensitized to undertake projects and research work which is of service to humanity. Faculty continuously undertakes projects related to humanitarian assistance. It looks for sponsors and funding agencies nationally and internationally and motivates students to actively participate in projects related to handicap rehabilitation, promoting green energy, pollution control technologies etc.

- Students are encouraged to participate in various programs related to economic and social relevance outside the college. The motto of NSS in our college is “Not me, But you”. The college has three NSS units with 300 students. Various seminars and awareness camps are conducted by the NSS team. AIDS Awareness, Environment Awareness, Blood Donation Camps are a few of such activities.
- The college NSS unit has achieved the Best Unit Award, Best NSS Program Officer Award and three Best Volunteer Awards.

### ***3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?***

#### **Institutional mechanism to track students' involvement in various social movements**

- Over the years our institution has built a fine well tuned mechanism of highly motivated faculty and student which coordinate all social activities for effective participation by maximum number of students. The mechanism consist of following measures
- A senior faculty is detailed as overall in-charge for a programme that coordinates student response from all departments
- Every branch has a corresponding branch in charge who is responsible for coordinating such activity within the branch
- Every activity has a large number of student volunteers who actually supervise and run the programme under the guidance of faculty

The NSS of the College along with their respective program officers and support staff perform various social activities to promote citizenship roles.



### ***3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?***

- The vision, mission, goals and objectives of the Institute are highlighted in the prospectus that is given to the students at the time of admission. Also the same is displayed on the college web site.
- Grievances and opinion of students are always considered. One student from each Class is nominated as a representative. He/ She interacts with the student's regarding their needs/grievances and report same to the respective teacher. Further the class teacher takes initiative in discussing the same with the concerned HOD and principal.
- Class teacher/Head of the department/Principal interact with parents/Guardians regularly in parents-teachers meeting about their wards academic performance and attendance records. The parents are informed about the meeting well in advance through phone calls and SMS.
- Regular staff meetings are conducted in order to keep the staff updated about changes and developments of the institute. Most of the decisions are implemented after the discussion.
- Alumni meetings are organized and interaction with the college is encouraged to obtain suggestions.

### ***3.6.4 How does the institution plan and organize its extension and outreach programs? Providing the budgetary details for last four years, list the major extension and outreach programs and their impact on the overall development of students***

The institute attempts to reach and extend its programme each through various organized activities such as workshops, seminars, conferences and annual technical activities. These programmes encompass, both in content and coverage for the students, faculty, and supporting staff.

**3.6.5** *How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?*

The students get certificates for participating in NSS activities. These certificates help them in their career making and also in getting admissions to PG courses.

**3.6.6** *Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?*

Social surveys research works are regularly undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society emerge as equal partners in the growth to progress and prosperity. The details of some of the current work being undertaken is as under

- The institute has made a good effort to promote social justice as a value in learning process and administrative interactions.
- The college NSS unit has been motivating students in participating and organizing pulse polio program/village cleaning etc. Health talks are organized by doctors on sensitive issues on women to the girl students.
- Anti-ragging boards are displayed at prominent locations with help line.
- Anti-sexual harassment and grievance redressal cell is formed.
- Complaint box is available for grievances.

**3.6.6** *Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.*

- The extension activities have made the students to realize their social responsibilities.
- The communication skill, technical knowledge, leadership quality, managerial skill, organizational skill and interpersonal relationship are enhanced among the students.

- Extension activities conducted by the institute always imbibe academic learning experience, values and skills not only in students but faculty too. These activities refresh the environment of the institute as well. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens. It aims to pursue excellence towards creating manpower with high degree of intellectual, professional and cultural development to meet the national and global challenges.

**3.6.8 *How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?***

- The College organizes village camps and invites and exhorts villagers to participate in the extension activities. Cultural programs by the participating students also attract villagers to involve them in the related activities.
- The college promotes community oriented programs through NSS, and YRC.

**3.6.9 *Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.***

- The institution has good relationships with other institutions of the locality. The blood donation camps are organized.
- Extensive local participations are witnessed during sapling plantation, blood donation etc. Alumni Association is also involved in all these extension activities.
- Awareness on environment protection has also been carried out. Our institution also has plans to take initiatives to alert the students about social and health problems like female feticide, dowry system etc.

**3.6.10** *Give details of awards received by the institution for extension activities and/contributions to the social / community development during the last four years.*

Certification of Appreciation for Blood Donation for organizing a Voluntary Blood Donation Camp for the year 2014.

### **3.7 COLLABORATIONS**

**3.7.1** *How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.*

The students of Biotechnology of our institution are pursuing research in leading institutions of the world such as

- \* University of Ulsan, South Korea
- \* Nottingham University, UK
- \* School of Human Genome Research and Genetic disorders, Mahatma Gandhi
- \* National Institute of Research and Social Action (MGNIRSA) Hyderabad.
- \* Indian Institute of Horticultural Research, Bangalore, (IIHR)
- \* Bharthiyar University, Bharthidasan University, Manonmaniam Sundarnar University and Periyar University.

**3.7.2** *Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.*

The college has collaborative arrangements with various industries/institutions where industrial visits are organized for the students of all departments.

Some of them are listed below:

- \* IISC, Bangalore

- \* NCBS, Bangalore
- \* Biotech R&D Laboratories, Yercaud
- \* Aavin Milk Industry, Erode
- \* Cancer Research Institute, Chennai
- \* Center for Cell & Molecular Biology, Hyderabad
- \* Human Biological Vaccine Institute, Coonoor
- \* Versa Bioscience, Hyderabad
- \* ORACLE, Chennai.

**3.7.3** *Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/new technology /placement services etc.*

The college has taken a paradigm shift in training engineering students to cater to the blue chip companies visiting the campus for campus selection. The placement and training cell organizes and coordinates campus recruitments.

The college is proactively engaged in the interaction with various professional and industrial bodies like Bangalore, Chennai, TCS Chennai, IBM, Chennai, Orbit, Mumbai, Infosys, Chennai, National Botanical Research Institute, Lucknow, Hindustan Lever Ltd., Hosur and many more for its students' placement.

## Sengunthar Arts and Science College, Tiruchengode

**3.7.4** *Highlighting the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the college during the last four years.*

The details of the eminent persons visited to various departments are given below:

S. No.	Department	Date	Guest Lectures
01	Microbiology	04.09.2014	Dr. G. Jayandharan Rao, Scientist and Associate Professor, Dept. of Haematology Christian Medical College, Vellore
02		28.02.2014	National seminar on Universal Panorama in mastering Microbes Dr.A. Elango, Tamilnadu Veterinary and Animal Sciences University, Namakkal G. Selvakumar, Senior Scientist, IIHR, Bangalore
03		24.09.2013	Dr.S.Mohammad Ali, Dept of Biotech, Rajalakshmi Engineering College, Chennai
04		28.02.2013	Dr.V.Jaishankar, Dept of Chemistry, Presidency College, Chennai.
05		28.02.2013	S.Ramanathan, Athma foundation for Environmental Awareness, Salem.
06		05.09.2013	Dr.T.Viswanathan, Dept of Microbiology, N.K.R. Govt .Arts College for Women, Namakkal
07		05 .09.2012	Dr.R.Rajendran, Head, Dept of Microbiology, P.S.G.College, Coimbatore.
08		21.12.2012	Dr.C.Ramesh, Drug design, Tirupur.

Name of the Department	Name of the eminent persons	Designation with address
Business Administration	Prof. Dr. M. Selvam	Professor, Anna University, Chennai
	Prof. Dr. R.M. Chidambaram,	Dean, Faculty of Management Alagappa University, Karaikudi.
	Prof. Dr. E. Ilamathian	Director, UGC Academic Staff College, University of Madras, Chennai.

## Sengunthar Arts and Science College, Tiruchengode

Business Administration	Prof. Dr. M. T. Thiagarajan,	Dr-ing (DRESDEN) Former Visiting Professor of Business Studies, University of South Carolina, Columbia, Former Visiting Faculty, IIT Madras and University of Madras, Founder, Dean, School of Management, Pondicherry Central University, Pondicherry.
	Prof. A. Susairaj,	ICFAI National College, Tanjore, Former Prof. and H.O.D. of Economics, St. Joseph's College, Trichy, Former Principal, Sri Sankara School of Management and Computer Science , Trichy
	Mr. M. Michel Raj	Senior Executive / HR BHEL, Trichy.
	Dr. K. Prabhakaran	Vice – President, Apollo Hospitals, Chennai .
	Mr. V. Sri Kanthan (Retd.) ,	General Manager, The Hindu, Trichy
	Mr. M. Sampangi ,	I.E.S, (Retd.), Chennai.
	Mr. S. Balakrishnan	Principal, National Institute of Fashion Technology, Tirupur , Former General Manager- HRD, SKM Animal Feeds & Foods India, Ltd. Former Personnel Cum Factory Manager, Davangre Cotton Mills Ltd. Former Division Manager- Industrial Relations, Premier Cables Co. Ltd. Former Head – Industrial Relations, Soundaraja Group of Mills Ltd.
	Mr. Lakshmi Narayanan	Hr Head TVS Chennai.
	Mr. Durai	Head HR Sesasayee Paper Mills Ltd
	Mr. Ramakrishnan	IRO , Sesasayee Paper Mills Ltd
	Mr. Harish	State Bank of India, Tiruchengode.
	P.Sivarajadhanavel	Financial Education Trainer, SEBI, Chennai

## Sengunthar Arts and Science College, Tiruchengode

### National and International conference organized by our college

2009-2010

S.No.	Department	Name of the Seminar Conference/Workshop/Symposium, etc.,	Date
01	BIOTECHNOLOGY	National level Seminar on Vista's in plant and Microbial Technology	19.02.2010

2010-2011

S.No.	Department	Name of the Seminar Conference/Workshop/Symposium, etc.,	Date
01	BIOTECHNOLOGY	All India Summer Research Training Program on Molecular Techniques	23.05.2011 – 01.06.2011

2011-12

Sl. No.	Department	Name of the Seminar Conference/Workshop/Symposium, etc.,	Date
01	BIOTECHNOLOGY	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	05.09.2011 – 07.09.2011
02		National symposium on Global Warming and Environmental Protection through Biotechnology	23.02.2011
03		State Level workshop on Agro Biotechnology	24.02.2011
04		State Level workshop on Medical/Clinical technology	25.02.2011
05		Seminar on Nano technology & Biomolecular Drug Designing Workshop	26.02.2011
06		Science Exhibition & Life Science Awareness Programme	27.02.2011



## Sengunthar Arts and Science College, Tiruchengode

2012 - 2013

Sl. No.	Department	Name of the Seminar /Conference/Workshop/Symposium, etc.,	Date
01	BIOTECHNOLOGY	All India Summer Research Training Programme on Molecular Techniques	23.05.2012 – 01.06.2012
02		A Short term Training on Plant Tissue Culture-A Holistic Approach	13.02.2013 – 15.02.2013

2013 – 2014

Sl. No.	Department	Name of the Seminar / Conference / Workshop / Symposium, etc.,	Date
01	BIOTECHNOLOGY	National Seminar on Universal Panorama in Mastering Microbes	28.02.2014

**3.7.5** *How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –*

- |  |       |
|--|-------|
| a) Curriculum development/enrichment             | - Yes |
| b) Internship/ On-the-job training               | - Yes |
| c) Summer placement                              | - Yes |
| d) Faculty exchange and professional development | - Yes |
| e) Research                                      | - Yes |
| f) Consultancy                                   | - Yes |
| g) Extension                                     | - Yes |
| h) Publication                                   | - Yes |
| i) Student Placement                             | - Yes |
| j) Introduction of new courses                   | - Yes |
| k) Student exchange                              | - Yes |

**3.7.6 *Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.***

Need to collaborations with the industries and institutions are planned during the Governing Council and College Development Council meetings. The deliberations of the meetings are conveyed to the HoDs and the training and placement cell through the principal and necessary initiatives are taken to implement the same. The departments are also involved in establishing linkages and collaborations with industries and research institutes.

## CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

#### 4.1.1 *What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?*

- Management takes care of all infrastructural needs of the college.
- At the end of every academic year, representative of the Management convene a meeting with Staff Council and identifies the requirements with regard to infrastructure and other facilities for the next academic year. The decisions will be communicated to the Governing Body to obtain the final approval in their meetings.
- If necessary, finances will be advanced by the Management to commence the works.

#### 4.1.2 *Detail the facilities available for Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.*

##### **a) Curricular and co-curricular activities**

- Our Institution spreads over 22.09 acres of land with 2,28,868 sq.ft. of build in area. All the PG Departments are housed in a separate block with modern laboratory facilities. Department wise A/c conference halls are established to cater the academic needs of aspirants. All class rooms are very spacious.
- The college has the most modern infrastructure air conditioned conference hall with audio video facility.
- The laboratories are fully equipped with sophisticated instruments.

### **b) Extra –curricular activities**

- SASC is keen on promoting sports and recreation activities at all levels. The sports union has a wide range of sports clubs including the traditional football and basketball clubs which cater for both men and woman of all abilities.
- The National Service Scheme of SASC functions with 3 NSS Units of 300 students. Seminars and special camps such as AIDS Awareness, Environmental Awareness, Blood donation camps are organized by our NSS students.

#### **4.1.3 *How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any.***

- The available infrastructure is effectively used for various activities of the students and staff.
- Class Rooms, Lecture Halls and E-class room generally remain occupied from 9.30 A.M. to 4.30 P.M.
- Computer Labs and Internet Center remain open from 9.30 A.M to 4.30 P.M. Needy students and the hostel boarders can avail the facilities in the late evening hours. Library timings are flexible. It is kept open from 9.00 A.M. to 5.00 P.M. for the students and staff.
- Audio visual facilities like LCD, Slide projector and OHP are used by all the Departments.
- The infrastructure has been built in accordance with the increase in intake and the present infrastructure has all the requirements for the present intake and is optimally utilized for academics and administration of the college.

## Sengunthar Arts and Science College, Tiruchengode

Particulars	Budgeted (2014-15) ( lakh)	Expenditure (2013-14) ( lakh)	Expenditure (2012-13) (lakh)	Expenditure (2011-12) (lakh)
Acquisition of Land & new buildings and infrastructural built up	3.5	1.95	1.6	0.5
Infrastructure	48	55	25	-
Library	1.5	2.26	2.81	2.08
Laboratory Equipment	2.8	-	2.22	-
Laboratory Consumables	1.0	1.39	1.54	0.7
Teaching & Non – Teaching staff Salary	204.0	202.0	192.0	173.0
Travel	5	4.77	0.41	0.77
Others(Printing& Stationery, Insurance charges, Advertisement expenses, Rents paid, etc)	3.0	2.43	3.51	3.24

### *4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of the differently-abled students?*

The special attention is given to differently abled students. In addition to usual books extra books are issued for physically challenged students from the book bank. Wheel chair facility is available. Supporting staff are also available on request. Classes are normally kept on the ground floor for such students.

### *4.1.5 Give details on the residential facility and various provisions available within them:*

The college has two modern hostels separately for boys and girls. The hostel has spacious dining halls with a mineral water plant and medical facilities.

Particulars	Boys Hostel	Girls Hostel
Accommodation	Yes	Yes
Max. Strength	450	280
Mess Type	Veg & Non-Veg	Veg & Non-Veg

**Recreational facilities, gymnasium, yoga center, etc.** The open spaces, gymnasium, college auditorium, provision for screening movies offer recreational facilities to engage students in leisure hours. There is ample facility for students to indulge in both indoor and outdoor games. Yoga classes are conducted periodically to staff and students in association with NSS.

**Computer facility including access to internet in hostel** Central computer facility with more than 200 computers is available with high speed internet connection in the campus which caters to most of the browsing requirement of the students. Central Internet lab is available for Hostel student till 7.00 pm for internet usage. Wi-Fi facility is provided for the students to work in their laptops both in campus and hostels.

**Facilities for medical emergencies:** Medical facilities are available for the students. College has tie up with medical centers and regular visit of doctor are also available. Vehicles are also available inside the campus in case of any emergencies.

**Security** The college is 24×7 under the surveillance of efficient security personnel and CCTV cameras are provided to ensure safety of students and staff.

#### **4.1.6** *What are the provisions made available to students and staff in terms of health care on the campus and off the campus?*

- First Aid Kits are available in college.
- Health care awareness programmes are conducted for students and staff members.
- In case of emergency vehicles are available to transport the students to nearby reputed hospitals.
- Well balanced diet with hygienic food and good drinking water (RO plant) available
- To make physically fit, modern gym available.
- The serene and green environment available to maintain the health.

## Sengunthar Arts and Science College, Tiruchengode

**4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

### Details of the Common Facilities available on the campus:

Common Facilities	Availability	Place
IQAC	Yes	Main building
Grievance redressal unit	Yes	Main building
Women’s cell	Yes	Admin Block
Counseling and career guidance	Yes	Placement Building
Placement unit	Yes	Exclusive
Canteen	Yes	Canteen Building
Recreational spaces for staff and students	Yes	Main Campus
Safe drinking water facility	Yes	Throughout the campus
Auditorium	Yes	Auditorium
Guest House	Yes	Exclusive

The drinking water units provide safe drinking water and are periodically analyzed for contamination.

- Grievance redressal unit and an anti-ragging squad under the guidance of Principal have been formed to address the student’s grievances and a separate space is provided for the same.
- We have a cafeteria functioning from morning till evening providing hygienic food and beverages. Placement and training department provides career guidance in conducting soft-skills and technical skills training programmes.
- Indoor sports room has been provided to encourage physical activities for both students and faculty. Auditorium has been provided with an accommodation of 1000 seats to conduct extracurricular activities and conferences.



**AUDITORIUM**



**LIBRARY**



**BOYS HOSTEL**



**PLACEMENT CELL**





**MAIN BLOCK**

**IQAC Committee Members**

S.No.	Name of the In-Charge	Functions
01	Dr.D.Ravikumar	Convener
02	Mr.P.Nallasivam	Curricular Aspects
03	Dr.S.Ravikumar	Teaching Learning and Evaluation
04	Dr.P.Venkatachalam	Research, Consultancy and Extension
05	Dr.S.Ravikumar	Infrastructure and Learning Resources
06	Dr.R.Palanivel	Student Support and progression
07	Mrs.R.Bharathi	Governance, Leadership and Management
08	Dr.S.Senthil Kumar	Innovations and Best Practices

## 4.2 Library as a Learning Resource

### 4.2.1 *Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?*

- Yes. Library Advisory Committee is formed with Librarian as Member Secretary, Principal as Chairperson and three senior faculty members from Arts, Commerce and Science as members.

S.No.	Name of the Member	Designation	Committee Designation
01	Ms.C.Angayarkanni	Librarian	Member Secretary
02	Dr.S.Arumugam	Principal	Chairperson
03	Mr.C.Dhanarajan	Asst. Prof. in Electronics & Comm.	Member
04	Dr.V.Senthilraja	Asst. Prof. in Commerce	Member
05	Dr.R.Hari Krishna Raj	Asst. Prof in Microbiology	Member

- The responsibilities of the library committee are
  - To consider policy matters regarding Central Library/Departmental libraries including the policy for procurement of books and journals and render advice to the Purchase Committee for Library material procurements.
  - To look into the day to day functioning of the library for students and staff and to solve the problems if any that occurs.
  - To supervise the allocation and utilization of funds for purchase of books and journals of different departments for the Central and Departmental libraries.
  - To maintain liaison between Central Library and various Academic Departments for the purchase of required books.
  - To consider the recommendations of faculty members regarding the purchase of books/journals, for the central library.
  - To consider and put forward the views of students and Research Scholars regarding their requirements and arranging them as per availability.

- The activities of the library are monitored by way of lending of books, purchase of books, lending of audio-visual material, stock verification, computerization etc.

### 4.2.2 *Provide details of the following:*

Total area of the library : 8104 sq. ft.  
Total seating capacity : 250

Working hours (on working days, on holidays, before examination days, during examination days, during vacation):

On working days : 09.00 a.m. to 05.30 p.m.  
On Holidays : 10.00 a.m. to 02.00 p.m.  
Before examination days : 09.00 a.m. to 05.30 p.m.  
During examination days : 09.00 a.m. to 05.30 p.m.  
During vacation : 10.00 a.m. to 1.00 p.m.

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

#### Library Layout

##### **Ground Floor**

- Librarian Room
- Library Assistant Room
- Tamilchola
- Periodicals
- Journals & Magazines
- Lending Books
- Reprographic Facilities
- Back volumes
- Reference section

## Sengunthar Arts and Science College, Tiruchengode

- Reading Tables
- Department books

### First Floor

- Librarian Room
- Department wise books for PG Courses

#### 4.2.3 *How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.*

We ensure the purchase of current titles, journals and other reading materials for the publisher's catalogue and also through internet.

The respective departments send their requirements for books and journals to the librarian. Based on this, the librarian prepares the budget and submits to the Management in consultation with the library committee.

Library holdings	2014 – 2015		2013 – 2014		2012 – 2013		2011 – 2012	
	Nos	Total Cost Rs.	Nos	Total Cost Rs.	Nos	Total Cost Rs.	Nos	Total Cost Rs.
Text books	169	18,917/-	162	19,707/-	821	1,66,521/-	752	1,31,408/-
Reference Books	120		120		250		200	
Journals/ Periodicals	216	4,34,599/-	-	-	205	3,92,097/-	201	4,15,817/-
e-resources	53	1,46,309/-	41	84,350/-	033	55,570/-	028	37,470/-
Any other (specify)	-	-	-	-	-	-	-	-

### 4.2.4 *Provide details on the ICT and other tools deployed to provide maximum access to the library collection?*

\* OPAC : 1 Server + 3 Clients

\* Electronics Resource Management package for e-journals: 53

S. No.	Department	No. of E-Resources
01	Mathematics	03
02	M.C.A.	14
03	M.B.A.	24
04	Electronics & Communication	04
05	Life Sciences	08
	<b>Total</b>	<b>53</b>

\* Library Automation

Library Automation Software is available.

\* Total Number of computers for public access : 02

\* Total Number of Printers for public access : 02

\* Internet Band width : 2.5 Mbps Shared Internet

\* Participation in Resource sharing networks / consortia (like Inflibnet)

- INFLIBNET
- DELNET
- NLIST

### 4.2.5 *Provide details on the following items:*

- Average number of walk-ins - 120
- Average number of books issued/returned - 60/35
- Ratio of library books to students enrolled
- UG - 1: 02
- PG - 1: 05
- Average number of books added during last three years - 152
- Average number of login to OPAC - 50
- Average number of login to e-resources - 150
- Average number of e-resources downloaded/printed - 150

## Sengunthar Arts and Science College, Tiruchengode

---

- Number of information literacy trainings organized - NIL
- Details of “weeding out” of books and other materials  
Every academic year 20 to 30 books are condemned and magazines such as weeklies, monthlies & Dailies are sold once in three years to old book vendor.

### 4.2.6 *Give details of the specialized services provided by the library*

Manuscripts	: yes
Reference	: yes
Reprography	: yes
ILL (Inter Library Loan Service)	: yes
Information deploy and notification (Information Deployment and Notification)	: yes
Download	: yes
Printing	: yes
Reading list/Bibliography compilation	: yes
In-house/remote access to e-resources	: yes
User Orientation and awareness	: yes
Assistance in searching Databases	: yes
INFLIBNET/IUC facilities	: yes

### 4.2.7 *Enumerate on the support provided by the Library staff to the students and teachers of the college.*

The Library staff provides support to the students and teachers of the college for the usage of the following facilities available in the library:

- Registration
- Book Search
- Lending and return of books
- References
- Internet & Intranet
- Scanning

- Photo copying
- Downloading and Multimedia

**4.2.8** *What are the special facilities offered by the library to the visually/physically challenged persons? Give details.*

The special attention is given to differently abled students. In addition to usual books extra books are issued for physically challenged students from the book bank. Wheel chair facility is available. Supporting staff are also available on request. Classes are normally kept on the ground floor for such students.

**4.2.9** *Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)*

- Yes. Feedback is collected from students and staff.
- Library Committee observes the utility rates by going through the borrower's registers and attendance registers.
- Feedback is taken from students of different groups and staff members by supplying a questionnaire and analyze their opinions.
- The opinions of the students and staff are discussed by the Library Committee and necessary steps are taken to improve the Library services.

### 4.3 IT Infrastructure

#### 4.3.1 Give details on the computing facility available (hardware and software) at the institution.

##### Systems with Configuration

S. No.	SYSTEM NAME	CONFIGURATION OF COMPUTER	QUANTITY
1.	WINDOWS 2000 SERVER ( XEON PROCESSOR ) (HCL)	PENTIUM 1.7 GHz / 28 ECC RAM/ 2*18 GB HDD(SCSI)/ AGP 4X/32 MB W/O TVOUT MB FDD/52X CD DRIVE 15" DIGITAL COLOUR MONITOR/ ONBOARD 10-100 MBPS FAST ETHERNET CARD HCL 2 BUTTON SCROLL MOUSE HCL 101 KEYS + 13 BUTTON	1
2.	LINUX SERVER ( XEON PROCESSOR ) (HCL)	PENTIUM 1.7 GHz / 28 ECC RAM/ 2*18 GB HDD(SCSI)/ AGP 4X/32 MB W/O TVOUT MB FDD/52X CD DRIVE 15" DIGITAL COLOUR MONITOR/ ONBOARD 10-100 MBPS FAST ETHERNET CARD HCL 2 BUTTON SCROLL MOUSE HCL 101 KEYS + 13 BUTTON	1
3.	NOVELL NETWARE SERVER (WIPRO)	PENTIUM @ 700 MHz CPU/ 256 MB RAM/2*9.1 GB HDD(SCSI)/ 1.44 MB FDD/50X CD DRIVE 15" DIGITAL COLOUR MONITOR/ ONBOARD PRO 10-100 MBPS FAST ETHERNET CARD	1
4.	HP XEON SERVER	PROCESSOR INTEL, XEON DUAL CORE 5200 ,RAM 1GB ,HRD 160GB, MONITOR HP L1710,LCD 17"	1
5.	HCL CORE 2 DUO SYSTEM	INTEL CORE 2 DUO 1.86 GHz PROCESSOR / INTEL Q965 CHIPSET MBD / 1 GB DDR II RAM 160 GB SATA HDD/ HP KEYBOARD / OPTICAL MOUSE HP 17" TFT MONITOR	10



## Sengunthar Arts and Science College, Tiruchengode

6.	HCL DUAL CORE SYSTEM	PENTIUM D 2.80 GHZ 1 GB DDR RAM/ 160 GB SATA HDD (7200 RPM)/ 52X CD ROM/ MM KEYBOARD/ PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/ OPTICAL SCROLL MOUSE/ 17" TFT COLOUR MONITOR	33
7.	HCL INFINITI AMD SYSTEM	AMD ATHLON XP 2800+ 333 MHZ, 128+512K /DDR266 256 MB RAM/ 40 GB HDD ATA 1100 IDE 5400 RPM/ PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/104 KEY+14 BUTTON PS/2 KEYBOARD/ HCL OPTICAL SCROLL MOUSE/ 15" HCL COLOUR MONITOR	14
8.	HCL INFINITI ORBITAL SYSTEM	AMD ATHLON XP 2400+ 266 MHz DDR266 256 MB RAM/ 40 GB HDD PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/ 600W SPEAKER SYSTEM/ HCL OPTIC MOUSE/ MICROPHONE	4
9.	HCL PIV NODES	PENTIUM IV 2.93 GHz 256 MB DDR II RAM/ 160 GB SATA HDD (7200 RPM)/ 52X CD ROM/ MM KEYBOARD/ PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/ OPTICAL SCROLL MOUSE/ 17" TFT COLOUR MONITOR/	17
10.	WIPRO	PIII 667 MHZ PROCESSOR,10 GB HDD/64 MB SD RAM/COLOR MONITOR/1.44 MB FDD/ PC100/INTEGRATED GRAPHICS WITH 4MB /104 KBD,CD ROM SPEAKER	6
11.	HP CORE 2 DUO SYSTEM	HP COMPAQ DESKTOP INTEL CORE 2 DUO E4600 PROCESSOR INTEL G33 CHIPSET MBD / 1 GB DDR2 RAM 160 GB SATAHDD HP KEYBOARD / OPTICAL MOUSE HP 17" TFT MONITOR	98
12.	COMPAQ PENTIUM IV SYSTEM	COMPAQ P4 PROCESSOR 2.41Ghz 256MB DDR RAM 40 GB HDD KEYBOARD / SCROLL MOUSE 15"CRT COLOUR MONITOR	25

**Computers-Student Ratio : 1:2**

## Sengunthar Arts and Science College, Tiruchengode

---

### LAN facility:

Sl. No.	LAB NAME	No. of SYSTEMS
1	M.C.A. LAB	87
2	M.Sc. CS & RESEARCH LAB	45
3	UG COMPUTER SCIENCE LAB	80

### Wi-fi Facility:

Wi-Fi facilities are available for students and staff members.

### Licensed Software's List

SL.NO.	SOFTWARE DETAILS
1	Windows NT
2	Oracle 9i
3	Visual Studio 6.0
4	Visual Studio 2003

### Number of Nodes/ Computers with Internet facility:

No. of SYSTEMS	PROVIDER NAME	BANDWIDTH (mbps)
60	Ready link Internet Services Limited, Coimbatore	2.5

### **4.3.2** *Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?*

#### ***The total number of computers available is:***

Central computer facility is available with high speed internet connection in the campus which caters to most of the browsing requirement of the students. Wi-Fi facility is provided for the students to work in their laptops both in campus and hostels.

- Computers are provided for Faculty with internet facility.
- The department library is also provided with computers along with internet facility.
- Wi-Fi enabled campus.

### **4.3.3** *What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?*

The institution maintains thrust on this vital area to ensure continuous and consistent availability in tune with the growing needs as well as changing technologies. The institute places lot of importance on e-learning and major plans is in hand to upgrade the bandwidth, connectivity as well as the devices.

### **4.3.4** *Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)*

Item	Expenditure (2014-15) ( Lakh)	Expenditure (2013-14) ( Lakh)	Expenditure (2012-13) ( Lakh)	Expenditure (2011-12) ( Lakh)
Computers	NIL	NIL	NIL	NIL
Maintenance	0.104	0.022	0.114	0.18

### **4.3.5** *How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?*

- E-class room with all the required ICT facility is made available to conduct Guest Lectures, Workshops and Seminars.
- LCD Projectors and Overhead Projectors are made available to Departments to promote Computer-aided teaching-learning.
- All the Teaching staff members are encouraged to adopt modern teaching methods using ICT.
- Students are encouraged to prepare and present PPTs during student seminar sessions.

### **4.3.6** *Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.*

The vision and the mission of the institution have always been to provide holistic knowledge to its students. Keeping the students' learning at the centre of everything, the college understands that the teachers have to be reoriented from time to time. The institution encourages the staff to undergo training on the computer-aided teaching and training. The college also has been conducting week-long sessions, in tune with the orientation courses, for the college faculty on the use of computers. The computer department also organizes training sessions on the use of Internet for learning resources. Well-equipped computer Labs, LCD and OHPs are available to the faculty for computer aided teaching. The computer faculty is always available for any need based assistance in the use of ICT. At present teachers can use internet for various modules.

### **4.3.7** *Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?*

Yes, the national knowledge network connectivity resources like INFLIBNET, DELNET and N-LIST are available in our Institution.

## **4.4 Maintenance of Campus Facilities**

### **4.4.1** *How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?*

The fund allotted by our management are utilized as follows:

S.No:	Item	Allotted 2014 – 2015 ( Lakh)	Allotted 2013 – 2014 ( Lakh)	Allotted 2012 – 2013 ( Lakh)	Allotted 2011 – 2012 ( Lakh)
a.	Building	2.0	1.8	1.5	1.75
b.	Furniture	1.0	1.0	1.5	1.5
c.	Equipment	0.5	0.5	0.5	0.5
d.	Computers	0.5	0.5	0.5	0.5
e.	Vehicles	130.0	125.0	100.0	90.0

### **4.4.2** *What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?*

Full time salaried personal are employed for different levels of maintenance. The facilities are maintained by duly appointed personnel with adequate funds allotted in the budget with the following responsibilities.

- Stock verification is done annually.
- The maintenance cost of the buildings, furniture, and library is met out of the special fee funds.
- The repairs and maintenance expenditure of Laboratories is made out of fee collected for Laboratories.

- Major expenditure incurred on maintenance is borne by the Management.
- Lab attendants, Carpenters, Electricians / Class IV Employees and Gardeners keep the campus in good shape.
- Repair and paintwork is done as and when required.
- Assistance of N.S.S. Volunteers is sought from time to time.
- Assistance of skilled professionals is taken on payment basis to repair lab equipment.
- Whenever necessary, the Management takes the help of Civil Engineers and Architects on payment basis.

#### ***4.4.3 How and with what Frequency dose the institute take-up calibration and other precision measures for the equipments / instruments.***

- \* The general equipments not used for analytical purpose that can effects the results of analysis. These instruments are calibrated, maintained by regular cleaning and safety checks.
- \* The analytical instruments are periodically checked for their performance according to the manufacture user guidance or standard test procedures.
- \* If the instrument is not proper in performance and its calibrations, that instruments are serviced by the service engineer of equipment suppliers. The general equipments services carried out with the service man to attend to the various requirements.

#### ***4.4.4 What are the major steps taken for location, up keep and maintainace of sensitive equipments?***

The sensitive equipments like (UV-Spectrophoto meter, Gel documentation unit, Ultra Centrifuge, BOD incubator, etc..) kept them in air contained instrumentation room (20×20 feet). The instruments which are required high power supply and 24 hrs in working are adapted with stabilizers. Interruption of power supply ratified by using power generators.

**CRITERION V: STUDENT SUPPORT AND PROGRESSION**

**5.1 Student Mentoring and Support**

**5.1.1 *Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?***

Yes, the college issues a prospectus to the students aspiring to join SASC. The prospectus contains detailed information about the post graduate and under graduate courses offered, achievements of the institution, and also briefly about the placement details of the student.

The college handbook provides information about

- Vision and mission of the college
- Commitments & objectives of the college
- Organizational structure
- Various courses offered
- Staff members –Teaching
- Rules and regulations of the college
- Pattern of Examination, evaluation system and requirements for promotion
- Academic calendar
- Student support services
- It emphasizes on providing —ragging-free college environment by the inclusion of the testimony from every student and his/her parent
- The co and extra-curricular activities planned and conducted

**5.1.2 *Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?***

- The College facilitates the eligible students to obtain various scholarships and financial assistance given by the Government. The sanctioned amounts are disbursed on time.

- Cash awards to outstanding students.
- Fee waiver for University rank students during their admission.

### 5.1.3 *What percentage of students received financial assistance from state government, central government and other national agencies?*

Students received financial assistance from the state/central government and other national agencies – Post-metric SC/ST scholarship, Backward Community & Minorities Scholarship

Year	College	Govt	Others	Percentage
2010-2011	116	75	17	12.67 %
2011-2012	142	138	23	18.85 %
2012-2013	153	160	24	21.10 %
2013-2014	155	181	41	21.20 %
2014-2015	186	123	21	15.61 %

### 5.1.4 *What are the specific support services/facilities available for students from SC/ST, OBC and economically weaker sections, students with physical disabilities, overseas students, students to participate in various competitions/National and International, medical assistance to students: health centre, health insurance etc., organizing coaching classes for competitive exams, skill development (spoken English, computer literacy, etc.), support for “slow learners”, exposures of students to other institution of higher learning/corporate/business house etc. and publication of student magazines.*

- **Students from SC/ST, OBC and economically weaker sections**
  - Scholarships
  - Remedial coaching
  - Guidance on Career and Placement
  - College identifies SC/ST, OBC students during the process of the admission and it maintains a detailed record of the same.
- **Students with Physical disabilities**
  - Sengunthar Education Trust provides 50% concession in tuition fee for physically challenged students.



## Sengunthar Arts and Science College, Tiruchengode

---

- Provides Scholarship facility and financial support from other sources.
- At the time of examinations, seating arrangement is provided in the nearest rooms located in ground floor.
- **Students to participate in various competitions/National and International**
  - To encourage the participation of students in various competitions conducted by other college, our management extends TA/DA for the students.
  - For the price winners in the outstation competitions, our management provide equal amount as cash award.
  - Books for competitive exams and journals are made available in the library.
  - Career and Guidance Cell provides the information about the Competitive Examinations and organizes skill development programs.
  - Employment news magazine is kept for the reference in the library.
  - Students are encouraged to participate in the National Talent Search Examinations.
- **Medical assistance to students: health centre, health insurance etc.**
  - Students, staff members and one earning parent of students are covered in Group Insurance Policy schemes.
  - Emergency medicines are kept in the college for the needy students.
  - The local Doctor appointed by the Management.
  - Yoga is practiced.
- **Organizing coaching classes for competitive exams**
  - Career Guidance and Placement Cell conducts the coaching classes for various Competitive examinations and PG Common Entrance Tests.
- **Skill development (spoken English, computer literacy, etc.,)**
  - Computer and Internet awareness program is conducted to all the 1st year non- computer Science degree students.
  - To improve the speaking and writing skills of the students from rural areas,
  - Programs on Communication Skills, Personality Development etc., are conducted.

- **Support for “slow learners”**
  - Based on the performance in University and Internal examinations slow learners are identified by the Departments.
  - Subject wise Remedial Classes are conducted by respective Departments in extra hours to improve their performance.
  - Special Counseling sessions are conducted to encourage the slow learners.
- **Exposures of students to other institution of higher learning/ corporate/business house etc.**
  - During field trips and industrial visits, students are exposed to business houses like Nationalized Banks, Life Insurance Corporation of India branches and nearby located industries.
  - Students are encouraged to participate in the Quiz programs, Elocution and Essay writing competitions, Debates etc., organized by the other Institutes.
- **Publications of Students Magazines**
  - For the past twenty four years the students brings out a hand written Tamil Magazine “Uthayabaratham”, which is a collection of creative writings of students and staff members on every month.

### ***5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.***

The institute has a placement cell of its own. Over the years the college has helped scores of its students in finding better job opportunities and better enterprises to work in. Our Placement Cell encourages outgoing students to visualize the starting of their own enterprises and become active contributors to the nation’s GDP. The placement cell assesses the needs of entrepreneurs and prepares a comprehensive training module to equip the outgoing students with necessary skills with emphasis on employment generation for the rural people.

**5.1.6** *Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.*

College encourages and motivates students to participate in various extracurricular activities. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities.

- Students participating in University level Sports and Games meet; Tournaments and Coaching Camps are given special OD in College attendance.
- Meritorious candidates in Sports/Games are offered cash prizes.
- Motivation and assistance to participate in national & international competitions.

**5.1.7** *Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOEFL / GMAT / Central /State services, Defense, Civil Services, etc.*

The Institute has a separate support system for the students appearing and qualifying in various competitive examinations. Students who are interested and willing to appear in various competitive examinations are helped by the teachers in matters of study materials and counseling for the right strategies. They are also given training to take up competitive exams. Students are allowed to have access to library and to refer the books related to entrance test.

Students can appear in online examinations using internet facilities at our institution. The central library has a separate career guidance cell with the necessary books and journals.

### **5.1.8 *What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)***

The college has a career counseling and guidance cell located in the campus. The teacher in charge is available round the clock to the students. The counseling cell makes adequate arrangement for the guidance of the students during the time of the admissions. The students seeking admission are counseled in the choice making matters during the admission. The choice of the career and the doubts of the students are listened to very carefully and the solutions of the problems are provided. The students who need psychological counseling or any type of social counseling are also attended to very carefully. The following services are made available for the students:

#### **ACADEMIC & CAREER COUNSELING:**

The students, at the time of the admission, are helped by the faculty present in choosing right stream. They are informed about the scope and nature of the various subjects that form the syllabus. The students are not pressurized in choosing the subjects. They are given right kind of counseling which helps them shape their career.

#### **PERSONAL & PSYCHO-SOCIAL COUNSELING:**

The students during the course of their studies in the college come across various issues. They are, at times, too immature to handle the problems. The college provides them personal counseling. They can share their problems with the teachers. The teachers concerned are very supportive in guiding them fight their problems. The candidates at times come face to face with certain social issues or problems which tend to bring the inferiority complex in them. The teachers make it sure that no such deterioration happens with the psycho social understanding of the students. They are counseled to become better human

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the program).**

Yes. Career Guidance and Placement Cell was established in the College.

- The cell provides a year long training session on Personality Development, Soft Skill Development, Coaching on Entrance Examinations (Aptitude exams), arranges mock interview and spoken English.
- Provides information relating to opportunities for Higher Education.
- Provides information relating to competitive examinations.
- Provides information relating to job opportunities available in public and private sectors.
- Conducts interactive sessions to all the outgoing students on job opportunities, appraisal of Institutions of Higher Learning and Soft Skills.
- Identifies important areas and provides study material to students.
- Provides information about PG entrance examinations conducted by different Universities.
- Provides addresses of the national agencies like Railways, Banking services, UPSC, TNPSC.
- Provides information regarding recruitment in Indian Army, Navy, Air Force and Tamilnadu Police.
- Advises them to improve their communication skills and analytical skills.
- 80% of the students are getting selected on Campus interviews.
- Some of the companies who visited our institute for providing job opportunities to our students are HCL, Bangalore, Chennai, TCS Chennai, IBM, Chennai, Sify, Chennai, ICICI, HDFC, Hindustan Lever Ltd, Hosur, Wipro, Bangalore and Chennai, Infosys, Chennai etc...

**5.1.10** *Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.*

- Yes, college has a grievance redressal cell. Grievance redressal cell regularly interacts with the students to help them sort out their grievances. It addresses to registered and unregistered grievances of the students.
- As per the guidelines of slow learners, extra coaching classes were arranged after the working hours (4.00 pm – 4.30 pm) and also even on holidays.
- Most of the students are from rural areas, they felt bit difficult in understanding classes taught in English. Hence, the staff members are advised to explain the important concepts in bilingual way (both in Tamil and English)
- Students from interior place asked the principal for bus facility from their places to the college. Based on this request, necessary steps were positively taken.
- To fulfill the request of students, safe drinking water purified through UV-RO treated is being supplied throughout the campus.

**5.1.11** *What are the institutional provisions for resolving issues pertaining to sexual harassment?*

There is a sexual harassment committee headed by a senior lady professor. Committee takes care of resolving the issues pertaining to sexual harassment. This committee is formed by the Principal, Heads of various departments, student representatives and the hostel wardens.

Women Empowerment Cell takes care of Women students and offers counseling for prevention of sexual harassment. But such incidents have not taken place in our college so far.

**5.1.12** *Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?*

Yes. The anti-ragging committee is constituted as per Government / University norms. So far no ragging complaint has been received

- There is an active constituted under the chairmanship of The Principal. Composition of anti-ragging committee for the current academic year is listed below
- It is evident that senior professors and senior students are a part of committee. Services of committee members are utilized towards counseling of both junior and senior students and also educating senior students about what constitutes ragging as per the latest UGC guidelines. Both parents and senior students swear in an affidavit before commencement of academic year. Where it is stated that they will not indulge in any sort of ragging. Whatsoever and are aware of the punishments.
- Anti-ragging committee inform the parents and their wards about anti-ragging rules and the consequences of ragging activity, an affidavit is taken by the student and his/her parents at the time of admission.
- Also an anti-ragging squad is constituted which keeps continuous vigilance in all common areas/hostels etc. beyond college hours, to prevent the ragging incidents.
- Due to these stringent measures, our campus is ragging free and no incidence of ragging has been reported till date.

### **5.1.13 *Enumerate the welfare schemes made available to students by the institution.***

Yes. Our institution has many welfare schemes for students which help them in building a successful career. Remedial teaching is arranged for slow learners. Free medical and fitness checkup is routinely undertaken.

- Institutional scholarships.
- Distribution of state and central government scholarships.
- Endowment awards.
- Medical Facility.
- Supporting facilities for getting educational loan.
- Organizing book-fairs, education-fairs etc.
- Academic tutor mentorship.
- Career guidance and campus placement.
- Support for participation in curricular, co-curricular and extracurricular events
- Group Insurance
- Placement Training

## Sengunthar Arts and Science College, Tiruchengode

- Spoken English
- Bank Exam Coaching
- Personality Development Programme
- Sports Training
- Cash award for meritorious students.

### **5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?**

- The College has set up the registered alumni association which started functioning from 2000. While rejuvenating the memories of the college, a network of old students was achieved. The alumni organize lectures on personality development. It has been helping in holding interactive sessions to motivate students regarding social adjustments.
- Most of the alumni, settled in various capacities are invited to deliver guest lecture to our students.
- Alumni of our college, regularly recruit the final year students for campus placements, as they are in the position of company HRs.

### **List of distinguished Alumni of our College**

SL.No	NAME OF THE ALUMNI	CURRENT POSITION
01	R.SENTHIL	Inspector of Police Law & Order, Tamilnadu
02	R.BALAJI	Sub-Inspector of Police, CBI
03	R.GANAPATHY RAMACHANDIRAN	Assistant Engineer, Research & Development Pricol, Coimbatore,
04	S.KRISHNA MOORTHY	Hardware Engineer, Robert Bosch Engineering & Business, Coimbatore
05	L.BALAJI	Team Leader Robert Bosch Engineering & Business Coimbatore
06	G.ANBUMANI	Project Manager City Union Bank, Chennai



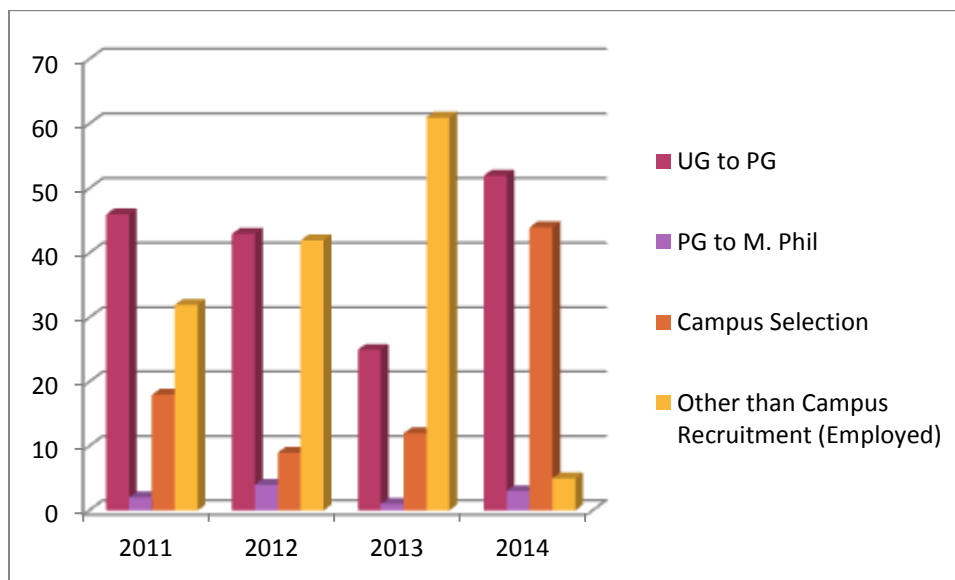
## 5.2 Student Progression

### 5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

The details of the students progress to the higher education employment for the last four years.

Student Progression	Percentage			
	2011	2012	2013	2014
UG to PG	46	43	25	52
PG to M. Phil	02	04	01	03
PG to Ph.D	-	-	-	-
Any other ( After UG)	-	-	-	-
Any other (After PG)	-	-	-	-
Campus Selection	18	09	12	44
Other than Campus Recruitment (Employed)	32	42	61	05

### Students Progression



## Sengunthar Arts and Science College, Tiruchengode

*5.2.2 Provide details of the program wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)? Furnish program-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.*

### Under Graduate Programmes

Sl. No	Courses	2010-2011				2011-2012				2012-2013				2013-2014			
		Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%
1	B.Com.	26	25	18	72	23	23	20	87	18	18	15	83.33	24	24	22	92
2	B.Sc. Bioche.	-	-	-	-	-	-	-	-	5	5	4	80	--	-	-	-
3	B.Sc. Chemistry	-	-	-	-	19	19	4	21	12	11	6	50	16	15	7	46
4	B.Sc. Mathematics	14	14	12	85.7	58	58	51	87.93	50	49	40	81.63	38	38	31	81.6
5	B.Sc. Microbiology	6	5	5	100	13	12	12	100	22	22	22	100	14	14	14	100
6	B.Com.(C.A.)	115	114	86	75	120	118	112	95	87	87	72	83	65	64	52	81.25
7	B.Sc. Elec & comm.	6	6	6	100	16	16	13	81.2	15	14	11	78.5	5	5	4	80
8	B.Sc. Biotechnology	16	16	16	100	9	8	4	50	19	19	13	68.4	26	26	12	48.1
9	B.B.A.	50	50	42	84	90	81	72	89	38	38	36	95	49	48	46	94
10	B.Sc. Computer Science	72	72	57	79.17	45	45	41	91	42	42	32	76	79	79	38	48
11	B.C.A.	103	103	83	81	32	32	28	87.5	53	53	42	79.24	74	74	42	56.7
12	B.A. English	-	-	-	-	-	-	-	-	46	36	30	83	30	27	19	70

# Sengunthar Arts and Science College, Tiruchengode

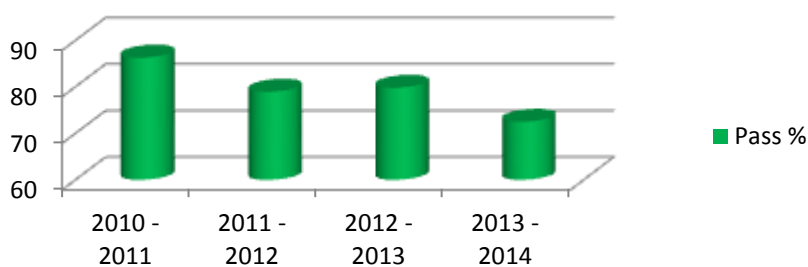
## Post Graduate Programs

Sl No	Courses	2010-2011				2011-2012				2012-2013				2013-2014			
		Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%	Total	App.	Pass	%
1	M.Sc. Computer Science					13	13	13	100	23	23	20	86.95	11	11	11	100
2	M.C.A.	27	27	27	100	36	36	34	94.5	31	31	30	96.7	43	43	39	90.7
3	M.Com.(C.S.)	9	9	9	100	25	25	24	96	14	14	13	92.85	18	18	17	94.44
4	M.Sc. Biochemistry	-	-	-	-	3	3	2	66.6	-	-	-	-	-	-	-	-
5	M.Sc. App. Microbiology	17	17	16	94.11	21	21	21	100	14	14	14	100	15	13	13	100
6	M.Sc. Biotechnology	20	19	19	100	4	4	4	100	12	12	12	100	6	6	5	83.3

### Result Analysis of UG Courses

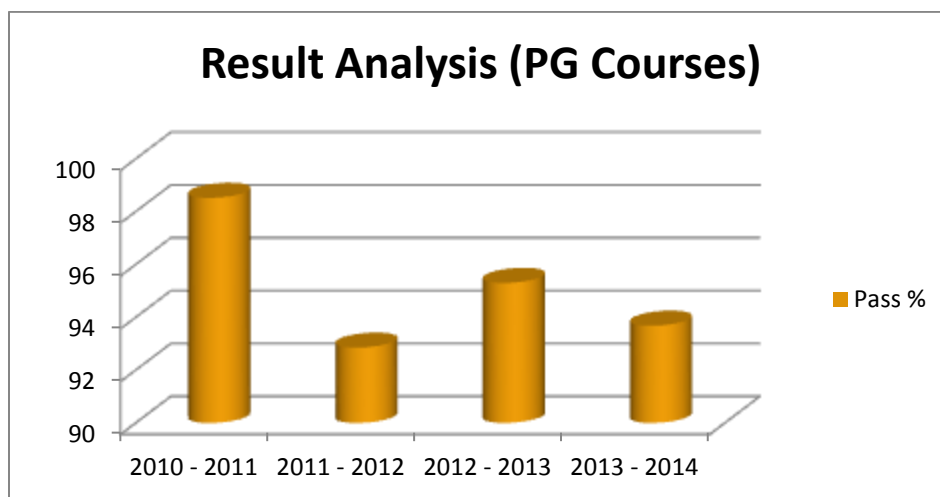
Academic Year	Pass %
2010 - 2011	86.31
2011 - 2012	78.96
2012 - 2013	79.84
2013 - 2014	72.51

### Result Analysis (UG Courses)



### Result Analysis of PG Courses

Academic Year	Pass %
2010 - 2011	98.52
2011 - 2012	92.85
2012 - 2013	95.30
2013 - 2014	93.68



### 5.2.3 *How does the institution facilitate student progression to higher level of education and/or towards employment?*

- To encourage the student enrollment in PG Programme the management provides Rs.10,000/- fee concession to alumni of UG, wishes to pursue PG programme in our college.
- In the recent years so many Job openings are created in Private Industries & Special Economic Zones. There is a great demand to Science Graduates as well as Commerce Graduates for the posts of technicians and administrative supporting staff.
- Majority of the students are acquiring Employability skills through the programs (such as Computer Awareness Program, Add-on Programs etc.,) offered by the College. Taking the advantage, good number of students are able to secure jobs soon after completing their graduation.
- The institution facilitates the modern teaching learning academic programme according to the present employment market.

### **5.2.4** *Enumerate the special support provided to students who are at risk of failure and drop out?*

1. Critical subject which will lead to dropout is given at most care
  - Remedial / extra classes
  - Solved question banks
  - Additional improvement tests
  - Attaching separate mentor for group of academically weak students
  - Continuous liaison with parents / guardians and reporting of academic performance
2. Continuous monitoring of student's attendance.
3. Counseling and mentoring system available for students in the department
  - In case of dropouts, the concerned Counselor interacts with the students and parents and finds out the reasons and facts. Later through counseling, he tries to convince the parents and also students to continue their studies.
  - The problem of drop out also results out of the financial constraints of the parents. The college provides student aid fund to these needy students to reduce the dropout rate. Women's welfare committee also places a role to minimize the dropout rate. Slow learners are identified by the advisors and remedial courses are conducted to improve their performance. Because of these steps the dropout rates are minimized.
  - In case of failure and slow learners, extra tutorials and remedial classes are conducted to improve their performance.

## **5.3 Student Participation and Activities**

### **5.3.1** *List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.*

The College has a wide range of sports, games, cultural and extra-curricular activities that are available to the students. The college has always created a niche for itself in the field of sports. The college has since long times, been participating in various inter

## Sengunthar Arts and Science College, Tiruchengode

university, university level tournaments. The college provides excellent sports and games facilities in cricket, football, basket ball and indoor games. Our students excel in sports and games and are champions in University and National events.

A full-fledged Physical education department under qualified male and female physical education team is established.

- 1) Provides adequate training in athletics as well as specialized sports and games.
- 2) Participation in all university organized tournaments and also tournaments organized by other universities at state and national level is organized.
- 3) To have physical & mental fitness of students
- 4) To create the awareness about the global sport events
- 5) To develop the work, leadership, co-ordination, co-operation among the students

### *5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.*

College encourages its students take part in various co-curricular, extracurricular & cultural activities. Our college students has excelled in various competitions of university, state, zonal, national & international level.

#### **Achievement in Sports**

Number of sports events conducted in our college is given below:

Year	Intramural Games		Athletic Events		Inter college Tournaments and Selection trails	Coaching campus
	Men	Women	Men	Women		
2010-11	45	25	41	33	15	9
2011-12	24	22	30	33	10	5
2012-13	41	28	46	36	10	10
2013-14	44	21	60	29	9	9
2014-15						

The Intramural Games and the Athletic Events are conducted every year for all the students prior to the Annual Sports Day.

## Sengunthar Arts and Science College, Tiruchengode

---

Number of students participated in Sport and Games and other events at University/State and National Level are given below:

Year	University/ State Level	National Level
2010-11	16	8
2011-12	15	4
2012-13	16	0
2013-14	4	1
2014-15		

Number of Medals / Award Won by Students Sports, Games and Other Events at University/State and National Level are given below:

Year	University/ State Level	National Level
2010-11	23	7
2011-12	11	4
2012-13	11	0
2013-14	7	0
2014-15		

Number of Medals / Award Won by Students in the Open / Invitation Tournaments are given below:

Year	District Level	State Level	National Level
2010-11	11	1	1
2011-12	9	5	1
2012-13	7	1	10
2013-14	4	3	0
2014-15			

Year	No. of students participated	No of Prizes Won
2010-11	11	12
2011-12	20	20
2012-13	10	10
2013-14	8	13
2014-15		

## Sengunthar Arts and Science College, Tiruchengode

### List of price winners in Cultural Activities

DATE	PLACE	COMPETITION	NAME	PRIZES
08.08.09	Namakkal	Bharathidhasan Poem recitation	S.Bharathi II BBA	Consolation Prize Rs.1000
30.09.09	Salem	Hindi Speech competition	Ambigeshkumar III B.Sc.(Biotech)	1 <sup>st</sup> Prize
14.11.09	Namakkal (Co-operative Management Centre)	Speech competition	S.Bharathi II BBA	2 <sup>nd</sup> Prize
13.02.10	Salem(Manufacturing Organization)	Speech competition	S.Bharathi II BBA	2 <sup>nd</sup> Prize

### 2010 -2011

DATE	PLACE	COMPETITION	NAME	PRIZES
20.07.10	Salem	Mimicry	M.Mohanraj, II BBA	3 <sup>rd</sup> Prize Rs.500
07.08.10	Namakkal	Paavendhar Poem recitation	S.Bhavani, III BBA	1 <sup>st</sup> Prize Rs.5000
27.08.10	Namakkal	Speech competition conducted by "Tamil Developing movement"	P.Manikandan, II MBA	1 <sup>st</sup> Prize Rs.1000
19.09.10	Namakkal	District level speech competition conducted by forest department	P.Manikandan, II MBA	1 <sup>st</sup> Prize
25.09.10	Chennai	State level speech competition conducted by forest department	P.Manikandan, II MBA	3 <sup>rd</sup> Prize
25.09.10	Chennai	Veterinary College	P.Manikandan, II MBA	Consolation Prize
09.10.10	Namakkal	Periyar Suyamariyathai Speech competition	P.Manikandan, II MBA	1 <sup>st</sup> Prize
09.10.10	Namakkal	Periyar Suyamariyathai Speech competition	S.Bhavani, III BBA	2 <sup>nd</sup> Prize
06.01.11	Erode	Youth Festival-Skit	I MBA Students	1 <sup>st</sup> Prize



## Sengunthar Arts and Science College, Tiruchengode

---

### 2011 -2012

DATE	PLACE	COMPETITION	NAME	PRIZES
16.07.11	Namakkal	Paavendhar Poem recitation	Karthika III MCA	1 <sup>st</sup> Prize, Rs.3000
16.07.11	Namakkal	Paavendhar Poem recitation	S.Sathya II M.Sc (Microbiology)	Consolation Prize Rs.1500
16.07.11	Namakkal	Paavendhar Poem recitation	Ramya II B.A.(Eng.)	Consolation Prize Rs.1500
05.08.11	Rasipuram	Muthamizh Mandram	Karthika III MCA	Second Prize
28.08.11	Salem	Poetry Competition	K.Gopal I B.Sc. (Chemistry)	Second Prize
30.09.11	Namakkal	Elocution	Ramesh Kumar III MCA	First Prize

### 2012 -2013

DATE	PLACE	COMPETITION	NAME	PRIZES
18.08.13	Salem (Muthamil Mandram)	Essay Writing	A.Mohankumar II M.Sc.(Biotech)	1 <sup>st</sup> Prize, Rs.500
18.08.13	Salem (Muthamil Mandram)	Drawing	A.Mohanraj II MBA	3 <sup>rd</sup> Prize
24.08.13	Namakkal	Bharathidhasan Poem recitation	S.Sathya II M.Sc. (Microbiology)	2 <sup>nd</sup> Prize, Rs.3000
24.08.13	Namakkal	Bharathidhasan Poem recitation	A.Mohankumar II M.Sc.(Biotech)	3 <sup>rd</sup> Prize, Rs.2000
24.08.13	Namakkal	Bharathidhasan Poem recitation	M.Mohanraj I B.Sc.(maths) P.Sasikumar II B.Sc. (Biotechnology) M.Madhushalini II B.A.(English)	Consolation Prize, Rs.1500 each
27.08.13	Coimbatore	Speech Competition (Tamil Language Conference)	A.Mohankumar II M.Sc.(Biotech)	Consolation Prize
08.09.13	Salem (Silambu Organization)	Speech Competition	A.Mohankumar II M.Sc.(Biotech)	1 <sup>st</sup> Prize

## Sengunthar Arts and Science College, Tiruchengode

**2013-2014**

DATE	PLACE	COMPETITION	NAME	PRIZES
22.02.14	Coimbatore	Software Programme Competition	B.Meiyazhagan III B.Sc. (Electronics) K.Jegan II B.Sc. (Electronics)	1 <sup>st</sup> Prize, Rs.500
04.03.14	Jamal Muhamod College, Trichy	State Level Poem Writing	K.Gopal III B.Sc.(Chemistry)	1 <sup>st</sup> Prize Rs.2500
04.03.14	Jamal Muhamod College, Trichy	State Level Poem Writing	M.Madhushalini II B.A.(English)	Consolation Prize

### *5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?*

Feed back is collected from students, Alumni, parents and employers every year. Questionnaire in the prescribed format covering the curriculum of the courses offered, teaching and learning methods, extra curriculum etc., are distributed and opinions, suggestions are collected to improve the performance and quality. Appropriate actions in this regard will be initiated by the Head of the Institution. Alumni meets are conducted in order to get their suggestions and ideas of the old students to improve the quality and outlook of the college. Periodical interaction is maintained with employers in order to implement the stakeholders need/ future trend etc., to benefit for both industry and students.

### *5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.*

The college magazine committee has student representatives. A faculty member is given charge of supporting the students in publishing the college magazine, thereby

## Sengunthar Arts and Science College, Tiruchengode

giving opportunity to the students to express their literary skills. Besides individual departments also encourage students in literary activities.

Year	Magazine Committee	
2010-2011	Editor	Prof. A. Baladhandapani , Dean
	Sub Editor	Dr. S. Arumugam, Principal
	Co-ordinator	Dr. K. Srinivasan , H.O.D Tamil Dept
	Faculty Members	Dr. D. Ravikumar, H.O.D. B.B.A.
	Member of Student	Mr. D. Ramesh , III B.Sc (Maths)
2011-2012	Editor	Prof. A. Baladhandapani , Dean
	Sub Editor	Dr. S. Arumugam, Principal
	Co-ordinator	Dr. K. Srinivasan , H.O.D Tamil Dept
	Faculty Members	Mrs. R. Rajalakshmi, Asst Prof of English
	Member of Student	Mr. V. Praveen, III B.Sc (CS)
2012-2013	Editor	Prof. A. Baladhandapani , Dean
	Sub Editor	Dr. S. Arumugam, Principal
	Co-ordinator	Dr. K. Srinivasan , H.O.D Tamil Dept
	Faculty Members	Mrs. D. Renuka, Asst, Prof of Computer Dept
	Member of Student	S. Somu, III B.A (English)
2013-2014	Editor	Prof. A. Baladhandapani , Dean
	Sub Editor	Dr. S. Arumugam, Principal
	Co-ordinator	Dr. K. Srinivasan , H.O.D Tamil Dept
	Faculty Members	Dr.S.Ravikumar, H.O.D. in Commerce
	Member of Student	Mr.D.Vivek, III B.Sc.Mathematics
2014-2015	Editor	Prof. A. Baladhandapani , Dean
	Sub Editor	Dr. S. Arumugam, Principal
	Co-ordinator	Dr. R. Palanivel , Asst. Prof of Tamil Dept
	Faculty Members	Mrs.K.R.Shanthini, H.O.D. in Biochemistry
	Member of Student	Mr.P.Bharathiraja, III B.Sc. Biotechnology

### 5.3.5 *Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.*

Representatives from the students are selected to organize the various activities in the College under the Associations such as selection is based on the academic merit and the performance in the concerned unit.

### ***5.3.6 Give details of various academic and administrative bodies that have student representatives on them.***

- The institute believes in giving the equal opportunity to the students in supporting the authorities and the college faculty in running the affairs of the college. For this the college endeavors to provide them with opportunities to participate in the various academic and administrative bodies. Students take active part in various committees. The student representatives are in:
  - Magazine committee: The committee comprises Chief Editor, Editor and student Editors. The committee invites writings from students, teachers and non-teaching staff and publishes them in the form of magazine periodically.
  - Cultural committee: This committee is constituted to promote the cultural activities among the students. Culturally talented students are spotted by committee member and the efforts are made to develop their skills and talents by encouragement, right training and performances.
  - Placement cell
  - Sports committee
  - Grievance cell
  - Disciplinary committee
  - Library advisory committee
  - Alumni Association
  - Cultural committee
  - Career counseling committee

### ***5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.***

- Institution maintains cordial relations with former faculty and Alumni of the institution. Former faculty members are called as Special invitees on every important and special occasion in the college. Rich experiences of them are utilized for the development of the Institution.
- Suggestions from Alumni are also considered in the developmental aspects of the Institute.

## CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 Institutional Vision and Leadership

**6.1.1** *State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?*

**Vision:**

To provide quality higher education to the rural youth with an affordable cost to mold them with better conduct and character committed to societal needs and national development.

**Mission:**

To be innovative, inclusive institution, committed to excellence in teaching, research and knowledge transfer and to serve the social, cultural and economic needs of the nation.

**Values :**

Excellence – Integrity – Innovation – Diversity – Social Responsibility – Sustainability

**Objectives:**

- To equip students to face the present day world by imparting perfect academic, cultural and moral principles.
- Practicing total quality management to ensure student-centered teaching-learning processes.
- To provide Quality Education combined with value addition and character building so that our students are able to succeed in their life and become good citizens of India.
- Practice total quality management to achieve desired results.
- Ensure academic excellence by achieving 100% pass in the university examinations.

- Developing close links between Industry-Institute by interaction programs. High priority is given to activities designed to bring about improvement in the performance of industries.
- Achieve total placement of students by improving their personality, technical skills and domain knowledge.
- Identify the present day requirements for professionals (engineers/technologists/managers) and meeting the future human resource needs.
- To foster value based education to the students through mentoring, counseling, guiding and developing them to recognized as good personalities.
- To nurture students through various modes of learning.
- To enhance the student's employability skills and social opportunities by improving their understanding and command over the English language and soft skills training.
- To create an exposure in developing the competencies of the students in order to prepare them to face the challenges of the changing world.
- To focus on full fledged research center and to encourage industry academia interactions.

### **6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

- Management Committee regularly holds meetings with Staff Council and IQAC and receives representations and recommendations pertaining to the infrastructural facilities, Staff requirements, Laboratories requirements, Library requirements and other developmental activities. Later, the Committee members in Governing Body Meetings make resolutions and approve the facilities to be provided to the College.
- The Principal, the Head of the institution co-ordinates the organizational functioning through the Staff Council comprising Heads of various departments who translate the plans into concrete action in close co-ordination with the faculty. Action plans are prepared by taking into consideration the inputs from the Parents, Alumni, Academic Peers, Employers and students, on a regular basis.

- The Principal also directs the working of his office for an appropriate supportive role of the non-teaching staff in both academic and administrative work. Optimal utilization of all available resources is carried out through sound management and good human resource management principles.
- The Principal monitors the day-to-day administration of the college, plans and executes all academic policies / programmes in consultation with important committees. A meeting is held periodically to co-ordinate and to improve the functioning of the organizational structure. Along with this a net work of standing committees are constituted for carrying out as well as coordinating the work and all these bodies are chaired by the Principal.
- The Principal also chairs some of the statutory bodies like Admission Committee, Research Committee, , Building Committee, Internal Quality Assurance cell, Library Advisory Committee, Forum for Women Empowerment, , Curriculum Development Committee and Student Advisory Council and reviews the overall functioning of each committee and initiates appropriate measures to enhance the quality of academic and administrative fronts.
- The Principal supervises regularly the performance of the Non – Teaching Staff.
- The Principal in the capacity of the ex-officio member of the Governing Body, the supreme policy making and policy implementing mechanism of the college brings to the notice of the Management the functioning of the administration and acts as a catalyst between Management, Staff and students.
- Grievances of the Staff and the students are redressed appropriately to maintain an environment conducive to learning.

### ***6.1.3 What is the involvement of the leadership in ensuring the policy statements and action plans for fulfillment of the stated mission.***

To fulfill the Mission of the Institute, the following policies, Action plans and strategies are adopted.

- Management appoints the required Teaching and Non-teaching positions in the college against the unfilled vacancies by the Government to keep up the standards of

quality in teaching and learning. Salaries are also borne by the Management from internal resources.

- For the overall development of the students, Career Guidance and Placement Cell, Women Empowerment Cell, NSS & NCC Units etc., are established and functioning on sound lines.
- The Management maintains transparency in communicating the intent of the organization to all its employees through clarity in authority and delegation to achieve positive results in improving performance of the institution.
- Faculty members actively participate in scientific and professional associations through continuous monitoring.
- The opinion of the employees is also considered in operational decisions.
- Teachers are provided code of conduct with regard to work schedule.
- Proper direction and guidance is provided to the staff and students by creating a new paradigm of participatory and co-operative education to achieve academic excellence
- Institution Manuals are provided to the staff and students for clarity on educational content along with rules and regulations in the governance of the college.
- Academic excellence is nurtured by a student-centric teaching and learning process through the recruitment of qualified and committed teachers. This brings out many rank holders in the University Examinations.

### **6.1.4** *What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?*

- The Principal, in the capacity of the Head of the institution in co-ordination with the statutory bodies like Internal Quality Assurance Cell, Admissions Committee, Research Committee, Library Advisory Committee, Hostel Advisory Committee, Forum for Women Empowerment, Curriculum Development Committee and Student Advisory Council monitors the organizational functioning of the Institute.
- If any deficiencies are observed, appropriate initiations are taken by the Principal.



### **6.1.5** *Give details of the academic leadership provided to the faculty by the top management?*

- The Management and Principal ensure harmonious climate of human relations between students, faculty members, and departmental heads leadership to enhance higher efficiency. The top management ensures great emphasis on Motivation for research and professional advancement with a degree of liberty and also other acts of academics.
- The Head of the institution is the academic leader of the college. Under his leadership, various academic and administrative committees are constituted for planning and effective execution of the academic activities in the college. Keeping the talents and achievements of the faculty and seniority in mind, conveners and members are allotted to various committees.

### **6.1.6** *How does the college groom leadership at various levels?*

The Management has constant touch with the Principal and maintains an amicable rapport. To discuss the college development, administration, appointments and infrastructural needs and student disciplines. The principal decides the schemes of progress for the well being of the organization. The principal enjoys the power of academic leadership, liaison between the staff and the management. College conducts different activities in the names of College Day, Sports Day, Magazine Day, NSS, and ECO Club etc to promote leadership qualities in students at various levels.

### **6.1.7** *How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?*

The Head of the institution and the college delegate authority and provides operational autonomy to various departments through Staff Council and Internal Quality Assurance Cell. Principal and the in-charges of the department monitor the academic, administrative and student related matters in the college. Various committees co-ordinate the college routine activities and work for the smooth functioning and development of the College.

- **At Student Level:**

By providing opportunities for the students to take active participation in various programs such as seminars, conferences and all Curricular and Co-curricular activities. For example by way of participating in a debate or paper presentation the confidence level certainly reaches a higher level. His/her activities in organizing or conducting an academic and non-academic program will necessarily groom his/her leadership quality. This includes cultural and sports program.

- **At Faculty level:**

Faculty Development program is being organized in our College at regular intervals. Such programs provide enough theoretical knowledge and required practical knowledge to enhance their leadership skills and the overall personality. Faculties are encouraged to organize social services campus at village levels.

- **As Head of the Department:**

By planning teaching learning process by organizing all the departmental activities by directing the members in accomplishing the assigned tasks and by controlling and creating the congenial academic atmosphere, the HOD to demonstrate all the necessary skills and capabilities. The administration is decentralized like pyramid structure with assessment and authority for smooth cohesive functioning.

- **As Principal:**

The Head of the Institution ensures an academic integrity by keeping an eye on the Regular progress of classes, listening to the grievances of the students and faculty and trying to solve such problems. The leadership is also reflected in the regular meetings with the staff council to uphold strategies and direction and in the overall student administration. The administration is decentralized through the control of the departments by the respective heads by being a role model he stands tall as to be emulated.

### ***6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.***

The management actively takes part in the working of the institution. The management plays the leading role in governance and management of the institution. The management observes the day to day working of the college administration, governance, management and academic activities. The Management conducts meetings periodically and ensures the respective policies taken for the best success of individual career program. Management looks after the faculty requirement, infrastructure, financial expenditure and it provides the funds for different developmental activities taking place in the campus.

## **6.2 Strategy Development and Deployment**

### ***6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?***

Yes, College has formally stated quality policy. A number of steps have been taken to translate quality to its various units by the college. The perspective plans and policies are prepared by the IQAC based on the activities proposed by various departments for the calendar year. The governing council grants permission for the perspective plan to be presented to the stakeholders. Then it is placed before the Teachers, Student Representatives and administrators for an open discussion. A consensus is arrived at, finalized and submitted to the governing council for scrutiny and implementation.

- The Management holds formal and informal dialogues with the staff, from time to time, to redress any grievances.
- In the academic units, teachers are encouraged to participate in seminars, conferences, workshops and refresher and orientation courses to update their knowledge and skill base.
- The administrative functionaries though depleting in numbers is regularly subjected to internal transfers so that staff is exposed to the working of different departments.

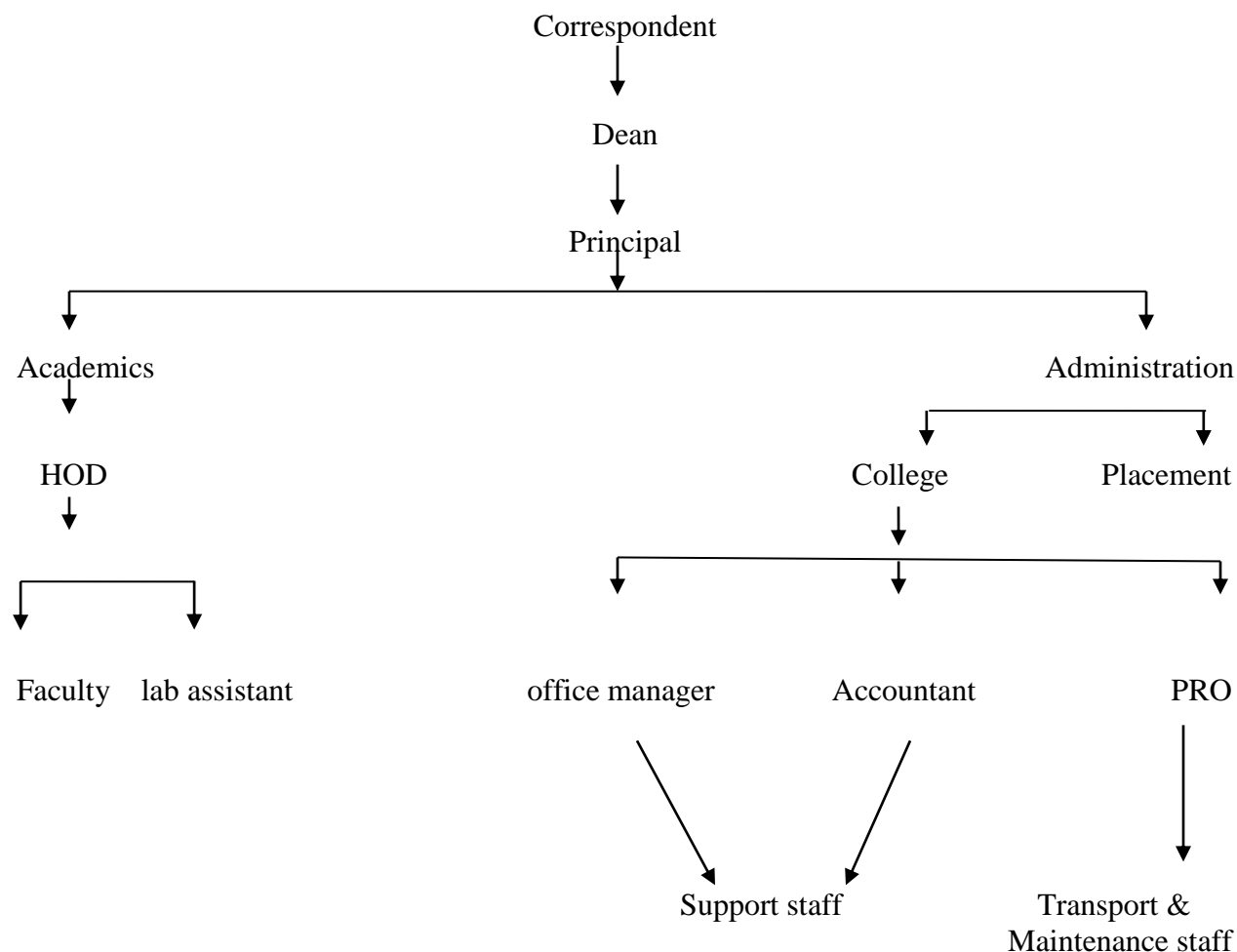
- The faculty has been provided with separate rooms adequately furnished and equipped with the latest communication technology and gadgets.
- To maintain the quality in teaching and learning, students are offered extra curriculum in the form of Workshops, Guest Lectures, Seminars and other Skill Oriented programmes. Field trips are also arranged to gain real word practical experience. Career Guidance and Placement services are also offered to the students.
- In addition to IQAC various Academic and Administrative Committees are constituted to review and enhance the quality of the programmes and services offered to the students.

### ***6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.***

- Though the College has witnessed considerable developments with sufficient expansion over the years, still the Management is interested in further expansion of the Institute up to the level of Deemed University to fulfill the following Plans.
- To establish full-fledged Post Graduation Center and Research Center to make it a remarkable alma-mater.
- More employment facilities will be provided to the students by inviting more companies for campus selection.
- Involvement of parents, students and other stakeholders in all areas of development will be encouraged more.
- To construct a new Hostel Building for Boys with all the required modern amenities.
- To improve the existing infrastructure facilities on the campus to suit the future aspirations.

## 6.2.3 Describe the internal organizational structure and decision making processes.

### Organizational chart:



Communication takes place both upward and downward and decisions are taken democratically involving all the stakeholders.

### **6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

#### **Teaching & Learning**

The institution has framed for itself various strategies which enhance the quality improvement. These strategies are framed by the college keeping in view the quality changes required for the development of the college. This criterion was judged against the same aspect laid down by NAAC. The procedure adopted for admissions to various courses provided by the college is based on student's academic records. The rules and regulations set by the affiliating University and the State Government are strictly followed for students' admission. Apart from the lecture method of teaching, group discussion, field studies, debates, tutorials, seminars, study tours etc are adopted for proper understanding of the subjects. The college has well experienced faculty members. The faculty members of various departments participate actively in academic programs. The library staff is well qualified and their services and experience is used in updating library for the optimum use by the students. The evaluation methods are communicated to the students by the teachers in the class rooms and also displayed on the notice board of the college. The teachers are given full permission to enrich their knowledge through Seminars, Refresher Courses, Orientation Courses etc. The college encourages the teachers to participate in self-enriching courses whenever different institutions organize them.

#### **Research & Development**

The assessment of this criterion of institutional functioning is done by using the key aspects prescribed by NAAC i.e. the ability of the institution to promote and sustain

research culture, freedom to publish results of research, extent of use of consultancy, healthy participation in extension programs. However, the faculty is very much aware of the growing importance of the research based education. The college encourages the teachers for research work.

As far as development is concerned, The NSS officer co-ordinates various extension activities of the college. Through NSS, the students are encouraged to undertake community-oriented activities like Social work, health-hygiene awareness, medical camp, adult education and literacy, blood donation, AIDS awareness, environmental awareness. Students and teachers are provided with money and time from the college for extension activities. N.S.S. The college also organizes sports activities and encourages the students to participate in them.

### **Community Engagement**

College engages many organizations like Red Cross, Medical Council, N.G.Os for holding blood donation camp, NSS camps, free medical checkup, youth festivals, Tree plantation festival etc.

### **Human Resource Management**

There are many staff welfare schemes. Staff training is taken place periodically. The institution recruits faculty members and staff based on the guidelines provided by the university Incentives are also given to the staff members. Effective system of appraisal of performance of teachers is there. Communication system is very good.

### **Industry Interaction**

The institute interacts with various local as well as outside institutes. We consult with other institute on various issues for the improvement of education system. Youth festivals are being held by college to interact with other colleges. College has also participated in various culture programs held at various places. Seminars, workshops, conferences on various subjects are conducted in the college premises. The college organizes field tours to various industries.

### ***6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts, etc.) is available for the top management and the stakeholders, to review the activities of the institution?***

The head of the institute ensures that adequate information related to the teaching staff as well as non-teaching staff is collected in the form of feedback and through confidential report and self-appraisal reports. The Head of the institution also obtains feedback through periodic meetings with the head of the departments and their staff. The feedback is forwarded to the management by the head of the institution through formal and informal meetings with it. The Managing Committee regularly visits the college and interacts with the staff individually and through the staff meetings. Feedback through formal and informal meetings with the stakeholders is received by the Principal and necessary feedback is conveyed to the Management. The said information is made available for the management to review the activities performed/carried out and also the contributions made to the students in particular and the society in general by the faculty

Head of the Institution collects self-appraisal from all the Staff members and feedback from all the students regularly. The student's assessment of the quality of teaching reveals the quality of education imparted in the institution. These two mechanisms supply the required information to the Management through the Head of the Institution for reviewing the activities of the institution.

### ***6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?***

The Management of the College liberally gives financial assistance and extends support to the institution for various academic endowers. Arranges Staff Development Programmes within the Institute and permits them to participate in Orientation Programmes, Refresher Courses, National and International Seminars and Workshops. The institution plays a very vital role in bringing up the faculty forward to initiate and gain competitive edge through their personal involvement in many activities



*6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.*

The Resolutions and minutes are available with Correspondent of the College.

*6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?*

Yes, the affiliating university has provisions of according the status of autonomy to an affiliating institution. We shall be applying for the same in due course of time.

*6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?*

- For better stake holder relationship, institution has setup a grievance committee headed by the principal and all the Heads of Departments as members. Grievances Redressal Cell takes care of the grievances of students and staff members. Complaints received from the stake holders are scrutinized initially and depending on the intensity of the problem, sometimes it may be referred to the Head of the Institution for final decision to resolve the matters.
- Complaints from the students regarding the mistakes in the University Examinations, immediate assistance is provided to take care of the issue.
- The committee decides and disposes the grievance as and when it receives with minimum delay.

*6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?*

No, there is no such court case filed by or against the institution.

### ***6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?***

The institute has an effective mechanism for collecting and analyzing the feedback from the students to improve the performance and quality of the institutional provisions. The feedback is collected from the students on the curriculum of the courses offered, Teaching and Learning methods, extra curriculum, infrastructural facilities and other activities in the prescribed format. Advisory committee consisting of the Head of the departments and class coordinators/ senior teachers collect the exit level feedback from the graduates regarding the teaching and learning process. Feedback collected from the stake holders is analyzed by Staff Council and appropriate actions are initiated.

Feedback is also taken during the alumni meet regularly organized by the institutions.

## **6.3 Faculty Empowerment Strategies**

### ***6.3.1. What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?***

The institution supports the teaching and non teaching staff to enhance professional development by:

- Permitting study leave to faculty for carrying out research projects.
- Granting OOD leave for paper presentation and participation in Seminars/ Workshops/ Conferences.
- Giving financial support for participation in Seminars/ Workshops/ Conferences.
- Faculty members are encouraged to associate with State, National and International professional bodies.
- Providing latest study materials including e-Journals to the faculty members through the central library.
- The Institution encourages staff for their academic enrichment by making them to participate in Orientation Programmes, Refresher Courses, Seminars, Workshops and Conferences.

- The college provides Computer with Internet facility
- Special training sessions for the use of multimedia aids in teaching learning were conducted for the staff.

The management has a potential map of the faculty and is able to rightly identify their individual strengths, areas of interest and accordingly assign responsibilities.

It protects the freedom of individuals, appreciating their innovations and thereby motivation is achieved. Responsibilities of every staff are communicated to them through notices that clearly define their role in the implementation of any given assignments. The institution promotes professional development of the faculty to the greatest possible extent. Lot of effort is put in to enhance the professional development of teaching and non teaching staff. The management encourages all the staff members to go for higher education (M.Phil, Ph.D, M.B.A., etc.,) relevant to their profession.

The staff members are permitted to higher studies without any break up service with partial or fully funded for their tuition fees on demand. The staff members are also encouraged to go for short term research / post doctoral fellowship etc., The institution encourages faculty members to enroll and also provide resources for training programs and workshops.

### ***6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?***

- All the Teaching Staff members are deputed to the Orientation, Refresher and Skill development programs organized by Academic Staff Colleges and Professional Bodies across the country to acquire subject as well as managerial skills.
- The institute also organizing seminars, workshops, conferences and refresher courses in various disciplines for its staff as well as for the faculty of other institutions from time to time.

**6.3.3 *Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.***

The achievements of faculty members are monitored and updated in the college records. Performance appraisal system is implemented as per the guidelines from UGC. The appraisal report of faculty is made by the concerned head of the department on the basis of his/her yearly achievements, discipline, quality etc. and is then submitted to the head of the institute. This besides the assessment of the teachers comes through the feedback forms, which in turn indicate the teachers' quality, by the students also. The Principal understands the students' reflections and shares it collectively and individually across the staff. Wherever required, counseling is provided to staff in order to help them improve their professional capabilities. The participation of the teachers in various college affairs is closely monitored by the principal. The head of institution also uses evaluation in an informal way to improve the services of the office staff.

**6.3.4 *What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?***

The management always plays an active role in the performance appraisal of the staff. Annual increments and placement in the grades are all implemented with approval of managing committee. The management has in the recent past given due recognition to the teachers who have completed their Ph.D. Similarly the college management after the appraisal of the faculty takes no time in implementing the benefits due to the staff. The management takes effective decisions and provides the appraisal details to the appropriate stakeholders by incorporating the decisions in the proceedings of the meetings of the trust and managing committee. Staff members are honoured in the College Day for their achievements.

### ***6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?***

At the institutional level, the College Council motivates faculty members through prompt appreciation of exceptional merit and talent and by providing opportunities for self expression. There is a provision of maternity leave given to the staff. Duty leave is given, if applicable. Other welfare schemes such as free medical facility in the campus, free transport, subsidized canteen facility etc., are also provided.

- Contributory PPF
- Free bus facility for teaching & non-teaching staff
- Loan facility
- Residential accommodation is provided for faculty members
- Free medical facility for staff and their family
- Organizing book-fairs, education-fairs etc.
- Academic tutor mentorship.
- Group Insurance

### ***6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?***

The institute is very keen in attracting and retaining eminent faculty and exercises special focus on their academic achievements and ability. Management committee provides all facilities to its staff. It retains the staff through periodical promotions and annual increments. To involve the teachers in active research necessary infrastructure is made available by the college. Teachers are motivated to apply for financial assistance to conduct seminars and workshops. Teachers are encouraged to apply for financial assistance for minor and major research projects. Academic freedom is given to all the departments. The management is flexible in allowing the faculty members to attend orientation/refresher courses to fulfill their promotional criteria. The management provides financial assistance to attend the national/ international conferences for the enrichment of their academic knowledge.

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 *What is the institutional mechanism to monitor effective and efficient use of available financial resources?***

The financial resources of the institute are managed in a very effective and foolproof manner. Financial resources are available to the Institution in the form of Special Fee, a part of tuition Fee and fee from Self Financing Courses. The entire process of receipts and utilization of the financial resources is monitored by the Finance department. Salaries of the teachers, amount spent for purchasing Computers, Equipment for Science Laboratories, Stationary, Library Books, Glassware and Chemicals, Maintenance charges, Establishment charges etc., are also met from these funds. The effective and efficient use of available financial resources is monitored through internal audit and external audit. The finance department maintains double entry system of accounting and the final accounts comprising of receipts & payments account, income & expenditure account and balance sheet are prepared.

### **6.4.2 *What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.***

The institution is a private unaided institute, the accounts of the institute are audited by the External and Internal qualified Chartered Accountant each year. Periodic internal audits are conducted to ensure there are no lapses in the system. The last audit was done in March for the year ending 2014 and there is no audit pending. In case of any objection the same is complied in total before the finalization of accounts. The audited report by the external CA is placed before the Management for vetting and rectification, if any. The qualified remarks if any, given by the auditor are taken into consideration for future course of actions.

**6.4.3** *What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.*

The major receipts are fees collected from students and grants given by the authorities apart from bank loans towards creation of infrastructure. The audited Accounts of the Trust which established the institution are enclosed herewith for the required years.

## **6.5 Internal Quality Assurance System (IQAS)**

### **6.5.1 Internal Quality Assurance Cell (IQAC)**

- a) Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?*
- b) How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?*
- c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.*
- d) How do students and alumni contribute to the effective functioning of the IQAC?*
- e) How does the IQAC communicate and engage staff from different constituents of the institution?*

Yes, the institution always strives to maintain quality, be it academics, administration or infrastructure by way of its self developed quality mechanism. The academic quality of the institution is evaluated on the basis of the performance of the students in their examinations. Students' academic capabilities are assessed periodically through internal tests and assessments. Slow learners are identified and given extra coaching through remedial classes. The administrative system also looks after the quality

## Sengunthar Arts and Science College, Tiruchengode

---

education in the institution. The academic and administrative systems in the institution have been quite effective to the enhancement of quality education. The academic quality of the institution is maintained by the teaching and learning processes. The administrative quality is maintained by the effective functions carried out by the various committees. Periodic staff meetings are conducted by the principal to ensure proper delivery of the material and timely completion of course as per syllabus in time.

The insistence on student's participation in academic and administrative matters has improved the quality of the education and administration in the institution. The students come forward to maintain the best practices evolved through academic and administrative systems. The administration in the institution is maintained by the involvement of the staff at every level. The examinations are held quite smoothly by the active participation of the staff. The teachers have always been supportive to the academic needs of the students by offering them guidance and support.

The students play a major role in assuring quality of education imparted by the institution. It is through their active participation in classrooms that the quality of the education is maintained. Their participation is also assured by involving them in Cultural and other activities. The students also approach to the head of the institution directly for the redressal of their problems.

### **IQAC Committee Members**

<b>S.No.</b>	<b>Name of the In-Charge</b>	<b>Functions</b>
01	Dr.D.Ravikumar	Convener
02	Mr.P.Nallasivam	Curricular Aspects
03	Dr.S.Ravikumar	Teaching Learning and Evaluation
04	Dr.P.Venkatachalam	Research, Consultancy and Extension
05	Dr.S.Ravikumar	Infrastructure and Learning Resources
06	Dr.R.Palanivel	Student Support and progression
07	Mrs.R.Bharathi	Governance, Leadership and Management
08	Dr.S.Senthil Kumar	Innovations and Best Practices



**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization**

- IQAC is serving as a bridge between the top Management and Staff and co-ordinates all the academic and administrative committees constituted in the institute.
- The Principal is ably assisted in the day to day administration by the teaching and the non-teaching staff in all academic and administrative matters respectively.
- The college utilizes the services of the duly accredited Chartered Accountants for conducting the audit of the financial operations of the institution.
- In these meetings the College matters relating to finance, academics and development are discussed, future projections are formulated and progress is reviewed and evaluated.
- Potential past employers feedback is one of the main yardstick. The academic and administrative activities are monitored regularly through internal and Quality audits.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

Yes. The college has a well structured Quality Assurance system and the entire staff is made aware of the Institution's quality policy and procedures. The academic as well as the administrative working is smoothened time to time by the training sessions regularly organized by the institute for its teaching as well as the non teaching staff.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?**

The university has its set mechanism to audit the academic working of the institution. The university every year sends a team of the experts to conduct academic audit. The team visits the institute and observes the working of the institution in all its aspects. The committee then comments on the performance and thereby suggests any important changes required. The college adheres to the recommendations made by the committees.

### ***6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?***

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in terms of quality of teaching/ learning process. They are in accordance to the NAAC guidelines.

### ***6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?***

Teaching-learning process is performed by all the Heads of Departments and supervised by the Dean of Academic Affairs. The individual course schedules, plans and related information/ materials are all placed on institution's website with instant access to all concerned. Internal assessments are carried out at periodic intervals and the students are assessed on evaluation and the results are communicated and necessary corrective suggestions made and the marks are entered in course work register, which acts as a ready reckoner for the academic progress of the students. Based on the participation in the class and the marks scored in the tutorials and assignments, the student level is assessed by the staff member.

### ***6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.***

The institution has evolved a stakeholders' web by forming different platforms like College Advisory Board, alumni, Parent Teacher Meet and various committees with a fair representation of students. The IQAC in the planning process considers feedbacks collected from all the stakeholders to prepare perspectives on development. These developmental perspectives are discussed in the respective meetings of Advisory Board, PTM and alumni. The reflections of the meetings are incorporated in the plan. The management has developed evaluation tools for stakeholders to record their opinions, suggestions and objections for constructive developments for future.

## CRITERIA VII: INNOVATIONS AND BEST PRACTICES

### 7.1 Environment Consciousness

#### 7.1.1 *Does the Institute conduct a Green Audit of its campus and facilities?*

- The campus is situated in serene green surroundings. Although there is no formal green audit conducted the management encourages its staff and students to maintain eco-friendly atmosphere. Students are sensitized on issues like Global warming, air & water pollution, ecology & environment are sensitized.
- College is creating awareness among students in energy conservation programs like Bi-cycle day, Use of efficient lighting and plastic free campus, turn off electric devices, plantation of new trees, reuse and recycle day etc through N.S.S.

#### 7.1.2. *What are the initiatives taken by the college to make the campus eco-friendly?*

- The college campus is totally eco-friendly. The management, staff and the students are committed to maintain an eco-friendly atmosphere. The class rooms in our campus are big, well lighted and well ventilated which help to reduce the usage of electricity for bulbs and fans during the daytime.
- The college at its own level has taken up certain preventive measures to check the emission of carbon dioxide. The college has made arrangements for the parking of the vehicles of the students in the college ground. This helps in keeping the campus as much as possible clean. The dead leaves and the waste papers are not allowed to be put on fire. The leaves are buried in the soil itself and the papers are sent for recycling.
- A sizable amount of expenditure is incurred to keep the environment green. Many new trees are planted.
- Use of plastic covers is avoided to make the campus a plastic free zone. Awareness programs are also conducted on Environmental protection and Disaster Management regularly.

- This institution has rain water harvesting facility. Hence each building in the college has water harvesting provisions and all the blocks get benefited especially during summer. All the blocks including the hostels have water harvesting provisions. Rain water harvesting also helps in replenishing the depletion of ground water level.

## 7.2 Innovations

### 7.2.1 *Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.*

Here we record what we consider to be our innovative practice during the last four years which have created a positive impact and the functioning of the college.

### LEARNING MANAGEMENT SYSTEM

Introduction of LMS a revolutionary concept in the Teaching Pedagogy. In this a faculty creates an interactive learning atmosphere through ICT enabled technology.

- Communication skill classes are introduced for all the first year UG and PG students apart from the regular syllabus.
- Communication skill development classes for the third year students for placement purpose by placement officer.
- Every Month Monthly Tests are conducted and at the end of the semester model exams are conducted and report send to the parents by post.
- Absentees post card system :  
If student is absent to the college for more than three days, their parents are intimated through post by class –in-charge.
- Classes are conducted for IBPS Examinations.

### 7.3 Best Practices

**7.3.1** *Elaborate on any two best practices in the given format at page ... 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.*

#### **LEARNING MANAGEMENT SYSTEM**

- We have introduced innovative LMS and have developed by our faculties. The LMS Provides a new world of possibilities to take the learning to a new level.
- Faculties create their courses/lessons in the LMS software and use the interactive smart board to animate and use ICT tools .
- Teachers create their assignments and tests and students can take the tests as many times to practice it till he or she becomes perfect.
- Inbuilt SMS Alert system connects students and teachers on real time basis.

#### **PROCESS APPROACH CONCEPT**

- The college has effectively implemented Process Approach as advocated by Dr.Deming for achieving improvements in the academic quality.
- The Process Approach concept has four phases namely PLAN, DO, CHECK and ACT.
- The Plan phase include Academic Calendar preparation as per Periyar University guidelines, Allocation of work to competent faculties, Time Table preparation and Lesson Plans
- The DO phase includes following the PLAN and monitoring and measurement of the each activity and recording the results.
- CHECK Phase includes Monitoring of Feedback from students at predetermined time intervals using statistical methods, Monitoring the Internal Assessment effectiveness, University examination results monitoring and analysis etc
- ACT phase includes taking Corrective and Preventive Measures based the CHECK Phase recommendations

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. Name of the department : Tamil
2. Year of Establishment : 1993
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Nil

4. Names of Interdisciplinary courses and the departments/units involved

Nil

5. Annual/ semester/choice based credit system (programme wise):

S. No.	Course	Annual / Semester / Choice Based Credit System
01	PART – 1 FOUNDATION TAMIL	Semester & CBCS

6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject	Subject Name
01	B.Com	PART-1	FOUNDATION TAMIL
02	B.B.A	PART-1	FOUNDATION TAMIL
03	B.Com(C.A)	PART-1	FOUNDATION TAMIL
04	B.Sc. (Comp. Science)	PART-1	FOUNDATION TAMIL
05	B.C.A	PART-1	FOUNDATION TAMIL
06	B.Sc. (Mathematics)	PART-1	FOUNDATION TAMIL
07	B.Sc. (Ele & Commu.)	PART-1	FOUNDATION TAMIL
08	B.Sc. (Chemistry)	PART-1	FOUNDATION TAMIL
09	B.Sc. (Bio- Chemistry)	PART-1	FOUNDATION TAMIL
10	B.Sc. Micro-biology	PART-1	FOUNDATION TAMIL
11	B.Sc. (Bio-Technology)	PART-1	FOUNDATION TAMIL
12	B.Sc. Physics	PART -1	FOUNDATION TAMIL
13	B.A. English	PART -1	FOUNDATION TAMIL

## Sengunthar Arts and Science College, Tiruchengode

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	02	02
Assistant Professor	05	05

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. K. Srinivasan	M.A., M.A., M.Phil., Ph.D. SLET	Head cum & Asso. Prof.	Tamil Language & Literature	7	—
..Palanivel	M.A., M.Phil., Ph.D.	Asso. Prof.	Tamil Language & Literature	5	—
J. Kanneswari	M.A., M.Phil., B.Ed.,	Asst. Prof.	Tamil Language & Literature	7	—
..Shanmugapriya	M.A., M.Phil., SET	Asst. Prof.	Tamil Language & Literature	4	—
R.Periasamy	M.A., M.Phil.	Asst. Prof.	Tamil Language & Literature	5	—
Sathish	M.A., M.Phil., B.Ed.,	Asst. Prof.	Tamil Language & Literature	7	—
K.Umadevi	M.A.,M.Phil., B.Ed., SET	Asst. Prof.	Tamil Language & Literature	2	—

**11. List of senior visiting faculty:**

Nil

**12. Percentage of lectures delivered and practical classes handled (programme wise)  
By temporary faculty:**

No temporary faculty in the department

**13. Student -Teacher Ratio (programme wise):**

20:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Nil

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D. faculty	02
M.Phil. faculty	05

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Nil

**18. Research Centre /facility recognized by the University:**

.

Nil



**19. Publications:**

**a) Publication per faculty :**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

S. No.	Name of the Faculty	Publications	
		National	International
01	Dr. K. Srinivasan	06	01
02	. Kanneswari	--	01
03	.Shanmugapriya	12	--
04	R.Periasamy	02	01
05	Mr.A.Sathish	01	--
06	.Umadevi	01	--

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

**20. Areas of consultancy and income generated:**

Nil

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards....**

Nil

**22. Student projects**

Creative writings and drawings of students are being compiled by one department on rotational basis and released in every month as hand written book in the name “Udhaya Bharatham”

## Sengunthar Arts and Science College, Tiruchengode

---

### 23. Awards / Recognitions received by faculty and students

**2009 -2010**

DATE	PLACE	COMPETITION	NAME	PRIZES
08.08.09	Namakkal	Bharathidhasan Poem recitation	S.Bharathi II BBA	Consolation Prize Rs.1000
30.09.09	Salem	Hindi Speech competition	Ambigeshkumar III B.Sc.(Biotech)	1 <sup>st</sup> Prize
14.11.09	Namakkal (Co-operative Management Centre)	Speech competition	S.Bharathi II BBA	2 <sup>nd</sup> Prize
13.02.10	Salem(Manufacturing Organization)	Speech competition	S.Bharathi II BBA	2 <sup>nd</sup> Prize

**2010 -2011**

DATE	PLACE	COMPETITION	NAME	PRIZES
20.07.10	Salem	Mimicry	M.Mohanraj, II BBA	3 <sup>rd</sup> Prize Rs.500
07.08.10	Namakkal	Paavendhar Poem recitation	S.Bhavani, III BBA	1 <sup>st</sup> Prize Rs.5000
27.08.10	Namakkal	Speech competition conducted by "Tamil Developing movement"	P.Manikandan, II MBA	1 <sup>st</sup> Prize Rs.1000
19.09.10	Namakkal	District level speech competition conducted by forest department	P.Manikandan, II MBA	1 <sup>st</sup> Prize
25.09.10	Chennai	State level speech competition conducted by forest department	P.Manikandan, II MBA	3 <sup>rd</sup> Prize
25.09.10	Chennai	Veterinary College	P.Manikandan, II MBA	Consolation Prize
09.10.10	Namakkal	Periyar Suyamariyathai Speech competition	P.Manikandan, II MBA	1 <sup>st</sup> Prize
09.10.10	Namakkal	Periyar Suyamariyathai Speech competition	S.Bhavani, III BBA	2 <sup>nd</sup> Prize
06.01.11	Erode	Youth Festival-Skit	I MBA Students	1 <sup>st</sup> Prize

## Sengunthar Arts and Science College, Tiruchengode

### 2011 -2012

DATE	PLACE	COMPETITION	NAME	PRIZES
16.7.11	Namakkal	Paavendhar Poem recitation	Karthika III MCA	1 <sup>st</sup> Prize, Rs.3000
16.7.11	Namakkal	Paavendhar Poem recitation	S.Sathya II M.Sc (Microbiology)	Consolation Prize Rs.1500
16.7.11	Namakkal	Paavendhar Poem recitation	Ramya II B.A.(Eng.)	Consolation Prize Rs.1500
05.08.11	Rasipuram	Muthamizh Mandram	Karthika III MCA	Second Prize
28.08.11	Salem	Poetry Competition	K.Gopal I B.Sc. (Chemistry)	Second Prize
30.09.11	Namakkal	Elocution	Ramesh Kumar III MCA	First Prize

### 2012 -2013

DATE	PLACE	COMPETITION	NAME	PRIZES
18.08.13	Salem (Muthamil Mandram)	Essay Writing	A.Mohankumar II M.Sc.(Biotech)	1 <sup>st</sup> Prize, Rs.500
18.08.13	Salem (Muthamil Mandram)	Drawing	A.Mohanraj II MBA	3 <sup>rd</sup> Prize
24.08.13	Namakkal	Bharathidhasan Poem recitation	S.Sathya II M.Sc. (Microbiology)	2 <sup>nd</sup> Prize, Rs.3000
24.08.13	Namakkal	Bharathidhasan Poem recitation	A.Mohankumar II M.Sc.(Biotech)	3 <sup>rd</sup> Prize, Rs.2000
24.08.13	Namakkal	Bharathidhasan Poem recitation	M.Mohanraj I B.Sc.(maths) P.Sasikumar II B.Sc. (Biotechnology) M.Madhushalini II B.A.(English)	Consolation Prize, Rs.1500 each
27.08.13	Coimbatore	Speech Competition (Tamil Language Conference)	A.Mohankumar II M.Sc.(Biotech)	Consolation Prize
08.09.13	Salem (Silambu Organization)	Speech Competition	A.Mohankumar II M.Sc.(Biotech)	1 <sup>st</sup> Prize

## Sengunthar Arts and Science College, Tiruchengode

**2013-2014**

DATE	PLACE	COMPETITION	NAME	PRIZES
22.02.14	Coimbatore	Software Programme Competition	B.Meiyazhagan III B.Sc. (Electronics) K.Jegan II B.Sc. (Electronics)	1 <sup>st</sup> Prize, Rs.500
04.03.14	Jamal Muhamod College, Trichy	State Level Poem Writing	K.Gopal III B.Sc.(Chemistry)	1 <sup>st</sup> Prize Rs.2500
04.03.14	Jamal Muhamod College, Trichy	State Level Poem Writing	M.Madhushalini II B.A.(English)	Consolation Prize

### 24. List of eminent academicians and scientists / visitors to the department

S. No.	Details of Eminent academicians visited the Department
01	Dr. Ka.Pa. Aravanan Former, Vice chancellor
02	Dr. Thamilachi Thangapandiyan , Poet
03	Thiru,Tamilaruvi Maniyan, Orator and Writer
04	Thiru,Nellai Jayantha, Poet
05	Thiru,S. Ramakrishnan, Orator and Writer
06	Dr. Mathaiyan, Head, Dept. of Tamil, Periyar University

### 25. Seminars/ Conferences/Workshops organized & the source of funding

#### Conference

S. No.	Date	Title	Source of Funding
01	17.12.2011 & 18.12.2011	7 <sup>th</sup> , 'Arr' International Conference	Sengunthar Education Trust & Philanthropists

#### Workshops

S. No.	Date	Title	Source of Funding
01	11.02.2012	Creation and Development of Tamil Blogs	SENGUNTHAR EDUCATION TRUST

**26. Student profile programme/course wise:**

Nil

**27. Diversity of Students**

Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:**

Nil

**29. Student progression**

Nil

**30. Details of Infrastructural facilities**

**a) Library:**

An exclusive section is assigned for tamil books in the name of  
“TAMILSOLAI” in general Library.

Library	No. of Titles	No. of. Volumes	No. of Journals & Magazines
General Library	3172	3859	05
Department Library	---	---	---

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

Nil

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Nil

**33. Teaching methods adopted to improve student learning:**

- The Oral method
- Every month monthly tests are conducted
- Periodical Intimation of student progress to parents
- Regular Revision test

- Parents Teacher meeting
- Weak students are identified and remedial coaching provided

### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Acting as co-ordinating the activities of all the department of college
- Maintenance of campus discipline
- Acting as MOC during various function on the campus
- Organizing blood donation camp jointly with NSS
- Conducted Road safety relay
- Conducted polio Awareness program jointly with rotary club in Tiruchengode

### **35. SWOC analysis of the department and Future plans**

#### **Strength:**

- Well talented and experienced faculty members
- Two faculty members are completed doctoral degree.
- Two faculty members submitted doctoral thesis.
- There are 3000 Tamil literatures for doing research in Tamil.

#### **Weakness:**

- Since the students are from rural areas they show reluctant towards literature.

#### **Opportunities:**

- The department is moulding the students as Orator, writer, poets, etc...
- The department prepares the students to become journalists, translators, etc...

#### **Challenges:**

- It is a very big tasks to make the students understand Tamil Grammar.

#### **Future Plans:**

- To conduct coaching class for SET, NET, TNPSC, UPSC
- To conduct National & International level Seminar/Conference.
- To conduct inter college meet.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. Name of the department : ENGLISH
2. Year of Establishment : 2010
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S. No.	Course	Year of Affiliation
01	B.A. ENGLISH	2010 – 2011

4. Names of Interdisciplinary courses and the departments/units involved

S. No.	Interdisciplinary Programmes and Departments
01	BBA- NMEC- (i) Principles of business management (ii) Human resource management
02	Tamil- Foundation Tamil

5. Annual/ semester/choice based credit system (programme wise):

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.A. English	Semester & CBCS

6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject	Subject Name
01	B.Com	PART-II	Foundation English
02	B.Com (CA)	PART-II	Foundation English
03	BBA	PART-II	Foundation English
04	B.Sc. Electronics & Communication	PART-II	Foundation English
05	B.Sc. Computer Science	PART-II	Foundation English
06	BCA	PART-II	Foundation English
07	B.Sc. Microbiology	PART-II	Foundation English
08	B.Sc. Biochemistry	PART-II	Foundation English

## Sengunthar Arts and Science College, Tiruchengode

09	B.Sc. Mathematics	PART-II	Foundation English
10	B.Sc. Biotechnology	PART-II	Foundation English
11	B.Sc. Physics	PART-II	Foundation English
12	B.Sc. Chemistry	PART-II	Foundation English

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	-	-
Associate Professor	-	-
Assistant Professor	10	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Mrs.M. Vijayalakshmi	M.A., M.Phil.	HOD Cum Asst. Professor	African Novel and Afro – American Drama	11	Nil
2	Mr. M.P. Boopathi	M.A., M.Ed.	Asst. Professor	Indian Writing in English	5	Nil
3	Mr. S. Deepan	M.A., M.Phil.	Asst. Professor	Indian Writing in English	5	Nil
4	Mr. A. Selvam	M.A.,	Asst. Professor	Indian Writing in English	4	Nil



## Sengunthar Arts and Science College, Tiruchengode

5	Mr. K. Karuppusamy	M.A., B.Ed.	Asst. Professor	African Literature	4	Nil
6	Mr. S. Chandrasekar	M.A., M.Phil., B.Ed.	Asst. Professor	Indian Writing in English	8	Nil
7	Ms. G. Mekala	M.A., M.Phil.	Asst. Professor	American Literature	3	Nil
8	Mrs. A.Malathi	M.A., B.Ed.	Asst. Professor	Canadian Literature	3	Nil
9	Mr.R.Saranraj	M.A., B.Ed.	Asst. Professor	Indian Writing in English	3	Nil
10	Mr.G.Veeralagu	M.A., B.Ed., PGDCA	Asst. Professor	American Literature	2	Nil

### 11. List of senior visiting faculty:

S.NO	Date	Topic	Visitors Name & Designation
1	02/02/2012	Literature in Day today Life	Prof. S. Alexander M.A., M.Phil. Asst. Professor of English, Thiruvalluvar Govt. Arts College, Andagalur Gate, Rasipuram.
2	06/03/2013	Developing communication skills	Prof. K. Kumarasamy M.A., M.Phil., Ph.D Reader in English (Rtd.), Govt. Arts College, Salem-7.
3	19/02/2014	Life and Literature	Dr.T.S.Geetha M.A., M.Phil., Ph.D Associate Professor of English, J.K.K Nataraja College of Arts & Science, Komarapalayam. Namakkal (Dist.)
4	20/02/2015	Contemporary drama with special reference to Badal sircar	Prof. Abdul Hadi M.A., M.Phil. PGDELT Asst. Professor of English, The New College (Autonomous), Chennai.
5	20/02/2015	Soft Skills for Successors	Prof. Mohamed Nazeeb, M.A., M.Phil., TESOL Asst. Professor of English, The New College (Autonomous), Chennai.

## Sengunthar Arts and Science College, Tiruchengode

---

**12. Percentage of lectures delivered and practical classes handled (programme wise)**  
**By temporary faculty:** There is no temporary faculty in our department

**13. Student -Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.A. ENGLISH	20:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	0	0

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

No. of M.Phil. faculty	04
No. of PG faculty	06

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil

**18. Research Centre /facility recognized by the University:** Nil

**19. Publications:**

**b) Publication per faculty :**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

<b>Name</b>	<b>International</b>	<b>National</b>	<b>State</b>
Mrs.M.Vijayalakshmi	2	5	1
Mr. S. Deepan	2	2	-
Mr.G.Veeralagu	-	1	1

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

- \* Monographs : Nil**
- \* Chapter in Books : Nil**
- \* Books Edited : Nil**
- \* Books with ISBN/ISSN Number : Nil**
- \* Citation Index : Nil**
- \* SNIP : Nil**
- \* SJR : Nil**
- \* Impact Factor : Nil**
- \* H-Index : Nil**

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards.... : Nil**

**22. Student projects: Nil**

**23. Awards / Recognitions received by faculty and students: Nil**

**24. List of eminent academicians and scientists / visitors to the department**

## Sengunthar Arts and Science College, Tiruchengode

S.No	Visitors Name & Designation
1	Prof. S. Alexander M.A., M.Phil. Asst. Professor of English, Thiruvalluvar Govt. Arts College, Andagalur Gate, Rasipuram.
2	Prof. K. Kumarasamy M.A., M.Phil., Ph.D Reader in English (Rtd.), Govt. Arts College, Salem-7.
3	Dr.T.S.Geetha M.A., M.Phil., Ph.D Associate Professor of English, J.K.K Nataraja College of Arts & Science, Komarapalayam. Namakkal (Dist.)
4	Prof. Abdul Hadi M.A., M.Phil. PGDELT Asst. Professor of English, The New College (Autonomous), Chennai.
5	Prof. Mohamed Nazeeb, M.A., M.Phil., TESOL Asst. Professor of English, The New College (Autonomous), Chennai.

**25. Seminars/ Conferences/Workshops organized & the source of funding : Nil**

**26. Student profile programme/course wise:**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A English (2010-2011)	48	37	16	21	81%
B.A English (2011-2012)	51	35	19	16	53 %
B.A English (2012-2013)	28	28	08	20	-
B.A English (2013-2014)	62	62	12	50	-
B.A English (2014-2015)	60	60	19	41	-

\*M = Male \*F = Female

**27. Diversity of Students**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
B.A. ENGLISH	99.34	0.66	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil**

**29. Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>	
	<b>2013</b>	<b>2014</b>
UG to PG	50%	31%
PG to M.Phil.	-	-
PG to Ph.D.	-	-
Ph.D. to Post-Doctoral	-	-
Employed	-	-
Campus selection	27%	
Other than campus recruitment	-	44%
Entrepreneurship/Self-employment	23%	25%

**30. Details of Infrastructural facilities**

**a) Library:**

Common library and separate department library is available

<b>Library</b>	<b>No. of Titles</b>	<b>No. of Volumes</b>	<b>No. of Journals &amp; Magazines</b>
General Library	3172	4643	10
Departmental Library	51	196	-

**b) Internet facilities for Staff & Students:**

Common internet lab in college premises is available.

**c) Class rooms with ICT facility:**

Separate A/C conference hall with audio & visual facility is available.

**d) Laboratories:** Language Lab is Available

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

<b>Course</b>	<b>Year</b>	<b>No. of Students</b>			
		<b>College</b>	<b>University</b>	<b>Govt.</b>	<b>Others</b>
BA ENGLISH	2010-2011	05	-	09	-
	2011-2012	04	-	15	-
	2012-2013	07	-	12	-
	2013-2014	06	-	-	-
	2014-2015	18	-	-	-

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

S.NO	DATE	Special Lectures
1	02/02/2012	Literature in Day today Life
2	06/03/2013	Developing communication skills
3	19/02/2014	Life and Literature
4	20/02/2015	Contemporary drama with special reference to 'Badal sircar'
5	20/02/2015	Soft Skills for Successors

**33. Teaching methods adopted to improve student learning:**

- (a) Language Lab
- (b) Snap Test
- (c) LCD Projector
- (d) OHP, CD
- (e) Remedial Classes for weak students

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- (a) Blood Camp
- (b) Spoken English Camp
- (c) NSS

**35. SWOC analysis of the department and Future plans**

**Strength**

- Well experienced qualified Staff Members.

**Weakness**

- The Students communication skills have to be improved.

**Challenge**

- First generation learns a very little exposure to English.
- Department Sustainability.

**Opportunities**

- To train Students to get Placement.
- Higher studies to train students for competitive exams.

**Future plans:**

## Sengunthar Arts and Science College, Tiruchengode

---

- To offer M.A and M. Phil courses.
- To offer Certificate Course in Media Communication.
- To conduct National & International level Seminar/Conference.
- To conduct inter college meet



## Sengunthar Arts and Science College, Tiruchengode

1. **Name of the department** : Commerce
2. **Year of Establishment** : 1991
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.Com	1991-1992

4. **Names of Interdisciplinary courses and the departments/units involved:**

S. No.	Class	Subject	Subject Name	Department offering the Course
01	B.Com	Part - I	Tamil	Tamil
02	B.Com	Part - II	English	English
03	B.Com	Allied	Business Economics Indian Economy	Economics
04	B.Com	Allied	Business Statistical Methods Statistical Decision Techniques	Mathematics
05	B.Com	Major	Information Technology in Business	Computer Science
06	B.Com	NMEC	Principles of Management,	B.B.A
07	B.Com	NMEC	Human Resource Management	B.B.A

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Com	Semester & CBCS

6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programs discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

## Sengunthar Arts and Science College, Tiruchengode

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	02	02
Assistant Professor	02	02

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S. Ravikumar	M.Com.,M.Phil.,Ph.D.	Associate Professor & HOD	Cost Accounting Management Accounting Auditing Human Resource Management	22 years	-
Dr. V. Senthil Raja	M.Com.,M.Phil.,M.F.C., M.B.A.,Ph.D., M.A (Yoga), NET.	Associate Professor	Income Tax Law & Practice Business Management Business Communication Corporate Accounting	17 Years	-
Mrs. M. Revathi	M.Com.(C.A)., M.Phil., M.B.A.	Asst. Professor	Financial Accounting Marketing Office Organization Entrepreneurial Development Business Environment	04 years	-
Mr. S. Saravanan	M.A., M.Phil., M.Com., P.G.D.C.A.	Asst Professor	Business Economics Indian Economy	14 Years	-

## Sengunthar Arts and Science College, Tiruchengode

			Money Banking and Global Business		
--	--	--	-----------------------------------	--	--

**11. List of senior visiting faculty:**

S.No.	Name of visiting Faculty
01	Mr.N.K.Senthil Kumar
02	Mr. U.Ilanchezhiyan
03	Mr.CMA.R.Gopal

**12. Percentage of lectures delivered and practical classes handled (programme wise)  
By temporary faculty: No Temporary Faculties.**

**13. Student –Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.Com	20:01

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	--	--
Administrative staff	--	--

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil / PG.**

Qualification	No. of Staff Members
Ph.D.	02
M.Phil.	02
PG	--

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil**

**17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants**

## Sengunthar Arts and Science College, Tiruchengode

---

received

Nil

**18. Research Centre /facility recognized by the University:**

Nil.

**19. Publications:**

**c) Publication per faculty :**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

S. No.	Name of the Faculty	Publications	
		National	International
01	Dr. S. Ravikumar	01	-
02	Mrs. M. Revathi	01	01

**\* Books with ISBN/ISSN Number :**

S. No	Name	Title	Journal/Book Name	Page No
01	Dr. S. Ravikumar	Emerging Challenges of Higher Education in India	Research Explorer (ISBN:978-81-909331-0-0)	167
02	Mrs. M. Revathi	A Study on Foreign Direct Investment – Boon And Bane.	Research Explorer (ISSN : 2250-1940)	68

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in:**

**a) National Committees b) International Committees c) Editorial Boards....**

## Sengunthar Arts and Science College, Tiruchengode

S. No.	Name of the Faculty	Member in	Name of the Committee
01	Dr. S.Ravikumar	Standing committee on Academic Affairs Periyar University, Salem. Chairman  Program Officer	SCAA Periyar University, Salem.  Board of studies Periyar University, Salem.  NSS (1997-2013) Periyar University, Salem
02	Dr. V. Senthil Raja	Member	Board of studies(2008-2011) Periyar University, Salem.

### 22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental / programme.

Nil

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies.

Nil

### 23. Awards / Recognitions received by faculty and students

#### Awards and Recognitions by staff members :

Nil

#### Awards and Recognitions by students

S. No.	Course	Gold Medalists	Recognition
01	B.Com	D. Mahalakshmi ( 2000- 2001 )	Periyar University , Salem
02	B.Com	D. Vijayalakshmi ( 2001 – 2002)	Periyar University , Salem
03	B.Com	P. Senthilraja (2002-2003 )	Periyar University , Salem
04	B.Com	L. Dineshkumar (2004-2005)	Periyar University , Salem

## Sengunthar Arts and Science College, Tiruchengode

S. No.	Course	Awards for Sports	Recognition
01	B.Com	A. Antony Arockyaraj Gold Medal in Boxing ( 2014- 2015)	Periyar University , Salem

### 24. List of eminent academicians and scientists / visitors to the department:

S. No.	Details of Eminent academicians visited the Department
01	Mr.N.K. Senthilkumar, A.C.S. Secretary, Christy Foods, Tiruchengode.
02	Mr. U.Ilanchezhiyan, C.A.,I.C.W.A. Auditor and professor, Krishnan and Chettiyappan Associates,Chennai.
03	Mr.CMA.R.Gopal, M.F.M.,M.Phil.,F.C.M.A. Chairman, I.C.W.A. Chapter, Erode.

### 25. Seminars/ Conferences/Workshops organized & the source of funding :

S. No	Date	Title	source of funding
01	05.03.2013	Business Startups and employment opportunities in India.	Sengunthar Education Trust
02	11.03.2014	A Gate Way To Professional Facilitation and Vocational Mentoring.	Sengunthar Education Trust
03	08.10.2014	Education Fair	Sengunthar Education Trust
04	25.02.2015	Textiles Cost Management	Sengunthar Education Trust

### 26. Student profile programme/course wise:

Batch	Applications Received	Selected	Enrolled		Pass %
			M	F	
2007-10	24	17	14	3	94
2008-11	32	28	24	4	72
2009-12	32	26	18	8	87
2010-13	33	19	9	10	83.33
2011-14	32	31	22	9	92
2012-15	66	48	37	11	
2013-16	55	45	26	19	
2014-17	85	70	49	21	

\*M = Male \*F = Female

## Sengunthar Arts and Science College, Tiruchengode

### 27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Com	100%	Nil	Nil

### 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

### 29. Student progression:

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG	50	45	40	41.67
PG to M.Phil.	--	--	--	--
M.Phil., to Ph.D.	--	--	--	--
PG to Ph.D.	--	--	--	--
Ph.D. to Post-Doctoral	--	--	--	--
Employed	--	--	--	--
Campus Selection	30	50	20	45.83
Other than Campus Selection	-	-	-	-
Entrepreneurship / Self Employment	20	05	40	12.50

### 30. Details of Infrastructural facilities :

#### a) Library:

Common library and separate department library are available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	1383	1758	106
Departmental Library	31	51	--

## Sengunthar Arts and Science College, Tiruchengode

### b) Internet facilities for Staff & Students:

Common internet lab in college premises is available.

### c) Class rooms with ICT facility:

Separate A/C conference hall with audio & visual facility is available.

### d) Laboratories: Nil

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Course	Year	No. of Students			
		College	University	Govt.	Others
B.Com	2014-2015	19	--	25	--
	2013-2014	11	--	19	--
	2012-2013	07	--	11	--
	2011-2012	07	--	06	--
	2010-2011	04	--	08	--

### 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:

S.No.	Date	Guest Lecturers
01	05.03.2013	Mr.N.K.Senthilkumar, A.C.S. Secretary, Christy Foods, Tiruchengode.
02	11.03.2014	Mr. U.Ilanchezhiyan, C.A.,I.C.W.A. Auditor and professor, Krishnan and Chettiyappan Associates,Chennai.
03	08.10.2014	Mr.G.Suresh, Business Development Executive, Ecygrus eLearning (P) Ltd., Chennai.
04	25.02.2015	Mr.CMA.R.Gopal, M.F.M.,M.Phil.,F.C.M.A. Chairman, I.C.W.A. Chapter, Erode.



### **33. Teaching methods adopted to improve student learning:**

- Seminar Presentation
- Group Discussion
- Continuous Assessment Test
- Assignment given on important topics

### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Guidance for HSC students for better performance in public exams, NSS, NCC, YRC and RRC

### **35. SWOC analysis of the department and Future plans:**

#### **Strength**

- Two staff members are qualified with Doctorate & NET
- Our students are motivated to attend the interviews
- Faculty involvement with students

#### **Weakness**

- Students from rural area so they are not able to communicate in English
- Due to lack of knowledge in English the pass percentage is very low
- Lack of awareness in Utilizing the Library books

#### **Opportunities**

- They can become school staff & college professor
- Students are motivated to achieve first class with distinction
- Many opportunities are available in a Banking sector & other sectors

#### **Challenges**

- To implement new syllabus to the latest technology
- To promote education for rural children
- Employability of the student are put at risk
- Job opportunities in Research and Developmental areas

#### **Future plans**

- To conduct more seminars
- To apply for M.com course

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. Name of the department : B.Com.(C.A.)
2. Year of Establishment : 2001-2002
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S. No.	Course	Year of Affiliation
01	B.Com.(C.A.)	2001-2002

4. Names of Interdisciplinary courses and the departments/units involved

S. No.	Interdisciplinary Programmes and Departments
01	Tamil
02	English
03	B.B.A.
04	B.Sc.(computer science)
05	B.sc.(Mathematics)

5. Annual/ semester/choice based credit system (programme wise):

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Com.(C.A.)	Semester & CBCS

6. Participation of the department in the courses offered by other departments:

Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc...

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

Nil

## Sengunthar Arts and Science College, Tiruchengode

### 9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	01	01
Assistant Professor	05	05

### 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. S. Senthil Kumar	M.Com., M.Phil., B.Ed., PGDCA., Ph.D.,	Associate Professor & HOD	Cost Accounting Management Accounting Auditing	21 years	-
Mr. P. Rajendran	M.Com., M.Phil.,	Asst. Professor	Income Tax Law & Practice Office Organisation Auditing	8 years	-
Mr. P. Arivalagan	M.Com., M.Phil.,	Asst. Professor	Financial Accounting Corporate Accounting Auditing	4 years & 8 months	-
Mr. L. Rajendran	M.Com., M.Phil.,	Asst. Professor	Marketing Income tax Law & Practice Financial Accounting	6 years	-
Mrs. S. Abirami Sundari	M.Com., M.Phil.,	Asst. Professor	Business Communication Corporate Accounting Entrepreneurial	4 years & 8 months	-

## Sengunthar Arts and Science College, Tiruchengode

			Development		
Mr. S.Sekar	M.Com.(C.A.),M.Phil.,	Asst. Professor	Business Communication Marketing Secretarial Practice	2 years & 9 months	-

### 11. List of senior visiting faculty:

S.NO	Name of the faculty	Date of visit
1	V. Sethuraman Head- Trainer Tally India Pvt Ltd. Bangalore	07.02.2014
2	Mr. Kathik Swaminathan Managing Director S2i vector animation academy Erode.	23.02.2015

### 12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty:

No temporary faculty in the department.

### 13. Student -Teacher Ratio (programme wise):

S. No.	Programme	Student – Teacher Ratio
01	B.Com.(C.A.)	20:1

### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Particulars	Sanctioned	Filled
Academic support staff	01	01
Administrative staff	-	-

### 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Staff Members
Ph.D.	01
M.Phil.	05
PG.	--

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

Nil

- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

Nil

- 18. Research Centre /facility recognized by the University:**

Nil.

- 19. Publications:**

- d) Publication per faculty:**

- \* Number of papers published in peer reviewed journals (National / International) by faculty and students:**

S. No.	Name of the Faculty	Publications	
		National	International
01	Dr. S. Senthil kumar	01	-
02	Mr. P. Rajendran	01	-
03	Mr. L. Rajendran	-	01

**\* Monographs : Nil**

**\* Chapter in Books : Nil**

**\* Books Edited : Nil**

**\* Books with ISBN/ISSN Number : Nil**

**\* Citation Index : Nil**

**\* SNIP : Nil**

**\* SJR : Nil**

**\* Impact Factor : Nil**

**\* H-Index : Nil**

- 20. Areas of consultancy and income generated:**

Nil

## Sengunthar Arts and Science College, Tiruchengode

### 21. Faculty as members in:

a) National Committees b) International Committees c) Editorial Boards....

S. No.	Name of the Faculty	Member in	Name of the Committee
01	L. Rajendran	Researchjournali.com	Editor

### 22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental / programme:

Nil

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies.

Nil

### 23. Awards / Recognitions received by faculty and students:

Awards and Recognitions by staff members:

Nil

Awards and Recognitions by students:

S. No.	Course	Awards	Recognition
01	B.Com.(C.A.)	--	2 University Rank Holders

Note: So far our students have secured 9 university ranks totally.

### 24. List of eminent academicians and scientists / visitors to the department:

S.N o.	Name of the Academicians	Date of visit
1	V. Sethuraman Head- Trainer Tally India Pvt Ltd. Bangalore.	07.02.2014
2	Mr. Kathik Swaminathan Managing Director S2i vector animation academy Erode.	23.02.2015

### 25. Seminars/ Conferences/Workshops organized & the source of funding

Seminars:

S. No.	Date	Title	Source of Funding
01	07.02.2014	Tally ERP9	Sengunthar Educational Trust
02	23.02.2015	Online job opportunities	Sengunthar Educational Trust

## Sengunthar Arts and Science College, Tiruchengode

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Com.(C.A.)	2007-10	94	76	62	14	67
B.Com.(C.A.)	2008-11	141	119	100	19	93
B.Com.(C.A.)	2009-12	120	120	94	26	95
B.Com.(C.A.)	2010-13	95	95	61	24	83
B.Com.(C.A.)	2011-14	85	85	68	17	83
B.Com.(C.A.)	2012-15	111	111	77	34	
B.Com.(C.A.)	2013-16	126	126	96	30	
B.Com.(C.A.)	2014-17	131	131	82	49	

\*M = Male \*F = Female

### 27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Com.(C.A.)	100%	Nil	Nil

### 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

Nil

### 29. Student progression:

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG.	46	45	24	50
PG to M.Phil.				
M.Phil. to Ph.D.				

## Sengunthar Arts and Science College, Tiruchengode

PG to Ph.D				
Ph.D. to Post-Doctoral				
Employed				
Campus Selection	18	09	13	42
Other than Campus Selection				
Entrepreneurship / Self Employment	36	46	63	08

### 30. Details of Infrastructural facilities:

#### a) Library:

Common library and separate department library are available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	1383	1758	106
Departmental Library	31	51	--

#### b) Internet facilities for Staff & Students:

Common internet lab in college premises is available.

#### c) Class rooms with ICT facility:

Separate A/C conference hall with audio & visual facility is available.

#### d) Laboratories:

Lab facilities of computer science department are being used for our students.

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Course	Year	No. of Students			
		College	University	Govt.	Others
B.Com.(C.A.)	2014-2015	59	--	17	-
	2013-2014	27	--	53	-
	2012-2013	24	--	38	-
	2011-2012	20	--	38	-
	2010-2011	18	-	12	-

### 32. Details on student enrichment programmes (special lectures / workshops /



## Sengunthar Arts and Science College, Tiruchengode

---

### Seminar) with external experts:

S. No.	Date	Guest Lectures
1	07.02.2014	V. Sethuraman , Head- Trainer Tally India Pvt Ltd. Bangalore
2	23.02.2015	Mr. Kathik Swaminathan Managing Director S2i vector animation academy, Erode.

### 33. Teaching methods adopted to improve student learning:

- Conducting Monthly & Model Exam
- Self Test note
- Special coaching for arrear students
- University Question papers are given to the students to train them

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Guidance for HSC students for better performance in public exams, NSS, NCC, YRC and RRC.

### 35. SWOC analysis of the department and Future plans:

#### Strength

- One Ph.D faculty with 21 years of experience.
- We are producing the first graduate of the family.

#### Weakness

- Students from rural background.
- Low level income.
- Students with poor English knowledge.
- Most of the parents are illiterate.

#### Opportunities

- Providing job opportunities to the student through placement cell.
  - Opportunities for higher education.

#### Challenges

- Revision of syllabi for updating knowledge is must.
- Lack of skills and knowledge of the students.

#### Future plans

- Motivate the students to get university gold medals & ranks.
- Secure 100% Results in the University Examinations.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : B.B.A.
2. **Year of Establishment** : 1991-1992
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.B.A.	1991-1992

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Part I-Tamil
02	Part II-English
03	B.Sc. Maths
04	B.Sc. Computer Science

5. **Annual/ Semester/Choice Based Credit System (Programme Wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.B.A.	Semester & CBCS

6. **Participation of the department in the courses offered by other departments:**

S. No.	Class	Subject	Subject Name
01	B.Sc. (C.S.)	NMEC	Principles of Management and Human Resource Management
02	B.C.A.	NMEC	Principles of Management and Human Resource Management
03	B.A. (English)	NMEC	Principles of Management and Human Resource Management
04	B.Com.	NMEC	Principles of Management and Human Resource Management

## Sengunthar Arts and Science College, Tiruchengode

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	02	02
Assistant Professor	04	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Ravikumar	M.Com., M.B.A., M.Phil., Ph.D., B.Ed., P.G.D.P.M.	Asso. Professor & H.O.D	Finance	23	6
Arul	M.Com., M.Phil., M.B.A., Ph.D.	Asso. Professor	Finance	10	-
S. Rupa	M.B.A., M.Phil., M.Com., B.Ed	Asst. Professor	Finance and Marketing	7	-
Sundaravadivelu	M.B.A., M.Phil., M.Com., M.A. (Yoga) D.M.M.	Asst. Professor	Finance and Marketing	4	-
S. Swathi	M.B.A., M.Phil., M.A (Yoga)	Asst. Professor	HR and Finance	6	-

## Sengunthar Arts and Science College, Tiruchengode

### 11. List of senior visiting faculty:

S.No	Visiting Faculty
1	<b>Mr. Sivanesan</b> , M.Sc., PGDVES., President, Federation of All Trade & Industry Association, Erode.
2	<b>Mr. Ashok kumar</b> ,PRB, Business Manager, Head - Central Tamil Nadu, Religare Commodities Limited, Chennai.
3	<b>Mr. Rangasamy</b> , Avl Professor in Yoga, Manavalakkali Mantram, Tiruchengode.
4	<b>Mr. Lakshmi Narayanan</b> , Head HR ,TVS Group, Chennai/
5	<b>Mr . Sankar Sundaralingam</b> , Head , HR, TATA Johnson Controls Automotive Ltd, Chennai.

### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

No temporary faculty

### 13. Student -Teacher Ratio (programme wise):

S. No.	Programme	Student – Teacher Ratio
01	B.B.A.	20 : 1

### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Particulars	Sanctioned	Filled
Academic support staff	--	--
Administrative staff	--	--

## Sengunthar Arts and Science College, Tiruchengode

### 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Staff Members
Ph.D.,	02
M.Phil.,	04
P.G.	--

### 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

### 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

#### Research Projects carried out/ ongoing in the department

Year	Title of the Project	Supervisor	Students	Fund / Grand Sanctioned by Sengunthar Education Trust ( Rs)
2010-11	A study on Advertising effectiveness towards VIVA at Trichy Town	Dr. D. Ravikumar	A. Rajasekar	3000
	A study on former satisfaction towards Mahindra tractor at Valappadi Town	Dr. D. Ravikumar	T. Maheswaran	3000
2011-2012	A Study on Customer satisfaction towards Annapoorna Salt at Tiruchengode Town	Dr. D. Ravikumar	P. Alagesan	3000
	A Study on Customer	Dr. D. Ravikumar	R. Sathya	3000

## Sengunthar Arts and Science College, Tiruchengode

---

	satisfaction towards Dove Soap at Tiruchengode Town			
2012-13	A study on problems faced by the poultry farm owners at namakkal town	Dr. T. Arul	R. Naveenkumar	3000
	A study on problems faced by the fishermen at edappadi taluk	Mr. S.Sundaravadivelu	R.Ranjith kumar	3000
2013-14	A study on problems faced by employees of siddeswara spinning mills (p) ltd at mallur	Dr. T.Arul	N.Arunraj	3000
	A Study on Customer satisfaction towards MTR food products at Tiruchengode taluk	Mrs. R.Rupa	G.Manopreethi	3000
2014-15	A Study on Customer satisfaction towards Aachi masala at Tiruchengode taluk	Mrs. R. Rupa	S. Ramani priya	3000
	A Study on Customer satisfaction towards Samsung Galaxy at Tiruchengode	Mrs. E. Swathi	A. Sundhareswaran	3000

## Sengunthar Arts and Science College, Tiruchengode

**18. Research Centre /facility recognized by the University: Nil**

**19. Publications:**

**e) Publication per faculty :**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

S. No.	Name of the Faculty	Publications	
		National	International
01	Dr. D. Ravikumar		01
02	Mrs E. Swathi		01

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

**\* Chapter in Books : Nil**

**\* Books Edited : 03**

Sl. No.	Name of the author	Department	Title of the paper	University
01	Dr. D. Ravikumar	B.B.A.	Salemanship, International Business, Banking	Periyar University Distance Education
02	Dr. T. Arul	B.B.A.	Internet Technologies	Periyar University Distance Education
03	Mrs. R. Rupa	B.B.A.	Computer network and security Telecommunication	Periyar University Distance Education

**\* Books with ISBN/ISSN Number :**

Sl. No	Name of the Author	Title of the Publication	Publisher name	Year of Edition	ISBN Number
01	D. Ravikumar	Customer Relationship Management	Pallavi Pathippagam, Erode	2008	978-93-80024-26-4
02	D. Ravikumar	Management Practice	Pallavi Pathippagam, Erode	2008	978-93-80024-25-7
03	D. Ravikumar	Accounting for Mangers	Pallavi Pathippagam, Erode	2008	978-93-80024-27-1
04	D. Ravikumar	Practice of Public Relations	Help	2009	----
05	D. Ravikumar	Performance Appraisal System	Vysya Institute of Management Studies	2012	978-81-922849-5-8

## Sengunthar Arts and Science College, Tiruchengode

* Citation Index	: Nil
* SNIP	: Nil
* SJR	: Nil
* Impact Factor	: Nil
* H-Index	: Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards....**

S. No.	Name of the Faculty	Member in	Name of the Committee
01	Dr. D. Ravikumar	Board of Studies	Periyar University, Salem
02	Dr. D. Ravikumar	Academic Council	Periyar University, Salem
03	Dr. D. Ravikumar	Senate Member	Periyar University, Salem
04	Dr. D. Ravikumar	Advisory Committee	Primax Commerce and Management Research Academy, Bangalore .

**22. Student projects**

**a) Percentage of students who have done in-house projects including inter departmental / programme**

S. No.	Course	Year	% of In-house Projects
01	B.B.A.	2014 – 2015	30%
02		2013 – 2014	30%
03		2012 – 2013	30%
04		2011 – 2012	30%
05		2010 - 2011	30%

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies**

S. No.	Course	Year	% of Projects in organizations outside the Institution
01	B.B.A.	2014 – 2015	70%
02		2013 – 2014	70%
03		2012 – 2013	70%



## Sengunthar Arts and Science College, Tiruchengode

04		2011 – 2012	70%
05		2010- 2011	70%

### 23. Awards / Recognitions received by faculty and students

**Awards and Recognitions by staff members:** Nil

**Awards and Recognitions by students**

S. No.	Course	Awards	Recognitions
1	B.B.A.	National Power Lifting	4 <sup>th</sup> Place
2	B.B.A.	University Power Lifting	1 <sup>st</sup>
3	B.B.A.	University Weight Lifting	2 <sup>nd</sup>
4	B.B.A.	Senior state sub junior	1 <sup>st</sup>
5	B.B.A.	Senior state Dead Lifting	2 <sup>nd</sup>
6	B.B.A.	Namakkal Weight Lifting	1 <sup>st</sup>
7	B.B.A.	State Bench Press	1 <sup>st</sup>
8	B.B.A.	University Power Lifting	1 <sup>st</sup>
9	B.B.A.	University Weight Lifting	2 <sup>nd</sup>
10	B.B.A.	Sub junior Dead Lifting	2 <sup>nd</sup>
11	B.B.A.	Weight Lifting	1 <sup>st</sup>
12	B.B.A.	Bench Press	1 <sup>st</sup>
13	B.B.A.	University Power Lifting	2 <sup>nd</sup>
14	B.B.A.	University Weight Lifting	3 <sup>rd</sup>
15	B.B.A.	Sub junior Dead Lifting	1 <sup>st</sup>
16	B.B.A.	Bench Press	1 <sup>st</sup>
17	B.B.A.	University Power Lifting	3 <sup>rd</sup>
18	B.B.A.	University Weight Lifting	3 <sup>rd</sup>
19	B.B.A.	State Sub junior power lifting	3 <sup>rd</sup>
20	B.B.A.	Bench press	1 <sup>st</sup>
21	B.B.A.	Weight Lifting District	3 <sup>rd</sup>
22	B.B.A.	Weight Lifting	3 <sup>rd</sup>
23	B.B.A.	Weight Lifting District	2 <sup>nd</sup>
24	B.B.A.	Power Lifting state sub junior	3 <sup>rd</sup>
25	B.B.A.	Bench press	2 <sup>nd</sup>

### 24. List of eminent academicians and scientists / visitors to the department

S.No	Visiting Faculty
1	Thiru N. Sivanesan, M.Sc., PGDVES., President Federation of All Trade & Industry Association. Erode.
2	Mr. Ashok kumar PRB Business Manager. Head - Central Tamil Nadu Religare

## Sengunthar Arts and Science College, Tiruchengode

	Commodities Limited. Chennai
3	Mr. Rangasamy, Avl Professor in Yoga , Manavalakkali Mantram, Tiruchengode.
4	Mr. Lakshmi Narayanan , Head HR TVS Group Chennai
5	Mr . Sankar Sundaralingam Head , HR TATA Johnson controls Automotive Ltd, Chennai.

### 25. Seminars/ Conferences/Workshops organized & the source of funding

**Conference : Nil**

**Seminars : 03**

S. No.	Date	Title	Source of Funding
01	05-03-2010	National Level Seminar	Sengunthar Education Trust
02	25-03-2015	Seminar on Creating New Entrepreneurs	Sengunthar Education Trust
03	09-02-2015	Seminar On Tex- valley Market in Erode	Sengunthar Education Trust

**Workshop : Nil**

### 26. Student profile programme/course wise:

Name of the Course	Batch	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.B.A.	2009-10	120	102	89	13	89%
B.B.A.	2010-11	70	54	45	9	70%
B.B.A.	2011-12	86	62	55	7	94%
B.B.A.	2012-13	105	64	54	10	-
B.B.A.	2013-14	103	90	76	14	-
B.B.A.	2014-15	109	96	79	17	-

\*M = Male \*F = Female

**27. Diversity of Students**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other states</b>	<b>% of students from abroad</b>
B.B.A.	100%	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, civil services, defense services, etc?: Nil**

**29. Student progression**

<b>Student Progression</b>	<b>Against % enrolled</b>			
	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
UG to PG	20	25	30	30
PG to M.Phil.,	--	--	--	--
M.Phil., to Ph.D.,	--	--	--	--
PG to Ph.D.,	--	--	--	--
Ph.D. to Post-Doctoral	--	--	--	--
Employed	--	--	--	--
Campus Selection	--	--	--	20%
Other than Campus Selection	--	--	--	10%
Entrepreneurship / Self Employment	--	--	--	50%

**30. Details of infrastructural facilities**

**a) Library:**

Common library and separate department library is available

<b>Library</b>	<b>No. of Titles</b>	<b>No. of Volumes</b>	<b>No. of Journals &amp; Magazines</b>
General Library	295	356	82

**b) Internet facilities for Staff & Students:**

Common internet lab in college premises is available.

**c) Class rooms with ICT facility:**

- black board teaching
- power point presentation teaching

**d) Laboratories** : Used to study interdisciplinary courses subject

1. C++
2. M.S Office
3. Information Technology
4. H.T.M.L

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

<b>Course</b>	<b>Year</b>	<b>No. of Students</b>			
		<b>College</b>	<b>University</b>	<b>Govt.</b>	<b>Others</b>
B.B.A.	2014-2015	3	-	11	15
	2013-2014	5	-	20	13
	2012-2013	4	-	27	4
	2011-2012	5	-	26	5
	2010-2011	6	-	11	-

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

S. No.	Date	Title	Source of funding
01	05-03-2010	National Level Seminar	Sengunthar Educational Trust
02	25-03-2015	Seminar on Creating New Entrepreneurs	Sengunthar Educational Trust
03	09-02-2015	Seminar on Tex- Valley Market in Erode	Sengunthar Educational Trust

**33. Teaching methods adopted to improve student learning:**

- Continuous assessment test
- Assignment given on important topics
- Special class for slow learner
- Special test for below average students
- Industrial visit
- Seminar
- In plant Training
- Project work

**34. Participation in Institutional Social Responsibility (ISR) and extension activities:**

- Guidance for HSC students for better performance in public exams, NSS, NCC, YRC, RRC

**35. SWOC analysis of the department and future plans**

**Strength**

- Two staff members are qualified with Doctorate.
- Our students are motivated to attend the interviews through placement cell.
- Faculty involvement with students.

**Weakness**

- Student's background is financially unsound.
- As students are from rural areas they are unable to communicate in English.
- Due to lack of knowledge in English the pass percentage is very low.
- Lack of awareness in utilizing the library books.

**Opportunities**

## Sengunthar Arts and Science College, Tiruchengode

---

- Students are given placement by placement cell.
- Students are motivated to achieve first class with distinction.
- Many opportunities are available in banking & other sectors.

### **Challenges**

- To make students to adapt to the latest technology.
- To promote education for rural children.
- Employability of the student are put at risk.
- To provide employability skills to the rural students.

### **Future plans**

- To provide communication skills to rural area students.
- To conduct mock interview for the students.
- To conduct more seminars.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : Computer Science
2. **Year of Establishment** : 1991
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.Sc., Computer Science	1991 – 1992
02	M.C.A.	1994 – 1995
03	B.C.A.	2001 – 2002
04	M.Sc., Computer Science	2001 – 2002
05	M.Phil., Computer Science	2014 – 2015

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Class	Subject	Subject Name	Department offering the Course
01	I B.Sc.(CS)	PART -I	Tamil	Tamil
02	I B.C.A.	PART -I	Tamil	Tamil
03	II B.Sc.(CS)	PART -I	Tamil	Tamil
04	I B.Sc.(CS)	PART-II	English	English
05	I B.C.A.	PART-II	English	English
06	II B.Sc.(CS)	PART-II	English	English
07	II B.Sc.(CS)	NMEC	Human Resource Management	Business Administration
08	II B.C.A.	NMEC	Human Resource Management	Business Administration
09	II B.Sc.(CS)	NMEC	Principles of Management	Business Administration
10	II B.C.A.	NMEC	Principles of Management	Business Administration
11	II B.Sc.(CS)	ALLIED	Applied Electronics I and Applied Electronics II	Electronics and Communications
12	II B.C.A.	ALLIED	Applied Electronics I and	Electronics and

## Sengunthar Arts and Science College, Tiruchengode

			Applied Electronics II	communications
13	I M.C.A.	MAJOR	Managerial Accounting	Management Studies
14	I M.C.A.	EDC	Statistical Methods	Mathematics
15	II M.C.A.	MAJOR	Optimization Techniques	Mathematics
16	I M.Sc.(CS)	EDC	Statistical Methods	Mathematics

### 5. Annual/ semester/choice based credit system (programme wise):

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc., Computer Science	Semester & CBCS
02	B.C.A.	Semester & CBCS
03	M.Sc., Computer Science	Semester & CBCS
04	M.C.A.	Semester & CBCS
05	M.Phil., Computer Science	Semester & CBCS

### 6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject
01	III B.B.A.	Management Information System
02	II B.B.A.	Fundamentals of Information Technology
03	II B.B.A.	Introduction to Object Oriented Programming in C++
04	I B.Com.(CA)	Ms-Office
05	I B.Com.(CA)	Tally
06	II B.Com.(CA)	Data Base Management System
07	II B.Com.(CA)	E-Commerce
08	III B.Com.(CA)	Software Development in Visual Programming



## Sengunthar Arts and Science College, Tiruchengode

09	II B.Sc. (Chemistry)	Fundamentals of Information Technology
10	II B.Sc. (Chemistry)	Introduction to Object Oriented Programming in C++
11	II B.Sc. (Electronics)	Programming in C
12	II B.Sc. (Electronics)	Fundamentals of Information Technology
13	II B.Sc. (Electronics)	Introduction to Object Oriented Programming in C++
14	II B.Sc. (Electronics)	Visual Programming
15	III B.Com.	Fundamentals of Information Technology
16	II B.Sc.(Microbiology)	Computer Applications in Biology
17	II B.Sc.(Bio Tech)	Computer Applications in Biology
18	II B.Sc.(Bio Chemistry)	Computer Applications in Biology
19	I B.Sc.(Physics)	Programming in C
20	III B.Com.	Fundamentals of Information Technology
21	I M.Com.(CS)	Computer Applications in Business
22	II M.B.A.	EDC-Fundamentals of Computers and Communications
23	I M.B.A.	EDC-E-Commerce

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of courses/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts**

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	--	--
Assistant Professor	19	19

## Sengunthar Arts and Science College, Tiruchengode

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. C. Muruganandam	M.Sc.,M.Phil., SET	Asst. Prof. & Head	Database Systems	18	NIL
Mr. S. Gnanavel	M.C.A.	Asst. Prof.	Software Engineering	11	NIL
Mr. S. Tamilsenthil	M.Sc., M.Phil.	Asst. Prof.	Computer Networks	06	NIL
Mrs. R. Bharathi	M.Sc., M.Phil.	Asst. Prof.	Data Mining	14	NIL
Mrs. D. Renuga	M.C.A.	Asst. Prof.	Computer Networks, E-Commerce	07	NIL
Mrs. R. Harini	M.C.A., M.Phil.	Asst. Prof.	Digital Image Processing	05	NIL
Mrs. S. Poongothai	M.Sc, M.Phil.	Asst. Prof.	Computer Graphics, Java	06	NIL
Mr. S. Saravanan	M.Sc., M.Phil.	Asst. Prof.	Computer Networks	06	NIL
Mrs. T. Gayathiri	M.C.A..	Asst. Prof.	Database Systems	02	NIL
Mr. S. Balachandar	M.C.A.	Asst. Prof.	Visual Basic	05	NIL
Mr. R. Senthilkumar	M.C.A., M.Phil.	Asst. Prof.	Software Project Management	04	NIL
Mr. E. Prabakarraj	M.C.A.	Asst. Prof.	Multimedia Systems	04	NIL
Ms. A. Suganthi	M.C.A.	Asst. Prof.	Data Structure And Algorithms	04	NIL
Mr. S. Soundararajan	M.C.A.	Asst. Prof.	Linux	03	NIL
Mrs. G. Subalakshmi	M.Sc.	Asst. Prof.	Computer Networks	01	
Mr. A. Shakespear	M.C.A., M.Phil.	Asst. Prof.	Data Base Management System	01	
Mr. P.Balamurugan	M.Sc., M.Phil.	Asst. Prof.	Data Structure	10	NIL

## Sengunthar Arts and Science College, Tiruchengode

			and Algorithms		
Mrs. M. Revathi	M.C.A .	Asst. Prof.	Wireless Network	03	NIL
Mrs. P.Gayathiridevi	M.Sc., M.Phil.	Asst. Prof.	Database Systems	07	NIL

**11. List of senior visiting faculty:** Nil

**12. Percentage of lectures delivered and practical classes handled (programme wise)**

**By temporary faculty:** No temporary faculties

**13. Student -Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.Sc. Computer Science	20 : 1
02	B.C.A.	20 : 1
03	M.Sc. Computer Science	15 : 1
04	M.C.A.	15 : 1
05	M.Phil. Computer Science	5 : 1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	03	03
Administrative staff	--	--

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D.	--
M.Phil.	10
PG	09

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

## Sengunthar Arts and Science College, Tiruchengode

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

Year	Course	Title of the Project	Supervisor	Students	Fund/ Grand Sanctioned by SET (Rs.)
2010-2011	M.C.A.	A Puzzle based defence statergy against flooding attacks in game theory	Mr. C. Muruganandam	V. Pasupathy	5000
		Paperless Inspection	Mr. S. Saravanan	P. Loganathan	5000
2011-2012		Automatic Discovery name alaiases from the web	Mr. S. Tamilsenthil	T. Karthika	5000
		Reservation Protocol	Mrs. M. Revathi	P. Suhasini	5000
2012-2013		Secure and userfriendly dog-tag for ATM	Mr. S. Tamilsenthil	S. Saveetha	5000
		Dynamic content tracing with google map	Mr. P. Balamurugan	S. Gayathri	5000
2013-2014		Data Dynamics for Storage security in cloud computing	Mrs. R. Harini	P. Sivanmoorthi	5000
		Multi party access control for online social networks	Mrs. R. Bharathi	J. Vishnupriya	5000
2014-			Secure data	Mrs. R. Harini	R. Rajkumar

## Sengunthar Arts and Science College, Tiruchengode

2015		retrieval for decentralized disruption-tolerant military networks			
		Citizen identification	Mrs. P. Gayathri Devi	J. Anjela mary	5000
2011-2012	M.Sc(CS)	Development of GUI for GPS enabled freight tracking system	Mrs. R. Bharathi	G. Subalakshmi	5000
		Electronic public distribution system	Mr. S. Tamilsenthil	T. Sangeetha Tamizhmozhi	5000
2012-2013		A web search engine based approach to measure semantic similarity between words	Mrs. R. Bharathi	R.S. Sangeetha	5000
		A secure intrusion detection system against DDOS attacks in mobile ad-hoc networks	Mr. S. Tamilsenthil	A. Sadamhussain	5000
2013-2014		Credit card fraud detection	Mrs. R. Harini	K. Gayathri	5000
		Bug Tracking System for software company	Mrs. R. Bharathi	M. Thenmozhi	5000
2014-2015		SMS based exam room allotment	Mr. C. Muruganandam	P. Gowsalya	5000
		Privacy	Mrs. T. Gayathri	V. Kalaiyarasi	5000

## Sengunthar Arts and Science College, Tiruchengode

		protection in personalized web search			
--	--	---------------------------------------	--	--	--

### 18. Research Centre /facility recognized by the University:

Periyar University Recognizes the department as a Research Department (M.Phil, Computer Science)

### 19. Publications:

#### f) Publication per faculty :

\* Number of papers published in peer reviewed journals (National / International) by faculty and students

S. No.	Name of the Faculty	Publications	
		National	International
01	Mr. C. Muruganandam	01	05
02	Ms. R. Bharathi	03	--
03	Ms. R. Harini	--	03

\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..) : Nil

\* Monographs : NIL

\* Chapter in Books : NIL

#### \* Books Edited:

Mr. C. Muruganandam has written four course materials books for PRIDE, Periyar University, \*

#### Books with ISBN/ISSN Number :

Sl. No.	Name of the author	Title of the publication	Publisher Name	Year of the edition	ISBN Number
1	Mr. C.Muruganandam	C Programming - Easy to Learn	Gowaran publications Dharmapuri	2008	978-81-907718-8-7
2	Mr. C.Muruganandam	Object Oriented Programming - Easy to Learn	Gowaran Publications Dharmapuri	2008	978-81-907718-9-4
3	Mrs. R.Bharathi	Testing Techniques	Pallavi Pathippagam India Pvt.Ltd	2008	978-81-907955-2-4
4	Mrs. R.Bharathi	Network Layers and its	Pallavi Pathippagam India Pvt.Ltd	2008	978-81-907955-0-0

## Sengunthar Arts and Science College, Tiruchengode

		Operation			
5	Mrs. R.Bharathi	Database Models	Pallavi Pathippagam India Pvt.Ltd	2008	978-81-907955-1-7

\* **Citation Index** : NIL

\* **SNIP** : NIL

\* **SJR** : NIL

\* **Impact Factor** : NIL

\* **H-Index** : NIL

### ICT Academy of Tamilnadu

1) ICTACT Faculty development program number of participants attended : 4

2) ICTACT Bridge Conference number of participants attended :

Bridge 2011 - 3

Bridge 2012 – 3

Bridge 2013 – 2

3) ICTACT Conclave number of participants attended : 6

### **20. Areas of consultancy and income generated:**

Income generated through the Oracle SQL Training Program.

### **21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards: etc**

C.Muruganandam acted as Periyar university inspection committee member for course affiliation of B.Sc. Computer Science, B.C.A and M.Sc. Computer Science in Seven colleges.

### **22. Student projects**

**a) Percentage of students who have done in-house projects including inter departmental / programme**

S. No.	Course	Year	% of In-house Projects
01	M.C.A.	2014 – 2015	100
02		2013 – 2014	100
03		2012 – 2013	100
04		2011 – 2012	100
05		2010 – 2011	100
06	M.Sc.(Computer Science)	2014 – 2015	100
07		2013 – 2014	100
08		2012 – 2013	100

## Sengunthar Arts and Science College, Tiruchengode

09		2011 – 2012	100
10		2010 – 2011	100

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies**

S. No.	Course	Year	% of In-house Projects
01	M.C.A.	2014 – 2015	100
02		2013 – 2014	100
03		2012 – 2013	100
04		2011 – 2012	100
05		2010 – 2011	100
06	M.Sc.(Computer Science)	2014 – 2015	100
07		2013 – 2014	100
08		2012 – 2013	100
09		2011 – 2012	100
10		2010 – 2011	100

**23. Awards / Recognitions received by faculty and students**

**Awards and Recognitions by staff members:** Nil

**Awards and Recognitions by students**

S. No.	Course	Awards	Recognition
01	B.Sc. Computer Science	1 University Gold Medals	1 University Ranks
02	B.C.A.	--	10 University Ranks
03	M.Sc. Computer Science	2 University Gold Medals	9 University Ranks
04	M.C.A.	2 University Gold Medals	23 University Ranks



## Sengunthar Arts and Science College, Tiruchengode

### 24. List of eminent academicians and scientists / visitors to the department

S. No.	Details of Eminent academicians and Scientists visited the Department
01	Prof. G. Ravindran, Associate Professor, St.Joseph's College, Trichy.
02	Prof. S. Papu Benjamin Elango, Associate Professor, St.Joseph's College, Trichy.
03	Dr. T. Velmurugan, Associate Professor, D.G. Vaishnav College, Chennai.
04	Dr. R. Periyasamy, Associate Professor, Nehru Memorial College, Puthanampatti.

### 25. Seminars/ Conferences/Workshops organized & the source of funding

#### Conference

S. No.	Date	Title	Source of Funding
01	10.10. 2008	National Conference on "Emerging Trends in IT"	Sengunthar Educational Trust
02	01.03.2010	National Conference on "Advanced Trends in information technology"	Sengunthar Educational Trust
03	05.03.2013	National Conference on "Recent Trends in Information technology"	Sengunthar Educational Trust

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc. Computer Science	2007-2010	130	74	63	11	86.4
	2008-2011	128	76	59	17	95
	2009-2012	50	32	23	9	81.25
	2010-2013	72	56	32	24	96.42
	2011-2014	99	69	38	31	92.75
B.C.A.	2007-2010	133	77	54	23	80
	2008-2011	153	108	82	26	95
	2009-2012	60	45	35	10	88

## Sengunthar Arts and Science College, Tiruchengode

	2010-2013	67	43	29	14	95.34
	2011-2014	76	47	33	16	95.74
M.Sc. Computer Science	2010-2012	15	15	9	6	94
	2011-2013	31	27	16	11	74
	2012-2014	13	11	6	5	100
M.C.A.	2007-2010	41	39	31	08	100
	2008-2011	30	27	19	08	100
	2009-2012	3	3	3	0	100
	2010-2013	2	2	1	1	100
	2011-2014	2	2	2	0	100
M.C.A. (Lateral)	2010-2012	33	33	22	11	94
	2011-2013	31	29	14	15	96
	2012-2014	43	41	26	15	95

\*M = Male \*F = Female

### 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. Computer Science	100	Nil	Nil
B.C.A.	100	Nil	Nil
M.Sc. Computer Science	100	Nil	Nil
M.C.A.	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil

**29. Student progression**

Student Progression	Against % enrolled				
	2010	2011	2012	2013	2014
UG to PG	33	21	25	6	34
PG to M.Phil.	12	22	14	20	19
M.Phil., to Ph.D.	0	0	0	0	0
PG to Ph.D.	0	0	0	0	0
Ph.D. to Post-Doctoral	0	0	0	0	0
Employed	0	0	0	0	0
Campus Selection	38	41.5	52.33	44.9	59.39
Other than Campus Selection	0	0	0	0	0
Entrepreneurship / Self Employment	0	0	0	0	0

**30. Details of Infrastructural facilities**

**a) Library:**

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
Department Library	3681	5968	62

**b) Internet facilities for Staff & Students:**

No of systems	Provider name	Bandwidth (mbps)	Charges/Month
60	Ready link Internet Services Limited, Coimbatore	2.5	13,483/-

**c) Class rooms with ICT facility:**

Separate A/C conference hall with audio & visual facility is available.

S.No.	Block name	Room no	Course
1.	Main Block	12	I B.Sc. Computer Science
2.	Main Block	28	II B.Sc. Computer Science
3.	Main Block	01	III B.Sc. Computer Science
4.	Main Block	13	I B.C.A.
5.	Main Block	29	II B.C.A.
6.	Main Block	02	III B.C.A.
7.	MCA Block	08	I M.C.A.
8.	MCA Block	09	II M.C.A.
9.	MCA Block	10	III M.C.A.
10.	MCA Block	14	I M.Sc.Computer Science
11.	MCA Block	15	II M.Sc. Computer Science
12.	MCA Block	16	M.Phil. Computer Science
13.	MCA Block	3	CONFERENCE HALL

### d) Laboratories:

Separate lab facilities available for UG, PG, M.Phil Programmes in Computer Science

#### LABORATORIES M.C.A. LAB SYSTEMS LIST

S. No.	SYSTEM NAME	CONFIGURATION OF COMPUTER	QUANTITY
1.	WINDOWS 2000 SERVER ( XEON PROCESSOR ) (HCL)	PENTIUM 1.7 GHz / 28 ECC RAM/ 2*18 GB HDD(SCSI)/ AGP 4X/32 MB W/O TVOUT MB FDD/52X CD DRIVE 15" DIGITAL COLOUR MONITOR/ ONBOARD 10-100 MBPS FAST ETHERNET CARD HCL 2 BUTTON SCROLL MOUSE HCL 101 KEYS + 13 BUTTON	1
2.	LINUX SERVER ( XEON PROCESSOR ) (HCL)	PENTIUM 1.7 GHz / 28 ECC RAM/ 2*18 GB HDD(SCSI)/ AGP 4X/32 MB W/O TVOUT MB FDD/52X CD DRIVE 15" DIGITAL COLOUR MONITOR/ ONBOARD 10-100 MBPS FAST ETHERNET CARD HCL 2 BUTTON SCROLL MOUSE HCL 101 KEYS + 13 BUTTON	1
3.	NOVELL NETWARE SERVER (WIPRO)	PENTIUM @ 700 MHz CPU/ 256 MB RAM/2*9.1 GB HDD(SCSI)/ 1.44 MB FDD/50X CD DRIVE 15" DIGITAL COLOUR MONITOR/ ONBOARD PRO 10-100 MBPS FAST ETHERNET CARD	1
4.	HCL CORE 2 DUO SYSTEM	INTEL CORE 2 DUO 1.86 GHz PROCESSOR / INTEL Q965 CHIPSET MBD / 1 GB DDR II RAM 160 GB SATA HDD/ HP KEYBOARD / OPTICAL MOUSE HP 17" TFT MONITOR	10

## Sengunthar Arts and Science College, Tiruchengode

5.	HCL DUAL CORE SYSTEM	PENTIUM D 2.80 GHZ 1 GB DDR RAM/ 160 GB SATA HDD (7200 RPM)/ 52X CD ROM/ MM KEYBOARD/ PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/ OPTICAL SCROLL MOUSE/ 17" TFT COLOUR MONITOR	33
6.	HCL INFINITI AMD SYSTEM	AMD ATHLON XP 2800+ 333 MHZ, 128+512K /DDR266 256 MB RAM/ 40 GB HDD ATA 1100 IDE 5400 RPM/ PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/104 KEY+14 BUTTON PS/2 KEYBOARD/ HCL OPTICAL SCROLL MOUSE/ 15" HCL COLOUR MONITOR	14
7.	HCL INFINITI ORBITAL SYSTEM	AMD ATHLON XP 2400+ 266 MHz DDR266 256 MB RAM/ 40 GB HDD PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/ 600W SPEAKER SYSTEM/ HCL OPTIC MOUSE/ MICROPHONE	4
8.	HCL PIV NODES	PENTIUM IV 2.93 GHz 256 MB DDR II RAM/ 160 GB SATA HDD (7200 RPM)/ 52X CD ROM/ MM KEYBOARD/ PCI ONBOARD ETHERNET CARD/ PCI ONBOARD SOUND CARD/ OPTICAL SCROLL MOUSE/ 17" TFT COLOUR MONITOR/	17
9.	WIPRO	PIII 667 MHZ PROCESSOR,10 GB HDD/64 MB SD RAM/COLOR MONITOR/1.44 MB FDD/ PC100/INTEGRATED GRAPHICS WITH 4MB /104 KBD,CD ROM SPEAKER	6

## Sengunthar Arts and Science College, Tiruchengode

### **ACCESSORIES** **PRINTERS AND COPIER**

<b>Sl. No</b>	<b>Accessories Name</b>	<b>No.s of Items</b>
1	EPSON-LX 1170 DOT MATRIX PRINTER	2
2	WEB-HQ 1070+DX DOT MATRIX PRINTER	1
3	HP LASERJET 1020 PRINTER	1
4	HP LASERJET 6L PRO PRINTER	1
5	TOSHIBA E-STUDIO 160 COPIER	1
<b>Total</b>		<b>6</b>

### **OTHER ACCESSORIES**

<b>Sl.No</b>	<b>Accessories Name</b>	<b>No.s of Items</b>
1	24 PORT SWITCH (DAX)	5
2	SIMMTRANICS 1 GB PEN DRIVE	1
3	SIMMTRANICS MP 3 DRIVE	1
4	MBS STABILIZER	1
5	NUMERIC 600 VA UPS	1
6	ECAPS HARDWARE FIREWALL	1
7	EXTERNAL DVD WRITER	1
<b>Total</b>		<b>11</b>

### **PROJECTOR**

<b>Sl.No.</b>	<b>Accessories Name</b>	<b>No.s of Items</b>
1	TOSHIBA LCD PROJECTOR	1
2	OHP PROJECTOR	1
<b>Total</b>		<b>2</b>

## Sengunthar Arts and Science College, Tiruchengode

### M.Sc COMPUTER SCIENCE & RESEARCH LAB SYSTEMS LIST

Sl.No	SYSTEM NAME	CONFIGURATION OF COMPUTERS	QUANTITY
1.	HCL CORE 2 DUO SYSTEM	INTEL CORE 2DUO B4600 PROCESSOR 2.4Ghz INTEL G33 CHIPSET MOTHER BOARD 1GBDDR – II RAM 160 GB SATA HDD HP KEYBOARD /OPTICAL MOUSE HP 17” TFT MONITOR	19
2.	COMPAQ PENTIUM IV SYSTEM	COMPAQ P4 PROCESSOR 2.41Ghz 256MB DDR RAM 40 GB HDD KEYBOARD / SCROLL MOUSE 15”CRT COLOUR MONITOR	25

### ACCESSORIES PRINTER

Sl.No.	Accessories Name	No.s of Items
1	EPSON-LX 1170 DOT MATRIX PRINTER	2

### UG COMPUTER SCIENCE LAB SYSTEMS LIST

S. No.	SYSTEM NAME	CONFIGURATION OF COMPUTER	QUANTITY
1.	HP XEON SERVER	PROCESSOR INTEL, XEON DUAL CORE 5200 ,RAM 1GB ,HRD 160GB, MONITOR HP L1710,LCD 17”	1
2.	HP CORE 2 DUO SYSTEM	HP COMPAQ DESKTOP INTEL CORE 2 DUO E4600 PROCESSOR INTEL G33 CHIPSET MBD / 1 GB DDR2 RAM 160 GB SATAHDD HP KEYBOARD / OPTICAL MOUSE HP 17” TFT MONITOR	79

### ACCESSORIES

Sl.No.	Accessories Name	No.s of Items
1	TVS MSP455 XL CLASSIC DOT MATRIX PRINTER	1
2.	WEB EX330 DOT MATRIX PRINTER	1
3.	HP LASERJET 1018 PRINTER	1
4.	EXTERNAL DVD WRITER	1
5.	24 PORT SWITCH (DAX)	4



## Sengunthar Arts and Science College, Tiruchengode

### MCA LAB UPS AND BATTERIES

Sl.No.	Accessories Name	No.s of Items
1	NUMERIC UPS 20 KVA	1
2	12V BATTERIES	20

### M.Sc COMPUTER SCIENCE & RESEARCH LAB UPS AND BATTERIES

Sl.No.	Accessories Name	No.s of Items
1	NUMERIC UPS 20 KVA	1
2	12V BATTERIES	25

### UG COMPUTER SCIENCE LAB – UPS AND BATTERIES

Sl.No.	Accessories Name	No.s of Items
1	NUMERIC UPS 30 KVA	1
2	12V BATTERIES	30

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

Course	Year	No. of Students			
		College	University	Govt.	Others
B.Sc. Computer Science	2014-2015	4	-	21	-
	2013-2014	21	-	20	-
	2012-2013	26	-	13	-
	2011-2012	22	-	5	-
	2010-2011	25	-	7	-
B.C.A.	2014-2015	1	-	22	-
	2013-2014	19	-	21	-
	2012-2013	15	-	15	-
	2011-2012	19	-	7	-
	2010-2011	17	-	4	-
M.Sc. Computer Science	2014-2015	16	-	2	-
	2013-2014	1	-	1	-
	2012-2013	5	-	3	-

## Sengunthar Arts and Science College, Tiruchengode

M.C.A.	2011-2012	6	-	3	-
	2010-2011	3	-	1	-
	2014-2015	18	-	1	-
	2013-2014	5	-	5	-
	2012-2013	20	-	5	-
	2011-2012	20	-	3	-
	2010-2011	3	-	1	-

### 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:

#### ACADEMIC YEAR 2009-2010

S.No.	Date	Event	Resource Person	Industry
1.	23.07.2009	Seminar on Web Technologies	Mr. Bharathiraj, Project Manager	Allwea Technologies, Coimbatore.
2.	07.08.2009	Seminar on Multimedia Technologies	Mr. John Batcha, Manager	Technologies of BSS Software, Chennai.
3.	20.08. 2009	Workshop on career planning and Project Development in general and special presentation on Embedded Technologies	Mr. Zafrullah, Director	Leading Software Technologies, Chennai.
4.	17.02. 2010.	Seminar in Virtual Reality	Mr. Arun Technical Head	Orange Multimedia, Chennai.
5.	01.03.2010	National Level Conference, SoftGlow'10, Advanced Trends in Information Technologies	Mr. Pascal R. Stephen, Mr. Dinesh K. Ramasamy,	IBM Chennai.

## Sengunthar Arts and Science College, Tiruchengode

### ACADEMIC YEAR 2010-2011

S.No.	Date	Event	Resource Person	Industry
1.	09.09.2010	Workshop-software Testing	Ms.Chethana	Mazenet, Chennai.
2.	17.09.2010	One day Seminar – Multimedia Design	Mr.Swamynathan, Countryhead	Image Infotainment, Chennai.
3.	05.10.10 to 09.10.10	Three days workshop on career guidance	Mr.Swamynathan, Countryhead	Image Infotainment, Chennai.

### ACADEMIC YEAR 2011-2012

Sl.No.	DATE	EVENT	RESOURCE PERSON	INDUSTRY
1.	20.07.2011	Importance of Yoga programme	Mr. Rangasamy	Vedhathiri maharishi manavalakalai mandram, Tiruchengode
2.	22.07.2011	Seminar on Multimedia	Mr.Karthick swaminathan	S2I Vector Animation Academy, Erode.
3.	25.07.2011	Guest Lecturer programme on Interview Techniques	Mr. C.Charankedar, HR Manager	Hewlett Packard, Chennai.
4.	04.08.2011	Career guidance programme	Mr. Venkatesh	ICICI Bank & Prulife(Prudential), Salem.
5.	09.09.2011	Seminar on “Choice is Yours”	Dr.S.Saravanakumar, Chief mentor	Principal’s academy of leadership, Salem
6.	05.01.2012	Seminar on Advanced Computing Technology	Faculties of Computer Science Department	Sengunthar Arts and Science College, Tiruchengode.
7.	11.01.2012	Seminar on “Career development in Animation”	Thiru.S.Prakash and Team members	Dream Zone, Chennai.
8.	06.02.2012	Seminar on “Multimedia and its Application”	Mr.R.Venkat and Team members	KB Techpoint IT services solution, Erode.
9.	28.02.2012	National Science Day celebration	Faculties of Computer Science Department	Sengunthar Arts and Science College,Tiruchengode.

## Sengunthar Arts and Science College, Tiruchengode

### ACADEMIC YEAR 2012-2013

Sl. No	Date	Event	Resource person	Industry
1.	21.06.2012	Seminar on "Career Opportunity in Software Industry"	Mr. M. Muthukarthikeyan, MD	Pearlsys, Chennai.
2.	21.08.2012	Workshop on " Dot Net programming"	Mr. S. Yogeswaran, Centre Head	SRM Infotech Computer Education, Tiruchengode.
3.	30.08.2012	Seminar on "Career Opportunity in IT Industry as Hardware and Network Engineer"	Mr. K.S. Vijaian, Branch Manager and Ms. D. Samyuksha, Linux trainer	Indiacan Education Pvt Ltd., Erode.
4.	06.09.2012	Soft Skills Training Programme	Ms. Rachael	Plumes organization, Salem.
5.	21.09.2012	Seminar on "Career development in IT field"	Mr. J. Prathap	Fenix Consultancy Services, Pondicherry.
6.	26.09.2012	Seminar on "Android Software"	Mr.Suresh and team members	eACT Technologies Pvt. Ltd., Coimbatore.
7.	04.10.2012	Seminar on "Open Sources Technologies"	Mr. Dineskumar and Mr. Kathiresan	Ascent Technologies Pvt. Ltd., Coimbatore.
8.	08.10.2012	Seminar on "DOT NET with SQL Server"	Mr. N.Selvakumar BE and G.Bharanidharan, Software developer	BlueChipTechnologies (P) Ltd., Namakkal.
9.	06.02.2013	Seminar On " Training on Hardware and Linux"	Mr.T.Sathishkannan Managing Director	NamusEmbedded Resources, Erode.
10.	05.03.2013	Softglow13 - National Conference on "Recent Trends In Information Technology presented the topic " The Art of Writing Research Articles" presented the topic " Systematic Approaches for Research"	Dr. T. Velmurugan Associate Professor  Dr. R. Periyasamy, Associate Professor	Department of Computer Science , D.G.Vaishnav College, Chennai. Department of Computer Science, Nehru Memorial College, Puthananmpatti.

## Sengunthar Arts and Science College, Tiruchengode

### ACADEMIC YEAR 2013-2014

Sl. No	Date	Event	Resource person	Industry
1	13.08.2013	Dot net programming – Seminar	Mr.S.Yogeswaran	MD, SRM infotech, Tiruchengode.
2	28.09.2013	Self confidence	Dr.Kavidasan	Director, Root industries, Coimbatore.
3.	11.12.2013 To 20.12.2013	Oracle SQL Traning programme	Ms. Vimal priya	Fibducia Infotech (p) Ltd., Chennai.collaboration with oracle university, USA.
4.	22.01.2014	Computer Hardware and IT careers	Mr.T.Sathiskannan	MD, Namus Embedded Resources, Erode.
5.	23.01.2014	Animation	Mr.K.S.Vijayan	MD, Institute of multimedia arts and graphics effect, Erode.
6.	27.01.2014	Networking	Mr.A.Jeeva	Director , CADD centre, Tiruchengode.
7.	14.02.2014 and 17.02.2014	Softglow' 14 events	Faculties of Computer Science Department	Sengunthar Arts and Science College, Tiruchengode.
8.	27.02.2014	Softglow' 14 – State level technical symposium	Faculties of Computer Science Department	Sengunthar Arts and Science College, Tiruchengode.

### PARTICIPATION OF OUR STUDENTS IN EXTERNAL EVENTS

Sl. No.	Date	Event	Organizers
1.	14.09.2013	Participated in MIRROR-13	Erode Arts and Science College, Erode.
2	20.09.2013	Participated in National level technical symposium	Periyar University, Salem.
3	30.09.2013 01.10.2013	Participated in National level workshop on Web development	NKR Govt Arts College for Women, Namakkal.
4	08.02.2014	Participated in Corporate Etiquette	Vysya College, Salem.
5	19.02.2014	Participated in Inter collegiate competition – CONTEZZA' 14	Jairam Arts and Science College, Salem.

## Sengunthar Arts and Science College, Tiruchengode

### ACADEMIC YEAR 2014-2015

Sl. No	Date	Event	Resource person	Industry
1	10.09.2014	Seminar on Android project development and Training	Mr.P.Arumugam	Software trainer, Pie-Cher Info tech, Erode.
2	26.09.2014	Seminar on Cloud Computing	Mr.S.Karthikeyan	Director, The rank network Academy, Erode.
3	08.10.2014	Seminar on education fair	Mr.G.suresh	Business development executive, eCygnus eLearning (P) Ltd., Chennai.
4	09.10.2014	Seminar on Windows Apps	Er.Srinivasan	IT specialist, Aptech Ltd., Chennai.
5	28.01.2015	Seminar on Android and its application	Mr.Karthick swaminathan	MD, S2I Info Tech., Erode.

### 33. Teaching methods adopted to improve student learning:

Teachers adopt a balanced teaching style to help more students learn effectively in a more flexible manner.

#### TEACHING METHOD

- The oral Method
- Textual exegesis (Example modeling analytical skills)
- Usage of Multimedia Technology (video/synchronization slide presentation)
- The participatory lecturing (Discussion, buzz groups and debates)
- Problem solving (Problem forms the focus for demonstration and generating various solutions)
- Arrangement of Industrial Visits every year
- Conducting test every month
- Periodical intimation of student's progress to parents
- Regular revision tests, Parents -teachers meeting
- Weak Students are identified and remedial coaching provided

### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Health camps
- Health awareness camps
- Blood donation camps
- Guidance for HSC students for better performance in public exams
- NSS, YRC and RRC
- Career guidance program organized to all UG students for the purpose of promoting them to higher studies
- Employment training programs are organized to PG students for getting jobs in government sector and IT sectors
- UGC NET and SET training program organized to PG students
- Computer training programs are organized to non-computer students and are encouraged them for using Internet Lab
- Motivation oriented programs are organized to PG students involving them to develop their research skills and communication skills

### **35. SWOC analysis of the department and Future plans**

#### **STRENGTH:**

The Department has got an outstanding infrastructure viz. laboratory, A/C Conference hall, sufficient number of class room well aerated, waiting hall for girls and boys, toilet and other facilities exclusively within the block.

There are 19 teaching faculty with each one in a specific specialization are guiding the students for academic skills and research motivation. Faculties are encouraged to participate for various training programmes offered by universities and other institutions to enhance their knowledge and skills.

Industry-Institution-Interaction (3I) concept is highly practiced by inviting industry experts to conduct seminars, workshops and conferences for the technical skills improvement of the students as well as teachers.

## Sengunthar Arts and Science College, Tiruchengode

---

Students, after college regular hours, are given ample time to utilize library for referring journals, books, and news magazines and allowed to utilize internet lab facilities, recreate in play grounds etc.

This enables them to improve their academic and technical skills, communication ability etc. as they come from mainly rural habitant area, mostly had their school and undergraduate degree in rural background.

There is an advisory committee for the statutory and non statutory committees make their significant contribution for the academic and administrative progress of the department.

### **WEAKNESS:**

The geographical area, though the environment is very congenial to teaching and learning paces down the access of internet.

Though the college prospers with all the strength of an institution of global standards, again, due to its geographical area of far away from the city has attracted only few international students.

Since most of the student entrants are agrarian based, partially agriculturalists themselves, with education in the medium of regional language till higher secondary level, they lack good communicative skills in English.

Most of the students are first graduates. Hence, the motivation level is very low.

### **OPPORTUNITIES:**

Student are given opportunities to pursue their research programmes, subsequently after a PG course, internships are being arranged according to the interest of the students in areas like coding, testing, designing and other career oriented aspects in both soft skills and technical aspects are provided by our own faculty as well as from corporate.

### **CHALLENGES:**

Though students are ready to learn and equip themselves with the global level, the language problem is a major one. Mushroom growth of colleges including engineering disciplines provides computer science course, leads students in a different mindset as if universities other than Anna varsity are up to the ranking. IT companies frequently update the technology



## Sengunthar Arts and Science College, Tiruchengode

---

standards and versions; the need of curriculum updation is a must. This becomes a barrier in getting students from nearby states. Also hardly ever a chance to have international students.

### **FUTURE PLAN:**

A plan to sign M.O.U with small and medium level IT's and IT sector and involve students to develop real-time project with their support in the campus itself.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. Name of the department : **ELECTRONICS AND COMMUNICATION**
2. Year of Establishment: 1991-1992
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S. No.	Course	Year of Affiliation
01	B.Sc. Electronics and Communication	1991-1992

#### 4. Names of Interdisciplinary courses and the departments/units involved

S. No.	Interdisciplinary Programmes and Departments
01	Tamil
02	English
03	B.Sc. Computer Science
04	B.Sc. Mathematics

#### 5. Annual/ semester/choice based credit system (programme wise):

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc. Electronics and Communication	Semester & CBCS

#### 6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject	Subject Name
01	II B.Sc. Mathematics	NMEC	Cellular phones
02	II B.Sc. Mathematics	NMEC	Satellite & cable TV
03	I B.Sc. Mathematics	ALLIED	Electronics-I
04	I B.Sc. Mathematics	ALLIED	Electronics-II
05	I B.Sc. Mathematics	PRACTICAL	Allied-Electronics Lab
06	II B.Sc. Computer Science	ALLIED	Applied Electronics-I

## Sengunthar Arts and Science College, Tiruchengode

07	II B.Sc. Computer Science	ALLIED	Applied Electronics-II
08	II B.Sc. Computer Science	PRACTICAL	Allied-Applied Electronics Lab
09	II BCA	ALLIED	Applied Electronics-I
10	II BCA	ALLIED	Applied Electronics-II
11	II BCA	PRACTICAL	Allied-Applied Electronics Lab
12	II B.Sc. Physics	ALLIED	Applied Electronics-I
13	II B.Sc. Physics	ALLIED	Applied Electronics-II
14	II B.Sc. Physics	PRACTICAL	Allied-Applied Electronics Lab

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts:

Designation	Sanctioned	Filled
Professor	-	-
Associate Professor	-	-
Assistant Professor	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.):

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
01	Mr.S.RAVIKUMAR	M.Sc., M.Phil., PGDCA.,M.E.	HOD cum Assistant Professor	Communication Engineering	21	NIL
02	Mr.C.DHANARAJAN	M.Sc., M.C.A., M.Phil., PGDCA.	Assistant Professor	Power Electronics	18	NIL
03	Mr.P.SARAVANAN	M.Sc., HDCA.	Assistant Professor	Embedded Technology	02	NIL

11. List of senior visiting faculty:

## Sengunthar Arts and Science College, Tiruchengode

S.No	Visiting Faculty
01	Mr.K.MUTHUKUMAR M.Sc., M.Phil.Assistant Professor, PG & Research department of Electronics, Erode Arts and Science college, Erode.
02	Mr.N.PRADEEP M.Sc., M.Phil. Assistant Professor,PG & Research department of Electronics,Erode Arts and Science college, Erode.

**12. Percentage of lectures delivered and practical classes handled (programme wise)  
By temporary faculty:**

There is no temporary faculty

**13. Student -Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.Sc. Electronics and Communication	20:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Particulars	Sanctioned	Filled
Academic support staff	01	01
Administrative staff	-	-

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**

Qualification	No. of Staff Members
Ph.D	-
M.Phil.	02
PG	01

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

Nil

## Sengunthar Arts and Science College, Tiruchengode

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

S.N O	Year	Title of the project	Guide	No. of Students	Fund/grant sreceived from Sengunthar Educationa l Trust(Rs)
1	2011-2012	Unmanned toll tax	Mr. S.Ravikumar	P.Siva K.Neethi	6000
2	2012-2013	LPG leakage detection and control	Mr.C.Dhanara jan	T.Srigururaja K. Boopalan	6000
3	2013-2014	Drunken and driven speed control	Mr. P.Saravanan	B. Meyyazhagan N. Kalaiyarasi	6000
4	2014-2015	PC Hardware and Assembling	Mr. S.Ravikumar	K. Aravind M. Perumal	6000

**18. Research Centre /facility recognized by the University:** Nil

**19. Publications:**

**g) Publication per faculty :**

S. No.	Name of the Faculty	Publications	
		National	International
01	Mr.S. Ravikumar	-	03

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students:** Nil

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..) :**Nil

**\* Monographs :** Nil

**\* Chapter in Books :** Nil

**\* Books Edited :** Nil

**\* Books with ISBN/ISSN Number :** Nil

**\* Citation Index :** Nil

**\* SNIP :** Nil

## Sengunthar Arts and Science College, Tiruchengode

---

\* **SJR** : Nil

\* **Impact Factor** : Nil

\* **H-Index** : Nil

### 20. Areas of consultancy and income generated:

Nil

### 21. Faculty as members in :

a) National Committees b) International Committees c) Editorial Boards....

S. No.	Name of the Faculty	University / College	Name of the Committee
01	Mr.S.Ravikumar	Periyar University	Chairman in Bos NSS Programme Officer (2009-2013) Chairman central valuation
02	Mr.S. Ravikumar	Bharathiyar Univesity Coimbatore	Member in Bos UG
03	Mr.S. Ravikumar	Selvamm Arts and Science College	Member in Bos UG
04	Mr.C. Dhanarajan	Periyar University	Member in Bos UG
05	Mr.P. Saravanan	Periyar University	NSS Programme officer 2013 - till now

### 22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental / programme:

S. No.	Course	Year	% of In-house Projects
01	B.Sc. Electronics and Communication	2010 – 2011	100
02		2011 – 2012	100
03		2012 – 2013	100
04		2013 – 2014	100
05		2014 - 2015	100

## Sengunthar Arts and Science College, Tiruchengode

- c) **Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies :**

S. No.	Course	Year	% of Projects in organizations outside the Institution
01	B.Sc. Electronics and Communication	2010 – 2011	-
02		2011 – 2012	-
03		2012 – 2013	-
04		2013 – 2014	-
05		2014 - 2015	-

**23. Awards / Recognitions received by faculty and students:**

**Awards and Recognitions by staff members :** Nil

**Awards and Recognitions by students :**

S. No.	Course	Awards	Recognition
01	B.Sc. Electronics and Communication	-	8 University Ranks

**24. List of eminent academicians and scientists / visitors to the department:**

Nil

**25. Seminars/ Conferences/Workshops organized & the source of funding :**

**Seminars :**

S.No	Date	Title	Source of Funding
01	27-01-2014	Networking and Communication	Sengunthar Educational Trust

**Workshop:**

S.No	Date	Title	Source of Funding
01	25-02-2015	PC Hardware and Assembling	Sengunthar Educational Trust

## Sengunthar Arts and Science College, Tiruchengode

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc Electronics and Communication	2007-2010	16	09	09	-	75.00%
	2008-2011	10	06	03	03	100%
	2009-2012	21	17	13	04	81.25%
	2010-2013	19	18	17	01	78.5%
	2011-2014	11	06	02	04	80.00%

\*M = Male \*F = Female

### 27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. Electronics and Communication	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? :Nil

### 29. Student progression:

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG	66	58.82	46.66	80
PG to M.Phil.	25	-	-	-
M.Phil., to Ph.D	-	-	-	-
PG to Ph.D	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed	-	-	-	-
Campus Selection	-	-	-	-
Other than Campus Selection	-	-	-	-
Entrepreneurship / Self Employment	33.33	41.17	53.33	20.0



**30. Details of Infrastructural facilities**

**a) Library:**

Common library is available

<b>Library</b>	<b>No. of Titles</b>	<b>No. of Volumes</b>	<b>No. of Journals &amp; Magazines</b>
General Library	364	579	09

**b) Internet facilities for Staff & Students:**

Common internet Lab in college premises is available.

**c) Class rooms with ICT facility:**

Common A/C conference hall with audio & visual facility is available.

**d) Laboratories:**

Separate Lab facility available for UG.

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

<b>Course</b>	<b>Year</b>	<b>No. of Students</b>			
		<b>College</b>	<b>University</b>	<b>Govt.</b>	<b>Others</b>
B.Sc. Electronics and Communication	2010 – 2011	-	-	-	-
	2011 – 2012	-	-	02	-
	2012 – 2013	02	-	04	-
	2013 – 2014	04	-	05	-
	2014 - 2015	04	-	03	-

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

S. No.	Date	Title	Source of Funding
01	27-01-2014	Seminar on Networking and Communication	Sengunthar Educational Trust
02	25-02-2015	Workshop on PC Hardware and Assembling	Sengunthar Educational Trust

**33. Teaching methods adopted to improve student learning:**

- Industrial Visits
- Snap test
- Using modern Teaching Aids, CD,OHP

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Guidance for HSC students for better performance in public exams, NSS, YRC, RRC

**35. SWOC analysis of the department and Future plans**

**Strength**

- Well experienced, qualified and energetic staff members
- Well-equipped and separate laboratory for UG students
- Good Infra-structure

**Weakness**

- Students communication skills have to be improved
- Lack of communication skills among students because of rural background

**Opportunities**

- It is a gateway of all PG courses
- It is eligible for all Government exam and IT field
- Excellent carrier opportunities through placement cell

**Challenges**

- Lack of communication skill among students remains a challenge in adopting themselves in jobs like marketing in other states

- Department sustainability

### **Future plans**

- To offer M.Sc and M.Phil. Courses
- To conduct coaching classes for TNPSC,RRB,BSNL and group exams
- To give extra coaching for communication skills
- To give instrumental handling training programmes
- To conduct national and International Seminar and Workshop .

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. Name of the department : **Physics**
2. Year of Establishment : 2004-2005
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

S. No.	Course	Year of Affiliation
01	B.Sc. Physics	2004-2005

4. **Names of Interdisciplinary courses and the departments/units involved:**

S. No.	Interdisciplinary Programmes and Departments
01	Tamil
02	English
03	B.Sc. Electronics and Communication
04	B.Sc. Mathematics
05	B.Sc. Computer Science

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc. Physics	Semester & CBCS

6. **Participation of the department in the courses offered by other departments:**

S. No.	Class	Subject	Subject Name
01	II B.Sc. Chemistry	ALLIED	Physics-I
03	II B.Sc. Chemistry	ALLIED	Physics-II
03	II B.Sc. Chemistry	PRACTICAL	Allied-Physics Lab

## Sengunthar Arts and Science College, Tiruchengode

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts :

Designation	Sanctioned	Filled
Professor	-	-
Associate Professor	-	-
Assistant Professor	01	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
01	Mrs. K.SATHYAPRIYA	M.Sc., M.Phil.	Assistant Professor	Solid State Physics	01	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise)  
By temporary faculty:

There is no temporary faculty

13. Student -Teacher Ratio (programme wise):

S. No.	Programme	Student – Teacher Ratio
01	B.Sc. Physics	20: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Particulars	Sanctioned	Filled
Academic support staff	01	01
Administrative staff	-	-

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:**

<b>Qualification</b>	<b>No. of Staff Members</b>
Ph.D	-
M.Phil.	01
PG	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: :Nil**

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : :Nil**

**18. Research Centre /facility recognized by the University:**

:Nil

**19. Publications:**

**h) Publication per faculty : Nil**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students :Nil**

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

**\* Monographs : Nil**

**\* Chapter in Books : Nil**

**\* Books Edited : Nil**

**\* Books with ISBN/ISSN Number : Nil**

**\* Citation Index : Nil**

**\* SNIP : Nil**

**\* SJR : Nil**

**\* Impact Factor : Nil**

**\* H-Index : Nil**

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards....**

Nil

**22. Student projects:**

**a) Percentage of students who have done in-house projects including inter departmental / programme:**

S. No.	Course	Year	% of In-house Projects
01	B.Sc. Physics	2014 - 2015	-

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies :**

S. No.	Course	Year	% of Projects in organizations outside the Institution
01	B.Sc. Physics	2014 - 2015	-

**23. Awards / Recognitions received by faculty and students:**

**Awards and Recognitions by staff members:**

Nil

**Awards and Recognitions by students:**

Nil

**24. List of eminent academicians and scientists / visitors to the department:**

Nil

**25. Seminars/ Conferences/Workshops organized & the source of funding :**

Nil

**26. Student profile programme/course wise:**

S.No	Course	Batch	Applications Received	Selected	Enrolled		Pass %
					M	F	
01	B.Sc. Physics	2014-2015	27	22	12	10	-

\*M = Male \*F = Female

## Sengunthar Arts and Science College, Tiruchengode

### 27. Diversity of Students

S.No	Course	% of students from the same state	% of students from other states	% of students from abroad
01	B.Sc. Physics	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil

### 29. Student progression:

Nil

### 30. Details of Infrastructural facilities:

#### a) Library:

Common library is available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	45	84	1

#### b) Internet facilities for Staff & Students:

Common internet Lab in college premises is available.

#### c) Class rooms with ICT facility:

Common A/C conference hall with audio & visual facility is available.

#### d) Laboratories:

Separate Lab facility available for UG

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

S.No	Course	Year	No. of Students			
			College	University	Govt.	Others
01	B.Sc. Physics	2014-2015	10	-	02	-



**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Nil

**33. Teaching methods adopted to improve student learning:**

- Industrial Visits
- Snap test
- Using modern Teaching Aids, CD, OHP

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Guidance for HSC students for better performance in public exams, NSS, YRC, RRC      **SWOC**
- analysis of the department and Future plans**

**Strength**

- Well experienced, qualified and energetic staff members
- Well-equipped and separate laboratory for UG students
- Good Infra-structure

**Weakness**

- Lack of communication skills among students

**Opportunities**

- It is a gateway of all PG courses.
- It is eligible for all Government exams
- Excellent carrier opportunities through placement cell

**Challenges**

- Lack of communication skill among students remains a challenge in adopting themselves in jobs like marketing in other states
- Department sustainability

**Future plans**

- To conduct coaching classes for TNPSC,RRB,BSNL and group exams
- To offer certificate course in spectroscopy
- To give instrumental handling training programmes

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. Name of the department : MATHEMATICS
2. Year of Establishment :  
UG 2002 – 2003  
PG 2014-2015
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

S. No.	Course	Year of Affiliation
01	B.Sc., Mathematics	2002-2003
02	M.Sc., Mathematics	2014-2015

4. Names of Interdisciplinary courses and the departments/units involved

S. No.	Interdisciplinary Programmes and Departments
01	Tamil
02	English
03	Physics
04	Electronics and communication
05	Computer Science

5. Annual/ semester/choice based credit system (programme wise):

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc., Mathematics	Semester & CBCS
02	M.Sc., Mathematics	Semester & CBCS

## Sengunthar Arts and Science College, Tiruchengode

**6. Participation of the department in the courses offered by other departments:**

S. No.	Class	Subject	Subject Name
01	B.Sc(Computer Science),B.C.A, B.Sc(Physics),B.Sc(Electronics and communication),B.Sc(Chemistry).	ALLIED	ALLIED-MATHEMATICS
02	B.Com,B.Com(CA), B.Sc (Microbiology),B.Sc(Biotechnology)	ALLIED	ALLIED-STATISTICS
03	MCA.,	ALLIED	Operations Research
04	M.Sc Computer Science.,	EDC	Statistical Methods

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil**

**8. Details of courses / programs discontinued (if any) with reasons: Nil**

**9. Number of Teaching posts**

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	--	--
Assistant Professor	12	12

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. R. JAGADEESAN	M.Sc., M.Phil.	Asst. Professor	STATISTICS	16	NIL
Mr. R. MURUGESAN	M.Sc.M.Phil.B.Ed.	Asst. Professor	GRAPH THEORY	10	NIL
Mr. P. RAJA	M.Sc., M.Phil.	Asst. Professor	TOPOLOGY	10	NIL

## Sengunthar Arts and Science College, Tiruchengode

Mrs. L. CHITRA	M.Sc., M.Phil.	Asst. Professor	REAL ANALYSIS	10	NIL
Miss. K. AMUTHA	M.Sc., B.Ed.	Asst. Professor	NUMERICAL ANALYSIS	3	NIL
Mrs. J. SUMATHY	M.Sc.,M.Phil., B.Ed.	Asst. Professor	ALGEBRA	2	NIL
Miss. S.ROSELINEMARY	M.Sc., B.Ed.	Asst. Professor	GRAPH THEORY	3	NIL
Mrs. .BHAGIYALAKSHMI	M.Sc., M.Phil.	Asst. Professor	STATISTICS	3	NIL
Mrs. S.DHANALAKSHMI	M.Sc.,M.Phil.	Asst. Professor	ALGEBRA	4	NIL
Mr. S.THIRUNAVUKKARASU	M.Sc.	Asst. Professor	DIFFERENTIAL EQUATIONS.	6 MONTHS	NIL
Mrs. G.RADHA	M.Sc.	Asst. Professor	CALCULUS	6 MONTHS	NIL
Miss. N.MAGESHWARI	M.Sc.	Asst. Professor	DIFFERENTIAL EQUATIONS	6 MONTHS	NIL

### 11. List of senior visiting faculty:

S.No	Visiting Faculty
01	Mr. K. MARIMUTHU ,Asst. Prof. Chettinad College of Eng & Tech, Karur.
02	Dr. S. SENTHILKUMAR Asst. Prof. Thiyagarajar College of Eng , Madurai.
03	Dr. V. SADHASIVAM Asst. Prof. Thiruvalluvar Govt. Arts College , Rasipuram.
04	Mr. R. RAMESH Asst. Prof. Aringnar Anna Govt. Arts College , Musiri.

### 12. Percentage of lectures delivered and practical classes handled (programme wise)

**By temporary faculty:** No temporary faculties.

### 3. Student -Teacher Ratio (programme wise):

S. No.	Programme	Student – Teacher Ratio
01	B.Sc., Mathematics	20 : 1
02	M.Sc., Mathematics	15:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Particulars	Sanctioned	Filled
Academic support staff	--	--
Administrative staff	--	--

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D.	--
M.Phil.	07
PG.	05

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil

**18. Research Centre /facility recognized by the University:**

Nil

**19. Publications:**

**i) Publication per faculty : Nil**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students.**

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc.)**

**\* Monographs : Nil**

**\* Chapter in Books : Nil**

**\* Books Edited : Nil**

**\* Books with ISBN/ISSN Number : Nil**

## Sengunthar Arts and Science College, Tiruchengode

* Citation Index	: Nil
* SNIP	: Nil
* SJR	: Nil
* Impact Factor	: Nil
* H-Index	: Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in:**

**a) National Committees b) International Committees c) Editorial Boards**

Nil

**22. Student projects:**

**a) Percentage of students who have done in-house projects including inter departmental / programme :**

Nil

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies :**

Nil

**23. Awards / Recognitions received by faculty and students:**

**(a) Awards and Recognitions by staff members:**

Nil

**(b) Awards and Recognitions by students:**

S.NO	Course	Awards	Recognition
1	B.Sc(MATHS)	University tournament	3 <sup>rd</sup> place
2	B.Sc(MATHS)	State power building	3 <sup>rd</sup>
3	B.Sc(MATHS)	Power lifting	2 <sup>nd</sup>
4	B.Sc(MATHS)	Tennis	3 <sup>rd</sup>
5	B.Sc(MATHS)	Long Jump	1 <sup>st</sup>
6	B.Sc(MATHS)	District Marathon	5 <sup>th</sup>
7	B.Sc(MATHS)	State Mini Marathon	9 <sup>th</sup>

## Sengunthar Arts and Science College, Tiruchengode

8	B.Sc(MATHS)	Basket Ball	1 <sup>st</sup>
9	B.Sc(MATHS)	Power Lifting	2 <sup>nd</sup>
10	B.Sc(MATHS)	Chess	2 <sup>nd</sup>

### 24. List of eminent academicians and scientists / visitors to the department

S. No.	Details of Eminent academicians and Scientists visited the Department
01	Mr. K. MARIMUTHU, Asst. Prof. Chettinad College of Eng & Tech, Karur.
02	Dr. S. SENTHILKUMAR, Asst. Prof. Thiyagarajar College of Eng , Madurai.
03	Dr. V. SADHASIVAM, Asst. Prof. Thiruvalluvar Govt. Arts College , Rasipuram.
04	Mr. R. RAMESH, Asst. Prof. Aringnar Anna Govt. Arts College , Musiri.

### 25. Seminars/ Conferences/Workshops organized & the source of funding

Seminars : Nil

Workshops : 2

Guest Lectures : 1

S.No	Date	Title	Source of Funding
1	04/08/2012	Workshop on “Learning Mathematics – A Proper approach”	Sengunthar Educational Trust.
2	12/07/2013	Workshop on “Mathematics in Real Life”	Sengunthar Educational Trust.
3	09/03/2015	Guest Lecture on “Fuzzy Mathematics”	Sengunthar Educational Trust.

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc.Mathematics	2007-2010	15	15	12	3	100
	2008-2011	16	16	08	08	85.7
	2009-2012	77	60	28	32	87.93

## Sengunthar Arts and Science College, Tiruchengode

	2010-2013	61	55	18	37	81.63
	2011-2014	48	43	22	21	81.57
M.Sc Mathematics	2014-2015	17	17	6	11	--

\*M = Male \*F = Female

### 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. Mathematics	100	Nil	Nil
M.Sc. Mathematics	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil

### 29. Student progression

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG	60	30	41.6	25
PG to M.Phil.,	--	--	--	--
M.Phil., to Ph.D.,	--	--	--	--
PG to Ph.D.,	--	--	--	--
Ph.D. to Post-Doctoral	--	--	--	--
Employed	--	--	--	--
Campus Selection	7.692	25.862	16.981	19
Other than Campus Selection	32.31	44.14	41.42	54
Entrepreneurship / Self Employment	--	--	--	--



**30. Details of Infrastructural facilities**

**a) Library:**

Common library and separate department library is available.

<b>Library</b>	<b>No. of Titles</b>	<b>No. of Volumes</b>	<b>No. of Journals &amp; Magazines</b>
General Library	712	1385	6
Department Library	53	53	-

**b) Internet facilities for Staff & Students:**

Common internet lab in our college premises is available.

**c) Class rooms with ICT facility:**

Common A/C conference hall with audio & visual facility is available.

**d) Laboratories:** Used for study inter disciplinary courses subject.

1. C

2.C++

3.Electronics

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

<b>Course</b>	<b>Year</b>	<b>No. of Students</b>			
		<b>College</b>	<b>University</b>	<b>Govt.</b>	<b>Others</b>
B.Sc. Mathematics					
	2013-2014	29	-	1	-
	2012-2013	12	-	8	-
	2011-2012	14	-	13	-
	2010-2011	16	-	8	-
M.Sc Mathematics	2014-2015	8	-	2	-

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

s.no	date	Title	Name of the Chief Guest
1	2.3.2012	Maths Quiz	Mr.K.Marimuthu,M.Sc.,M.Phil. Asst. Prof of Mathematics, Chettinad College of Eng and Tech, Karur.
2	4.8.2012	Workshop on “Learning Mathematics-A Proper Approch”	Dr.C.S.Senthilkumar,M.Sc,M.Phil,Ph.D. Asst. Prof of Mathematics, Thiyagarajar College of Eng, Madurai.
3	12.7.2013	Workshop on “Mathematics in Real Life”	Dr.V.Sadhasivam,M.Sc,M.Phil,Ph.D. Asst. Prof of Mathematics, Thiruvalluvar Govt Arts College, Rasipuram.
4.	09.03.2015	Guest lecture on Fuzzy mathematics	Mr. R. Ramesh, M.Sc., M.Phil., B.Ed. Assistant Professor of Mathematics, Arignar Anna Govt. Arts College, Musiri.

**33. Teaching methods adopted to improve student learning:**

- Industrial visits are arranged in every year.
- Every month monthly tests are conducted.
- Periodical intimation of student’s progress to parents.
- Weak student’s are identified and remedial coaching provided.
- Remedial classes for Slow learner.
- Conducting seminar on recent topics.
- Assignment for essential topics.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Health awareness camps.
- Blood donation camp.
- Participation in NSS, YRC, RRC.
- Tree plantation.

**35. SWOC analysis of the department and Future plans**

**Strength**

- Well talented and experienced faculty members.

**Weakness**

- Students communication skills have to be improved, since most of the students are from rural back ground.

**Opportunities**

- Mathematics is a gate way of all PG courses.
- Mathematics is useful for all Government Exams like TNPSC, UPSC, Bank Exams etc.
- Mathematics has a moral scope for Teaching services.

**Challenges**

- It is a Rural area based college, so it is a challenge to make a Mathematical skill-ful student.

**Future plans**

- To conduct coaching class for SET, NET, TNPSC, UPSC.
- To conduct state level ,National level seminars, workshops and special Lectures.
- To conduct inter college meet.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : Microbiology
2. **Year of Establishment** : 1993
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.Sc., Microbiology	1993 – 1994
02	M.Sc., Applied Microbiology	1998 – 1999
03	M.Phil., Microbiology	2003 – 2004
04	Ph.D., Microbiology	2003 – 2004

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Tamil
02	English
03	Biochemistry
04	Biostatistics
05	Computer Applications in Biology

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc., Microbiology	Semester & CBCS
02	M.Sc., Applied Microbiology	Semester & CBCS
03	M.Phil., Microbiology	Semester & CBCS
04	Ph.D., Microbiology	--

## Sengunthar Arts and Science College, Tiruchengode

### 6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject	Subject Name	Department offering the Course
01	II B.Sc Biotechnology	NMEC	Bioinstrumentation I	Microbiology
02	II B.SC Biotechnology	NMEC	Bioinstrumentation II	Microbiology
03	II M.Sc Biotechnology	EDC	Microbial Technology	Microbiology
04		EDC		

### 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

### 8. Details of courses/programmes discontinued (if any) with reasons: Nil

### 9. Number of teaching posts

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	02	02
Assistant Professor	04	04

### 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D/ M. Phil . students guided for the last 4 years
Dr. P. Venkatachalam	M.Sc.,M.Phil., Ph.D.,NET.,	Asso. Prof. & Head	Medical Microbiology, Soil & Agricultural Microbiology, Microbial Genetics & molecular Biology	15	2/2

## Sengunthar Arts and Science College, Tiruchengode

Hari Krishna Raj	M.Sc., M.Phil., D.MLT., DMM., PGDCA, Ph.D., SLET qualified	Asso. Prof.	Immunology & Immunotechnology, Environmental Microbiology, Advanced Biotechnology	16	0/16
Ashokkumar	M.Sc.,M.Phil., Ph.D.,	Asst. Prof.	Fermentation Technology, Industrial Microbiology, Medical Parasitology, Bioinstrumentation	05	2/2
P. Akila	M.Sc., M.Tech.,	Asst. Prof.	Biotechnology Bioinformatics		NIL
B. Anusuya	M.Sc., M.Phil.,	Asst. Prof.	General Microbiology, rDNA Technology		NIL
J. Famitha Akmal	M.Sc.,B.Ed.,	Asst. Prof.	Food and Dairy Microbiology		NIL

### 11. List of senior visiting faculty:

S. No.	Date	Guest Lectures
01	04.09.2014	Dr. G. Jayandharan Rao, Scientist and Associate Professor, Dept. of Hematology Christian Medical College, Vellore
02	28.02.2014	National seminar on Universal Panaroma in mastering Microbes Dr. Elango, Veterinary Medical College, Namakkal G. Selvakumar, Senior Scientist, IIHR, Bangalore
03	24.09.2013	Dr.S.Mohammad Ali, Dept of Biotech, Rajalakshmi Engineering College, Chennai
04	28.02.2013	Dr.V.Jaishankar, Dept of Chemistry, Presidency College, Chennai.
05	28.02.2013	S.Ramanathan, Athma foundation for Environmental Awareness, Salem.
06	05.09.2013	Dr.T.Viswanathan, Dept of Microbiology, N.K.R. Govt .Arts College for Women, Namakkal
07	2012	Dr.R.Rajendran, P.S.G.College, Coimbatore.
08	2012	Dr.C.Ramesh, Drug design, Tirupur.

## Sengunthar Arts and Science College, Tiruchengode

---

- 12. Percentage of lectures delivered and practical classes handled (programme wise)**  
**By temporary faculty:** No temporary faculties

- 13. Student -Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.Sc., Microbiology	20 : 1
02	M.Sc., Applied Microbiology	15 : 1
03	M.Phil., Microbiology	05 : 1
04	Ph.D., Microbiology	08 : 1

- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	02	02
Administrative staff	--	--

- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D.,	03
M.Phil.,	01
PG	02

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Funding Agency	Total Grants Received (2008 – 2010)
TNSCST	Rs.1,80,000/-

## Sengunthar Arts and Science College, Tiruchengode

S. No	Course M.Phil / M.Sc	Research Program carried out by	Guide name	Year	Title of the project	Fund /SET	Amount
1	M.Sc	P. Abirami	P.Ashokkumar	2014-2015	Antibacterial effect of medicinal plant <i>Leucas aspera</i> Linn	SET	5000
2	M.Sc	R. Sadagopan	P.Venkatachalam	2014-2015	Procreation of silver nanoparticles by using actinomycetes sp and its appraisal	SET	5000
3	M.Phil	S.Sriarthika	R. Harikrishnaraj	2013-2014	Epidemiological study of diabetes in erode using structural equation model	SET	5000
4	M.Phil	V.Viswapriya	P. Ashokkumar	2013-2014	Prevalence of ESBL producing uropathogens from UTI	SET	5000
5	M.Sc	M. Madhubala	P. Ashokkumar	2013-2014	Antibacterial activity of spices against <i>Listeria</i> sp	SET	5000



## Sengunthar Arts and Science College, Tiruchengode

6	M.Sc	J. Antony Anand Anbarason	P.Venkatachal am	2013- 2014	Assessing the Plastic degrading ability of bacteria isolated from polythene degrading soil sites	SET	5000
7	M.Phil	J. Muthukumar	P.Venkatachal am	2012- 2013	Assessing antilisterial compounds from Lactobacillus and Ocimum against Listeria	SET	5000
8.	M.Phil	B. Anusuya	P.Ashokkuma r	2012- 2013	Production of alkaline protease from Bacillus pumilus	SET	5000
9.	M.Sc	C. Prabakaran	N. Sudhakar	2012- 2013	Assessing antagonistic potential of bacteria and fungi against Listeria	SET	5000
10	M.Sc	C. Sathiskumar	P.Venkatachal am	2012- 2013	Alpha Amylase from <i>Halobacterium</i> sp	SET	5000

## Sengunthar Arts and Science College, Tiruchengode

11	M. Phil	R.Punitha	R. Harikrishnara aj	2011-2012	Thermophilic actinomycetes from banana compost	SET	5000
12	M. Phil	K.Sakthipriya	R. Harikrishnara aj	2011-2012	Bioenriched compost fro enhancing the growth of tomato	SET	5000
13	M.Sc	J. Rajmohan	C. Sureshkumar	2011-2012	Purification of Xylanase from Streptomyces	SET	5000
14	M.Sc	M. Prathaban	C. Sureshkumar	2011-2012	Production of xylanase by submerged fermentation	SET	5000

### 18. Research Centre /facility recognized by the University:

Department of Microbiology is Recognized as Research Centre in Microbiology, for M.Phil., (2003 – 2004) and Ph.D., (2003 – 2004) by Periyar University, Salem.

### 19. Publications:

#### j) Publication per faculty :

\* Number of papers published in peer reviewed journals (National / International) by faculty and students

S. No.	Name of the Faculty	Publications	
		National	International
01	Dr. P. Venkatachalam	--	07
02	Dr. R. Hari Krishna Raj	--	03
03	Dr. P. Ashok Kumar	--	07
04	Mrs. P. Akila	--	--
05	Mrs. B. Anusuya	--	01

## Sengunthar Arts and Science College, Tiruchengode

\* **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

S. No.	Name of the Faculty	Database
01	Dr. P. Venkatachalam	02

\* **Monographs** : NIL

\* **Chapter in Books** :

S. No.	Name of the Faculty	Chapter in Books
01	Dr. P. Venkatachalam	10
02	Dr. R. Hari Krishna Raj	10

\* **Books Edited** : NIL

\* **Books with ISBN/ISSN Number** : NIL

\* **Citation Index** : 0.06 (Dr. P. Venkatachalam)

\* **SNIP** : NIL

\* **SJR** : 0.13 & 0.129 (Dr. P. Venkatachalam)

\* **Impact Factor** : 2.06 & 0.45 (Dr. P. Venkatachalam)

\* **H-Index** : 10 (Dr. P. Venkatachalam)

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards....**

S. No.	Name of the Faculty	Member in	Name of the Committee
01	Dr. P. Venkatachalam	Reviewer	Indian Journal of Microbiology
02	Dr. P. Ashokkumar	Editorial Board	International Journal of Academic & Industrial Research

**22. Student projects**

**a) Percentage of students who have done in-house projects including inter departmental / programme**

S. No.	Course	Year	% of In-house Projects
01	M.Sc. Applied Microbiology	2014 – 2015	100
02		2013 – 2014	100
03		2012 – 2013	14.3
04		2011 – 2012	9.5
05	M.Phil., Microbiology	2014 – 2015	100
06		2013 – 2014	100
07		2012 – 2013	100
08		2011 – 2012	100
09	Ph.D., in Microbiology	--	87.5

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies**

S. No.	Course	Year	% of Projects in organizations outside the Institution
01	M.Sc. Applied Microbiology	2014 – 2015	Nil
02		2013 – 2014	Nil
03		2012 – 2013	85.7
04		2011 – 2012	90.5
05	M.Phil., Microbiology	2014 – 2015	Nil
06		2013 – 2014	Nil
07		2012 – 2013	Nil
08		2011 – 2012	Nil
09	Ph.D., in Microbiology	--	12.5

## Sengunthar Arts and Science College, Tiruchengode

### 23. Awards / Recognitions received by faculty and students

#### Awards and Recognitions by staff members

S. No.	Name of the Staff	Fellowship	Project Title
01	Dr. N. Sudhakar	IUSSTF – Indo-US Science & Technology	Advanced Research in the area of Molecular Plant – Microbe Interaction in Laboratory of Prof. Sheng Yang He, DOE-PRL, Michingan State University, USA
02	Dr. R. Hari Krishna Raj	Cultural Interchange Programme through rotary club	30 days visit to Australia
03	Dr. S. Arumugam	Cultural Interchange Programme through rotary club	30 days visit to America

#### Awards and Recognitions by students

The department has secured 11 university gold medals and produced 74 university ranks till date. The achievements for the past four years is listed below.

Year	M. Phil		M.Sc		B.Sc	
	Rank	Medals	Rank	Medals	Rank	Medals
2014	1	-	3	1	1	-
2013	3	-	4	-	2	-
2012	3	-	2	-	-	-
2011	Nil	-	Nil	-	1	-

S. No.	Course	Name of the Student	Award
01	M.Sc. Applied Micro.	Mr. M. Prathaban	Sir C.V. Raman Awards from the hands of Dr.A.P.J. Abdul Kalam

### 24. List of eminent academicians and scientists / visitors to the department

S. No.	Details of Eminent academicians and Scientists visited the Department
01	Dr.S.Mohammad Ali, Dept of Biotech, Rajalakshmi Engineering College, Chennai
02	Dr.V.Jaishankar, Dept of Chemistry, Presidency College, Chennai.
03	S.Ramanathan, Athma foundation for Environmental Awareness, Salem.
04	Dr.T.Viswanathan, Dept of Microbiology, N.K.R. Govt .Arts College for Women, Namakkal

## Sengunthar Arts and Science College, Tiruchengode

05	Dr.R.Rajendran, P.S.G.College, Coimbatore.
06	Dr.C.Ramesh, Drug design, Tirupur.
07	Dr. R.Jayapal, Senior Scientist, TNSCST, Chennai
08	Dr. S.Vincent, Senior Scientist, TNSCST, Chennai
09	Prof.P.B.Kavikishore,Dept.of Genetics, Osmania university,Hyderabad-500 007.
10	Prof.M.Ramanadhan,Dept of Biochem, university of Hyderabad,Hyderabad.
11	Dr.Y.Udaya Bhaskara Rao, Dept Director, Pasteur Institute of India,Coonoor,Nilgiris-643103.
12	Dr.Desiraju.N.Rao, IISC, Bangalore-560012.
13	Dr.Ram Rajaseharan, Dept of Biochem, IISC, Bangalore.
14	Dr.Padma Krishnan, Head of the dept of Microbiology, Ehrlich Laboratory, Kanchipuram-631561.
15	Dr.G.A.Ravishankar CCMB Hyderabad
16	Dr.N.Barathi
17	Dr.P.N.Rangarajan
18	Dr.K.Sekar
19	Dr.Hussain Munnavur, Dept of Molecular Biology, MKU
20	Dr.Waheeta Hopper.
21	Dr.P.Ravichandran, Asst.Prof,Sri Paramakalyani Centre for Environmental Sciences, M.S.University, Tirunelveli.
22	Dr.R.Selvam,Coordinator,PG Dept of molecular Biological Science, Bishopheber college,Trichy.
23	Dr.R.Viswanathan,Principal Scientist, Sugarcane breeding Institute,ICAR,Coimbatore.
24	Dr.B.Nagarajan-Scientist-E,Institute of Forest Genetics & Tree Breeding,Coimbatore.
25	Dr. Pushpanthagan, Director, NCBRI, Lucknow
26	Dr. L. V. Venkataraman, Scientist, CFTRI, Mysore

## Sengunthar Arts and Science College, Tiruchengode

### 25. Seminars/ Conferences/Workshops organized & the source of funding

#### Seminars

S. No.	Date	Title	Source of Funding
01	21.02.2002 & 22.02.2002	National Seminar on Microbes in Peace and War	Sengunthar Education Trust
02	19.12.2003 & 20.12.2003	The Golden Jubilee Year of DNA	Sengunthar Education Trust
03	19.02.2010	Vistas in Plant and Microbial Biotechnology	TNSCST, Chennai & TNSCST New Delhi
04	28.02.2014	National Seminar on Universal Panorama in Mastering of Microbes	TNSCST, Chennai

#### Workshops

S. No.	Date	Title	Source of Funding
01	13.10.2001	Workshop on Applied Microbiology	Sengunthar Education Trust
02	16.05.2003 to 30.05.2003	1 <sup>st</sup> All India Summer Research Training	Sengunthar Education Trust
03	16.05.2004 to 30.05.2004	2 <sup>nd</sup> All India Summer Research Training	Sengunthar Education Trust
04	16.05.2005 to 30.05.2005	3 <sup>rd</sup> All India Summer Research Training	Sengunthar Education Trust
05	16.05.2006 to 30.05.2006	4 <sup>th</sup> All India Summer Research Training	TNSCST, Chennai
06	16.05.2007 to 30.05.2007	5 <sup>th</sup> All India Summer Research Training	TNSCST, Chennai
07	24.10.2007 to 27.10.2007	In-Service Training of Secondary Grade	TNSCST, Chennai
08	19.05.2008 to 02.06.2008	6 <sup>th</sup> All India Summer Research Training	Sengunthar Education Trust
09	20.12.2010 to 24.12.2010	In-Service Training for Secondary Grade	TNSCST, Chennai
10	23.05.2011 to 01.06.2011	7 <sup>th</sup> All India Summer Research Training	TNSCST, Chennai
11	24.02.2011 & 25.02.2011	Workshop on Agri Biotechnology for Sustainable Agriculture and Healthy Environment	Ministry of Environment & Forests, Govt. of India, New Delhi
12	14.02.2011 to 18.02.2011	Food Preservation	Ministry of Food and Nutrition, Govt. of India, New Delhi
13	23.05.2012 to 01.06.2012	8 <sup>th</sup> All India Summer Research Training	TNSCST, Chennai

## Sengunthar Arts and Science College, Tiruchengode

### Guest Lectures

S. No.	Date	Guest Lectures
01	04.09.2014	Dr. G. Jayandharan Rao, Scientist and Associate Professor, Dept. of Hematology Christian Medical College, Vellore
02	28.02.2014	National seminar on Universal Panaroma in mastering Microbes Dr. Elango, Veterinary Medical College, Namakkal G. Selvakumar, Senior Scientist, IIHR, Bangalore
03	24.09.2013	Dr.S.Mohamad Ali, Dept of Biotech, Rajalakshmi Engineering College, Chennai
04	28.02.2013	Dr.V.Jaishankar, Dept of Chemistry, Presidency College, Chennai.
05	28.02.2013	S.Ramanathan, Athma foundation for Environmental Awareness, Salem.
06	05.09.2013	Dr.T.Viswanathan, Dept of Microbiology, N.K.R. Govt .Arts College for Women, Namakkal
07	2012	Dr.R.Rajendran, P.S.G.College, Coimbatore.
08	2012	Dr.C.Ramesh, Drug design, Tirupur.

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc. Microbiology	2007-2010	18	12	10	02	100
	2008-2011	12	06	06	-	100
	2009-2012	21	13	08	08	92.3
	2010-2013	32	23	09	14	100
	2011-2014	20	14	11	3	100
M.Sc. Applied Microbiology	2008-2010	55	49	23	26	100
	2009-2011	25	17	12	05	94.1
	2010-2012	27	21	20	01	100
	2011-2013	19	14	09	05	100
	2012-2014	21	14	10	04	100
M.Phil.,	2008-2009	13	07	03	04	100



## Sengunthar Arts and Science College, Tiruchengode

Microbiology	2009-2010	07	03	-	03	100
	2010-2011	11	06	02	04	100
	2011-2012	05	03	-	03	100
	2012- 2013	5	3	-	3	100
Ph.D., in Microbiology	2003-2014	12	10	05	05	100

\*M = Male \*F = Female

### 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. Microbiology	98.6	01.4	Nil
M.Sc. Applied Microbiology	74.3	23.6	02.1
M.Phil., Microbiology	100	Nil	Nil
Ph.D., Microbiology	100	Nil	Nil

### 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

M.Sc Applied Microbiology Student M.Prathaban (2010-2012) has cleared National Eligibility Test, 2014.

### 29. Student progression

Student Progression	Against % enrolled							
	2011		2012		2013		2014	
	UG	PG	UG	PG	UG	PG	UG	PG
UG to PG	-	5	-	4	-		-	4
PG to M.Phil.,	--				-	1	-	
M.Phil., to Ph.D.,	-		-		-		-	
PG to Ph.D.,	--		-		-		-	
Ph.D. to Post-Doctoral	--							
Employed								

## Sengunthar Arts and Science College, Tiruchengode

Campus Selection	-	17	54	4	74	49	43	96
Other than Campus Selection	83	66	31	43	22	36	50	-
Entrepreneurship / Self Employment	17	12	15	49	04	14	07	-

### 30. Details of Infrastructural facilities

#### a) Library:

Common library and separate department library is available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	-	-	31
Departmental Library	625	856	-

#### b) Internet facilities for Staff & Students:

Common internet lab in college premises is available.

#### c) Class rooms with ICT facility:

Separate A/C conference hall with audio & visual facility is available.

#### d) Laboratories:

Separate lab facilities available for UG, PG, M.Phil and Ph.D. Programmes in Microbiology

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

- Ms. P.Tamilselvi - Ph.D., Microbiology scholar – 2008 – 2013, received Rs.1,80,000/- from TNSCST.

Course	Year	No. of Students			
		College	University	Govt.	Others
B.Sc. Microbiology	2014-2015	-	-	1	6
	2013-2014	-	-	5	28
	2012-2013	-	-	7	20
	2011-2012	-	-	3	18
	2010-2011	-	-	2	17

## Sengunthar Arts and Science College, Tiruchengode

---

M.Sc. Applied Microbiology	2014-2015	10	-	-	-
	2013-2014	5	-	3	-
	2012-2013	5	-	3	--
	2011-2012	2	--	4	-
	2010-2011	1	-	4	-
M.Phil., Microbiology	2014-2015	-	-	-	-
	2013-2014	2	--	-	--
	2012-2013	2	-	-	-
	2011-2012	2	-	-	-
	2010-2011	-	--	-	-
Ph.D., in Microbiology	2003-2014		-	-	-

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:** Vide answer for Question No.25

**33. Teaching methods adopted to improve student learning:**

- Regular revision test, Parents teachers meeting,
- Periodical intimation of student progress to parents,
- Industrial visits for every student,
- Weak Students are identified and remedial coaching provided.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Health camps,
- Health awareness camps,
- Blood donation camp,
- Screening of blood groups,
- School teachers training, Women self – help groups,
- Guidance for HSC students for better performance in public exams, NSS, NCC, YRC, RRC

**35. SWOC analysis of the department and Future plans**

**Strength**

- Well talented and experienced faculty members
- Well-equipped and separate laboratory for UG, PG and Research students

**Weakness**

- Students communication skills have to be improved

**Opportunities**

- Research Activities
- Job opportunities in Research and Developmental areas
- Can receive funds from NGOs for research activities

**Challenges**

- Research Activities
- Job opportunities in Research and Developmental areas

**Future plans**

To create recognition globally, to produce publications in leading international journals with high impact factor and citation index, Collaboration and MOU with foreign Universities

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : Biotechnology
2. **Year of Establishment** : 2003
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.Sc., Biotechnology	2003 – 2004
02	M.Sc., Biotechnology	2003 – 2004
03	M.Phil., Biotechnology	2008 – 2009

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Biochemistry
02	Biostatistics
03	Computer Applications in Biology
04	Microbiology

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc., Biotechnology	Semester & CBCS
02	M.Sc., Biotechnology	Semester & CBCS
03	M.Phil., Biotechnology	Semester & CBCS

## Sengunthar Arts and Science College, Tiruchengode

### 6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject	Subject Name	Department offering the Course
01	B.Sc., Biotechnology	NMEC	Bioinstrumentation I	Microbiology
02	B.Sc., Biotechnology	NMEC	Bioinstrumentation II	Microbiology
03	M.Sc., Biotechnology	EDC	Microbial Technology	Microbiology

### 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

### 8. Details of courses/programmes discontinued (if any) with reasons: Nil

### 9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	--	--
Assistant Professor	06	06

### 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of M.Phil. students guided for the last 4 years
Mr.J.Senthilmanickam	M.Sc.,M.Phil., (SET)	Asst. Professor	Animal Biotechnology, Plant Biotechnology, Genetic Engineering	8 years	Four
Mr.D.Suresh	M.Sc.,M.Phil.,	Asst. Professor	Microbial technology, Bioprocess Technology, Immunotechnology	15 years	Three
Miss.S.Saranyadevi	M.Sc.,M.Phil., (SET)	Asst. Professor	Plant Molecular biology, Molecular biology,	4 years	Four

## Sengunthar Arts and Science College, Tiruchengode

---

			rDNA technology		
Miss.R.Rajarajeshwari	M.Sc.,M.Phil.,	Asst. Professor	Plant Biotechnology, Cell and Molecular Biology, Food Biotechnology	3 years	Nil
Mr.S.Sudhakar	M.Sc.,M.Phil.,	Asst. Professor	Genetics, Plant biotechnology, Cell and Molecular biology Enzymology	8years	Nil
Dr. Mythili Gnanamangai.B	M.Sc., Ph.D.	Asst. Professor	Nanotechnology, Microbial technology, rDNA technology	8 months, 25 days	Nil

### 11. List of senior visiting faculty:

S.No	Senior visiting faculty	Designation & Address
1	<b>Dr.P.Ravichandran</b>	Associate Prof, SPKCES, MS University,Tirunelveli.
2	<b>Dr.Selvam</b>	Coordinator PG Department Molecular Biological Science, Bishop Heper College, Tiruchirappali.
3	<b>Dr.R.Vishwanathan</b>	Principal Scientist, Sugarcane Breeding Institute, ICAR,Coimbatore.
4	<b>Dr.B.Nagarajan</b>	Scientist E, Institute of Forest Genetics & Tree Breeding,Coimbatore.
5	<b>Dr.Selvam</b>	Coordinator PG Department of Molecular Biological Science, Bishop Heper College, Tiruchirappali.



**12. Percentage of lectures delivered and practical classes handled (programme wise)**

**By temporary faculty:**

6	<b>Dr.P.Perumal</b>	Professor & Head,Department of Biotechnology,Periyar University, Salem.
7	<b>Dr.M.Govindaraju</b>	Professor,Department of Ecobiotechnology, Bharathidasan University,Tirchirappalli.
8	<b>Dr.R.Jayakumararaj</b>	Head,Department of Botany, Raja Doraisingam Govt.Arts College, Sivagangai.
9	<b>Mr.A.Bharath Raman</b>	Agro Bio Care, Dharmapuri.
10	<b>Dr.S.Kannan</b>	Professor in Zoology,Bharathiar University, Coimbatore.
11	<b>Mr.Sivasamy</b>	Sakthi Organic Farm,Madurai.
12	<b>Dr.S.Vincent</b>	Member Secretary,TNSCST,Chennai.
13	<b>Dr.Samuel Asir Raj</b>	Associate Professor, Department of Sociology,MS University,Tirunelveli.
14	<b>Dr.P.Venkatachalam,</b>	Associate Professor,Department of Biotechnology,Periyar University, Salem.
15	<b>Dr.P.Chelizian</b>	Assistant Manager,Department of Plantation,TNPL, Karur.
16	<b>Mr. S. Sivamani</b>	Assistant Professor,Department of Biotechnology,Kumaraguru College of Technology, Coimbatore.
17	<b>Dr. A. Murugan</b>	Associate Professor, Department of Microbiology, Periyar University, Salem.
18	<b>Mr. M.Vivek</b>	Founder, Remura Biologicals, Krishnagiri.

No Temporary faculties in our department.

**13. Student -Teacher Ratio (programme wise):**

<b>S. No.</b>	<b>Programme</b>	<b>Student – Teacher Ratio</b>
01	B.Sc., Biotechnology	20 : 1
02	M.Sc., Biotechnology	15 : 1
03	M.Phil., Biotechnology	05 : 1

## Sengunthar Arts and Science College, Tiruchengode

### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Particulars	Sanctioned	Filled
Academic support staff	02	02
Administrative staff	--	--

### 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Staff Members
Ph.D.	01
M.Phil.,	05
PG	--

### 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

### 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Year	Student Name	Title of the Project	Supervisor	Funding Agency	Grants Received (Rs)
2013-15	L.Padmapriya	Callus induction & invitro propagation of <i>Hypanthus enneaspermus</i> (L).F. Muell	Mr.S.Sudhakar	SET	5000/-
	V.Krishnan	Fluoride content in ground water of Tiruchengode Taluk and removal of fluoride using neem leaf as biosorbent	Mr.D.Suresh	SET	5000/-
2012-2014	G.Venkatesan	Optimization, Production, purification of an extracellular dextran sucrose from <i>pediococcus Pentosaceus</i>	Miss.R.Rajarajeshwari	SET	5000/-
	P.Sridhar	Isolation & Screening of Antibiotic producing Actinomycetes from certain Districts of Tamilnadu	Mr.D.Suresh	SET	5000/-

## Sengunthar Arts and Science College, Tiruchengode

2011-2013	M.Sabarieswaran	Extraction and purification of Phloem specific protein from <i>Canavalia gladiata</i> (JACQ) DC.	Mr.D.Suresh	SET	5000/-
	K.Ramaraj	Study on effect of cellular radiation on brain protein expression of chick embryo	Mr.J.Senthilmanickam	SET	5000/-
2010-2012	A.Annadurai	Studies on determination and utilization of complete natural dyes on cotton fabrics	Dr.M.G.Ebbie	SET	5000/-
	K.P.Samath Kumar	Studies on callus culture and identification of phytochemicals in an endangered medicinal plant <i>Jatropha maheshwari</i> Subram and Nayar.	Dr.M.G.Ebbie	TNSCST	6,000/-
2009-2011	P.Sathish	Production and optimization of Lipase from <i>Bacillus subtilis</i>	Mr.D.Suresh	SET	5000/-
	A.Thirunavukkarasu	Determination of Gossypol content in <i>Thespesia</i> species and their antimicrobial activities	Mr.K.Samathkumar	SET	5000/-
	S.M.Siva	Genotoxic studies of Antidiabetic powder Extracts of Market Samples on <i>Allium cepa</i>	Dr.M.G.Ebbie	TNSCST	6,000/-

(SET : SENGUNTHAR EDUCATIONAL TRUST )

### 18. Research Centre /facility recognized by the University:

Department of Biotechnology is Recognized as Research Centre in Biotechnology, for M.Phil., (2008 – 2009).

### 19. Publications:

k) Publication per faculty :

\* Number of papers published in peer reviewed journals (National / International) by faculty and students

S. No.	Name of the Faculty	Publications	
		National	International
01	Mr.J.Senthilmanickam	02	01
02	Mr.D.Suresh	03	06

## Sengunthar Arts and Science College, Tiruchengode

03	Ms.S.Saranyadevi	--	01
04	Ms.R.Rajarajeshwari	--	01
05	Mr.S.Sudhakar	--	01
06	Dr.B.Mythili Gnanamangai	03	04

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

**\* Chapter in Books :**

S. No.	Name of the Faculty	Chapter in Books
01	Mr.J.Senthilmanickam	04
02	Mr.D.Suresh	03
03	Ms.S.Saranyadevi	02

**20. Areas of consultancy and income generated:**

S.No	Area of consultancy	Income generated (Rs)
1	National level Seminar on Vista's in plant and Microbial Technology	70,930/-
2	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	20,000/-
3	Inservice Training for Secondary Grade Teachers for Namakkal District	50,000/-
4	A Short term Training on Plant Tissue Culture-A Holistic Approach	47,500/-
5	All India Summer Research Training Programme on Molecular Techniques	1,50,000/-

## Sengunthar Arts and Science College, Tiruchengode

### 21. Faculty as members in

a) National Committees b) International Committees c) Editorial Boards....

S. No.	Name of the Faculty	Member in	Name of the Committee
01	Mr.D.Suresh	Reviewer	International Journal of Pharma and Biosciences
		Chairperson for Question paper setter	PSG Arts and Science College, Coimbatore.

### 22. Student projects

a) Percentage of students who have done in-house projects including inter departmental / programme

S. No.	Course	Year	% of In-house Projects
01	M.Sc., Biotechnology	2014 – 2015	50%
02		2013 – 2014	92%
03		2012 – 2013	75%
04		2011 – 2012	15%
05	M.Phil., Biotechnology	2014 – 2015	100%
06		2013 – 2014	100%
07		2012 – 2013	100%
08		2011 – 2012	100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies

S. No.	Course	Year	% of Projects in organizations outside the Institution
01	M.Sc., Biotechnology	2014 – 2015	50%
02		2013 – 2014	25%
03		2012 – 2013	80%
04		2011 – 2012	62%
05	M.Phil., Biotechnology	2014 – 2015	NIL

## Sengunthar Arts and Science College, Tiruchengode

06		2013 – 2014	NIL
07		2012 – 2013	NIL
08		2011 – 2012	NIL

### 23. Awards / Recognitions received by faculty and students

#### Awards and Recognitions by staff members

S. No.	Name of the Staff	Fellowship	Workshop/ Project Title
01	Mr.J.Senthilmanickam	Got selected for National workshop on Microbial diversity – DNA to database conducted by Alagappa University, Karaikudi.	National workshop on Microbial diversity – DNA to database
		Got selected for National workshop on techniques in Animal cell culture and in vitro toxicology conducted by Bharathidsan University, Tiruchirappalli.	National workshop on techniques in Animal cell culture and in vitro toxicology
02	D.Suresh	Got selected for DBT sponsored Short term training course in Bioprocessing in Biotechnology, conducted by Kumuraguru College of Technology, Coimbatore.	Bioprocessing in Biotechnology
		Got selected for Science Academies Summer Research fellowship programme 2013, conducted by Indian Science Academy. 20,000/ fellowship received from Indian Science Academy.	<b>RAPD</b> analysis of different sexes of <i>Simarouba glauca</i> DC.

## Sengunthar Arts and Science College, Tiruchengode

### Awards and Recognitions by students

Course	Awards	Recognitions
B.Sc., Biotechnology	2 University Gold Medals	6 University Ranks
M.Sc., Biotechnology	1 University Gold Medal	10 University Ranks
M.Phil.,Biotechnology	1 University Gold Medal	6 University Ranks

S.No	Year	Name of the sport event	Awards	level
1	2009-2010	Weight lifting	Silver medal	University Level
2	2009-2010	Boxing	Silver medal	University Level
3	2010-2011	Weight lifting	Gold medal	State Level

S.No	Date	Event	Place / Organizer	Name of the Participants	Prizes Won
1	1.2.13	Essay writing	Tamil ValarchiKalakam	Mohankumar .A	Rs 7000/.
2	16.2.13	Oratorical	Tamil ValarchiKalakam	Mohankumar .A	III
3	1.2.13	Oratorical	SanthalingaAdigalar Arts & Science College, Coimbatore.	Mohankumar .A	I (Rs 500)
4	8.9.13	Oratorical	SanthalingaAdigalar Arts & Science College, Coimbatore	Mohankumar .A	Consolation
5	18.8.13	Essay	Salem MuthamilManram	Mohankumar .A	I (Rs 500)
6	24.8.13	Oral	Salem MuthamilManram	Mohankumar .A Sasikumar . P	III (Rs 2000/.) Rs 1500/.(Consolation)
7	27.8.13	District Level Oral	SanthalingaAdigalar Arts & Science College,Coimbatore.	Mohankumar .A	I (Rs 500)

## Sengunthar Arts and Science College, Tiruchengode

### 24. List of eminent academicians and scientists / visitors to the department

S.No	Eminent academicians and scientists
1	<b>Dr.P.Ravichandran</b> , Associate Prof,SPKCES, MS University,Tirunelveli.
2	<b>Dr.Selvam</b> , Coordinator PG Department Molecular Biological Science,Bishop Heper College,Tiruchirappali.
3	<b>Dr.R.Vishwanathan</b> ,Principal Scientist,Sugarcane Breeding Institute,ICAR, Coimbatore.
4	<b>Dr.B.Nagarajan</b> , Scientist E, Institute of Forest Genetics& Tree Breeding,Coimbatore.
5	<b>Dr.P.Perumal</b> , Professor & Head,Department of Biotechnology,Periyar University, Salem.
6	<b>Dr.M.Govindaraju</b> ,Professor,Department of Ecobiotechnology,Bharathidasan University,Tiruchirappalli.
7	<b>Dr.R.Jayakumararaj</b> ,Head,Department of Botany,Raja Doraisingam Govt.Arts College,Sivagangai.
8	<b>Mr.A.Bharath Raman</b> ,Agro Bio Care, Dharmapuri.
9	<b>Dr.S.Kannan</b> ,Professor in Zoology,Bharathiar University,Coimbatore.
10	<b>Dr.Samuel Asir Raj</b> ,Associate Professor,Department of Sociology,MS University,Tirunelveli.
11	<b>Dr.S.Vincent</b> ,Member Secretary,TNSCST,Chennai.
12	<b>Dr.P.Venkatachalam</b> , Associate Professor,Department of Biotechnology, Periyar University,Salem.
13	<b>Dr.P.Chelizian</b> ,Assistant Manager,Department Plantation,TNPL, Karur.
14	<b>Mr. S. Sivamani</b> , Assistant Professor,Department of Biotechnology, Kumaraguru College of Technology, Coimbatore.
15	<b>Dr.A. Murugan</b> ,Associate Professor, Department of Microbiology, Periyar University, Salem.
16	<b>Mr. M.Vivek</b> Founder, Remura Biologicals, Krishnagiri.

### 25.Seminars/ Conferences/Workshops organized & the source of funding

#### Seminars

S. No	Year	Seminar/conferences/ Workshops	Source of Fundings	Level
1	16.05.2006 to 30.05.2006	4 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai &NCSTC,New Delhi.	National
2	16.05.2007 to 30.05.2007	5 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai &NCSTC,New Delhi.	National
		Inservice Training for Secondary	TNSCST,Chennai.	National



## Sengunthar Arts and Science College, Tiruchengode

---

	24.10.2007 to 27.10.2007	Grade Teachers for Namakkal District		
3	19.05.2008 to 02.06.2008	6 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	SET, Tiruchengode.	National
4	19.02.2010	National level Seminar on Vista's in plant and Microbial Technology	Tamilnadu State Council For Science and Technology, Govt of Tamilnadu.	National
	20.12.2010 to 24.12.2010	Inservice Training for Secondary Grade Teachers for Namakkal District	TNSCST, Chennai.	National
5	5 <sup>th</sup> - 7 <sup>th</sup> .09.2011	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	Govt. Museum, Chennai.	National
	23.05.2011 to 01.06.2011	7 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	TNSCST, Chennai.	
	24.02.2011 & 25.02.2011	Workshop on Agribiotechnology for Sustainable Agriculture and Health Environment	Ministry of Environment and Forestry, New Delhi.	National

## Sengunthar Arts and Science College, Tiruchengode

6	23.02.2011	National symposium on Global Warming and Environmental Protection through Biotechnology	CSIR, Govt.of India, NewDelhi.  CSIR,Govt. of India,NewDelhi.  SET, CSIR,Govt of India,NewDelhi TNSCST,NCSTC, NewDelhi.	National
	24.02.2011	State Level workshop on AgriBiotechnology		
	25.02.2011	State Level workshop on Medical/Clinical technology		
	26.02.2011	Seminar on Nanaotechnology & Biomolecular Drug Designing Workshop		
	27.02.2011	Science Exhibition & Life Science Awareness Programme		
7	14 <sup>th</sup> -18 <sup>th</sup> 2011	Winter School-Five Days Training programme on Food Preservation Technology	Ministry of Food and Nutrition, Govt.of India, NewDelhi	National
8	23.05.2012 to 01.06.2012	8th All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai.	National
9	13 <sup>th</sup> - 15 <sup>th</sup> .02. 2013	A Short term Training on Plant Tissue Culture-A Holistic Approach	SET, Tirchengode	National

## Sengunthar Arts and Science College, Tiruchengode

### Guest Lectures

S.No	Date	Programme	Title of the Programme	Resource Persons
1	12.08.2011	Guest Lecture	Guest lecture on RNAi Based Therapy	<b>Dr.Selvam</b> , Coordinator PG Department of Molecular Biological Science,Bishop Heper College, Tiruchirappali
2	25.06.2011	Guest lecture	Guest lecture on Histopathology	<b>Dr.S.Mohammad Ali</b> , Dept of Biotechnology, Rajalakshmi Engineering College, Chennai.
3	28.02.2012	Guest lecture	Special Lecture on National science Day	<b>Dr.Samuel Asir Raj</b> Associate Professor, Department of Sociology,MS University,Tirunelveli.
4	19.02.2010	Seminar	National level Seminar on Vista's in plant and Microbial Technology	<b>Dr.P.Ravichandran</b> , Associate Prof,SPKCE,MS University,Tirunelveli <b>Dr.Selvam</b> , Coordinator PG Department of Molecular Biological Science,Bishop Heper College, Tiruchirappali <b>Dr.R. Vishwanathan</b> Principal Scientist, Sugarcane Breeding Institute,ICAR,Coimbatore <b>Dr.B.Nagarajan</b> , Scientist E, Institute of Forest Genetics & Tree Breeding,Coimbatore.
5	13 <sup>th</sup> -15 <sup>th</sup> Feb 2013	Workshop	A Short term Training on Plant Tissue Culture-A Holistic Approach	<b>Dr.P.Venkatachalam</b> , Associate Professor, Department of Biotechnology, Periyar University,Salem. <b>Dr.P.Chelizian</b> Assistant Manager, Department of Plantation, TNPL,Karur.
6	14 <sup>th</sup> -18 <sup>th</sup> Feb 2011	Workshop	Winter School- Five Days	Ministry of Food & Nutrition, Govt. of India, New Delhi.

## Sengunthar Arts and Science College, Tiruchengode

			Training programme on Food Preservation Technology	
7	5 <sup>th</sup> -7 <sup>th</sup> Sep 2011	Workshop	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	<b>Shri S.S Jawahar I.A.S</b> Commissioner of Museum, Chennai. <b>Dr.D.Narashiman</b> Professor in Botany, Madras Christian College, Chennai. <b>Miss.M.N. Pushpa</b> Curator, Botany section, Govt. Museum, Chennai.
8.	23.02.11	Symposium	National level Symposium on Global Warming & Environment Protection through Biotechnology	<b>Dr.M.Govindaraju</b> Professor, Department of Eco Biotechnology, Bharathidasan University, Tiruchirappalli.
	24.02.11	Workshop	State level workshop on Agri Biotechnology	<b>Dr.R.Jayakumararaj,</b> Head, Department of Botany, Raja Doraisingam Govt.Arts College, Sivagangai.
	25.02.11	Workshop	State level workshop on Medical/Clinical lab technology	SASC Faculty  <b>Dr.S.Kannan,</b> Professor in Zoology, Bharathiyar University, Coimbatore.
	26.02.11	Seminar	Seminar on Nanotechnology & Biomolecular drug designing	<b>Dr.S.Vincent,</b> Member Secretary, Tamilnadu State Council For Science & Technology, Chennai.
	27.02.11	Exhibition	Workshop Science Exhibition & Life science awareness programme	

## Sengunthar Arts and Science College, Tiruchengode

9	11.10.14	Guest Lecture	One Day Science to Technology Interaction Programme (STI-2014)	<b>S.Sivamani</b> , M.Tech., AMICHE, LMMIST, LMSBC(I), Professor, Department of Biotechnology, KUmara guru College of Technology, Coimbatore.
10	07.01.2015	Guest Lecture	One Day Special Lecture on Personality Development and Sustainable Energy	<b>Dr.A.Murugan</b> Associate Professor, Periyar University, Salem.
11	06.02.2015	Guest Lecture	One Day Intercollegiate level Institute Industry Bridge Programme(IIBP)	<b>Mr.Vivekmurali</b> Founder and Scientific officer, Remura Biologicals,Krishnagiri.

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc.,Biotechnology	2007-2010	19	19	17	02	94.73
	2008-2011	09	08	08	---	100
	2009-2012	18	17	10	07	76.47
	2010-2013	16	16	11	05	93.75
M.Sc., Biotechnology	2008-2010	42	42	36	06	100
	2009-2011	16	16	08	08	100
	2010-2012	20	19	14	05	100
	2011- 2013	04	04	03	01	100
M.Phil., Biotechnology	2008-2009	03	03	----	03	100
	2009-2010	04	04	02	02	100
	2010-2011	03	03	----	03	100
	2011-2012	01	01	----	01	100

\*M = Male \*F = Female

**27. Diversity of Students**

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other states</b>	<b>% of students from abroad</b>
B.Sc.,Biotechnology	100	--	--
M.Sc., Biotechnology	100	--	--
M.Phil., Biotechnology	93.3	6.7	--

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:**

<b>S.No</b>	<b>Name of the students</b>	<b>Batch</b>	<b>competitive examinations</b>
1	R.Prakash	M.Phil.,(2009-2010)	Revenue Inspector
2	Miranal kumar sharma	M.Sc.,(2007-2009)	JRF-NET
3	S.Saranyadevi	B.Sc.,(2004-2007)	SET
4	M.Rajagokila	M.Sc.,(2007-2009)	SET

**29. Student progression**

<b>Student Progression</b>	<b>Against % enrolled</b>			
	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
UG to PG	21	--	25	50
PG to M.Phil.,	33	--	50	100
M.Phil., to Ph.D.,	--	--	--	--
PG to Ph.D.,	--	--	--	--
Ph.D. to Post-Doctoral	--	--	--	--
Employed				
Campus Selection	7	15	19	15
Other than Campus Selection	--	--	--	--
Entrepreneurship / Self Employment	--	--	--	--

## Sengunthar Arts and Science College, Tiruchengode

### 30. Details of Infrastructural facilities

#### a) Library:

Common library and separate department library is available

Library	Research titles	No. of Volumes	No. of journals & Magazines
General Library	303	381	28 & 06
Department Library	37	37	(Dissertation)288

#### b) Internet facilities for Staff & Students:

Common internet lab in college premises is available.

#### c) Class rooms with ICT facility:

Separate A/C conference hall with audio & visual facility is available.

#### d) Laboratories:

Separate lab facilities available for UG, PG, M.Phil Biotechnology

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Course	Year	No. of Students			
		College	University	Govt.	Others
B.Sc.,Biotechnology	2014-2015	03	--	06	--
	2013-2014	03	--	10	--
	2012-2013	03	--	06	--
	2011-2012	01	--	02	--
M.Sc., Biotechnology	2014-2015	01	--	02	--
	2013-2014	02	--	02	--
	2012-2013	11	--	02	--
	2011-2012	--	--	01	--

## Sengunthar Arts and Science College, Tiruchengode

M.Phil., Biotechnology	2014-2015	--	--	--	--
	2013-2014	--	--	--	--
	2012-2013	--	--	--	--
	2011-2012	--	--	--	--

### 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:

#### Seminars

S.No	Year	Seminar/conferences/ Workshops	Source of Fundings	Level
1	16.05.2006 to 30.05.2006	4 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai &NCSTC,New Delhi.	National
2	16.05.2007 to 30.05.2007	5 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai &NCSTC,New Delhi.	National
	24.10.2007 to 27.10.2007	Inservice Training for Secondary Grade Teachers for Namakkal District	TNSCST,Chennai.	National
3	19.05.2008 to 02.06.2008	6 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	SET, Tiruchengode.	National
4	19.02.2010	National level Seminar on Vista's in plant and Microbial Technology	Tamilnadu State Council For Science and Technology, Govt of Tamilnadu.	National
	20.12.2010 to 24.12.2010	Inservice Training for Secondary Grade Teachers for Namakkal District	TNSCST,Chennai.	National



## Sengunthar Arts and Science College, Tiruchengode

5	05.09.2011 to 07.09.2011	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	Govt.Museum, Chennai.	National
	23.05.2011 to 01.06.2011	7 <sup>th</sup> All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai.	
	24.02.2011 & 25.02.2011	Workshop on Agribiotechnology for Sustainable Agriculture and Health Environment	Ministry of Environment and Forestry, New Delhi.	National
	23.02.2011	National symposium on Global Warming and Environmental Protection through Biotechnology	CSIR, Govz.of India, NewDelhi.  CSIR,Govt. of India,NewDelhi.  SET, CSIR,Govt of India,NewDelhi TNSCST,NCSTC, NewDelhi.	National
	24.02.2011	State Level workshop on AgriBiotechnology		
	25.02.2011	State Level workshop on Medical/Clinical technology		
	26.02.2011	Seminar on Nanaotechnology & Biomolecular Drug Designing Workshop		
	27.02.2011	Science Exhibition & Life Science Awareness Programme		
6	14 <sup>th</sup> -18 <sup>th</sup> 2011	Winter School-Five Days Training programme on Food Preservation Technology	Ministry of Food and Nutrition, Govt.of India, NewDelhi	National
7	23.05.2012 to 01.06.2012	8th All India Summer Research Training Programme on Molecular Techniques	TNSCST,Chennai.	National
8	13 <sup>th</sup> -15 <sup>th</sup> .02. 2013	A Short term Training on Plant Tissue Culture-A Holistic Approach	SET, Tirchengode	National

## Sengunthar Arts and Science College, Tiruchengode

### Guest Lectures

S.No	Date	Programme	Title of the Programme	Resource Persons
1. 1	12.08.2011	Guest Lecture	Guest lecture on RNAi Based Therapy	<b>Dr.Selvam</b> , Coordinator PG Department of Molecular Biological Science, Bishop Heper College, Tiruchirappali
2. 2	25.06.2011	Guest lecture	Guest lecture on Histopathology	<b>Dr.S.Mohammad Ali</b> , Dept of Biotechnology, Rajalakshmi Engineering College, Chennai.
3. 3	28.02.2012	Guest lecture	Special Lecture on National science Day	<b>Dr.Samuel Asir Raj</b> Associate Professor, Department of Sociology, MS University, Tirunelveli.
4.	11.10.14	Guest Lecture	One Day Science to Technology Interaction Programme (STI-2014)	<b>S.Sivamani</b> , M.Tech., AMICHE, LMMIST, LMSBC(I), Professor, Department of Biotechnology, Kumaraguru College of Technology, Coimbatore.
5. 10	07.01.2015	Guest Lecture	One Day Special Lecture on Personality Development and Sustainable Energy	<b>Dr.A.Murugan</b> Associate Professor, Periyar University, Salem.
5. 11	06.02.2015	Guest Lecture	One Day Intercollegiate level Institute Industry Bridge Programme(IIBP)	<b>Mr.Vivekmurali</b> Founder and Scientific officer, Remura Biologicals, Krishnagiri.
7. 4	19.02.2010	Seminar	National level Seminar on Vista's in plant and Microbial Technology	<b>Dr.P.Ravichandran</b> , Associate Prof, SPKCE, MS University, Tirunelveli <b>Dr.Selvam</b> , Coordinator PG Department of Molecular Biological Science, Bishop Heper College, Tiruchirappali <b>Dr.R.Vishwanathan</b> Principal Scientist, Sugarcane Breeding

## Sengunthar Arts and Science College, Tiruchengode

				Institute, ICAR, Coimbatore <b>Dr.B.Nagarajan</b> , Scientist E, Institute of Forest Genetics & Tree Breeding, Coimbatore.
8. 5	13-15 Feb 2013	Workshop	A Short term Training on Plant Tissue Culture-A Holistic Approach	<b>Dr.P.Venkatachalam</b> , Associate Professor, Department of Biotechnology, Periyar University, Salem <b>Dr.P.Chelizian</b> Assistant Manager, Department of Plantation, TNPL, Karur.
9. 6	14 <sup>th</sup> -18 <sup>th</sup> Feb 2011	Workshop	Winter School-Five Days Training programme on Food Preservation Technology	Ministry of Food & Nutrition, Govt. of India, New Delhi.
10. 7	5 <sup>th</sup> -7 <sup>th</sup> Sep 2011	Workshop	A Three Day Workshop on Plant Preservation and Plant modeling Techniques	<b>Shri S.S Jawahar I.A.S</b> Commissioner of Museum, Chennai. <b>Dr.D.Narashiman</b> Professor in Botany, Madras Christian College, Chennai. <b>Mrs.M.N. Pushpa</b> Curator, Botany section, Govt. Museum, Chennai.

## Sengunthar Arts and Science College, Tiruchengode

	23.02.11	Symposium	National level Symposium on Global Warming & Environment Protection through Biotechnology	<b>Dr.M.Govindaraju</b> Professor, Department of Eco Biotechnology, Bharathidasan University, Tiruchirappalli.
	24.02.11	Workshop	State level workshop on Agri Biotechnology	<b>Dr.R.Jayakumararaj,</b> Head, Department of Botany, Raja Doraisingam Govt.Arts College, Sivagangai.
	25.02.11	Workshop	State level workshop on Medical/Clinical lab technology	SASC Faculty  <b>Dr.S.Kannan,</b> Professor in Zoology,Bharathiyar University,Coimbatore.
	26.02.11	Seminar	Seminar on Nanotechnology & Biomolecular drug designing Workshop	<b>Dr.S.Vincent,</b> Member Secretary, Tamilnadu State Council For Science & Technology, Chennai.
	27.02.11	Exhibition	Science Exhibition & Life science awareness programme	

### 33. Teaching methods adopted to improve student learning:

- Regular revision test, Parents teachers meeting,
- Periodical intimation of student progress to parents,
- Industrial visits for every student,
- Weak Students are identified and remedial coaching provided.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Health camps,
- Health awareness camps,
- Blood donation camp,
- Screening of blood groups,
- School teachers training, Women self – help groups,
- Guidance for HSC students for better performance in public exams, NSS, YRC, RRC

**35. SWOC analysis of the department and Future plans**

**Strength**

- Qualified and Experienced staff
- Well established laboratory facilities
- Separate library facility for the department
- Excellent team work

**Weakness**

- Students communication skills have to be improved
- Students are lacking in Technical and research skills.

**Opportunities**

- We are providing opportunities for biotech students to get jobs through placement and we are always encourage students to do research
- Established research laboratory for students, for doing research.
- Students can become good entrepreneur
- Department arranges internship training programme for students.

**Challenges**

- We are focusing on research and trying to get funds from various research bodies

**Future plans**

- Have a plan to establish research activities through obtaining funds from funding agencies.
- Plan to have MoU (memorandum of understanding) with reputed research institutions.
- Have to strengthen the institute – industry interactions
- Collaborating research with various established research organization.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : Biochemistry
2. **Year of Establishment** : 1994-1995
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.Sc. Biochemistry	1994-1995
02	M.Sc. Biochemistry	2004-2005

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Part-I Tamil
02	Part-II English
03	B.Sc . Chemistry
04	B.Sc Computer science
05	B.Sc. Biostatistics
06	M.Sc. Biostatistics

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc. Biochemistry	Semester & CBCS
02	M.Sc. Biochemistry	Semester & CBCS

## Sengunthar Arts and Science College, Tiruchengode

### 6. Participation of the department in the courses offered by other departments:

S. No.	Class	Subject	Subject Name
01	I B.Sc. Microbiology	Allied	Allied Biochemistry
02	I B.Sc. Biotechnology	Allied	Allied Biochemistry

### 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

### 8. Details of courses/programmes discontinued (if any) with reasons: Nil

### 9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	-	-
Associate Professor	-	-
Assistant Professor	2	2

### 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mrs.K.R. Shanthini	M.Sc.,M.Phil., B.Ed.	HOD cum Asst.Professor	Molecular Biology	8 Years 7 Months	-
Mrs. J.Mallika	M.sc., M.Phil.	Asst.Professor	Clinical Biochemistry	7Years 5 Months	-

### 11. List of senior visiting faculty:

S.No	Visiting Faculty
01	Dr.B.Chandrabose, M.V.Sc., Ph.D.Professor and Head,Dept.of Poultry Nutrition,Suguna Poultry Management, Udumalapet.
02	Dr.N.P.Shankar Narayan, (Dermatologist), Erode

## Sengunthar Arts and Science College, Tiruchengode

**12. Percentage of lectures delivered and practical classes handled (programme wise)**  
**By temporary faculty:**

No temporary faculties

**13. Student -Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.Sc. Biochemistry	20: 1
02	M.Sc. Biochemistry	15:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	01	01
Administrative staff	-	-

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D.	-
M.Phil.	02
PG	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Year	Title of the project	Supervisor	Student	Fund/Grants received from trust
2010-11	-	-	-	-
2011-12	-	-	-	-



## Sengunthar Arts and Science College, Tiruchengode

2012-13	Bioactivities of sea weed <i>Callyspongia diffusa</i>	Mrs.K.R.Shanthini	R.Rajesh	5000/-
2013-14	-	-	-	-

**18. Research Centre /facility recognized by the University:**

Nil

**19. Publications:**

**1) Publication per faculty :Nil**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

**\* Monographs : Nil**

**\* Chapter in Books : Nil**

**\* Books Edited : Nil**

**\* Books with ISBN/ISSN Number : Nil**

**\* Citation Index : Nil**

**\* SNIP : Nil**

**\* SJR : Nil**

**\* Impact Factor : Nil**

**\* H-Index : Nil**

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards....**

Nil

**22. Student projects**

**a) Percentage of students who have done in-house projects including inter departmental / programme**

S. No.	Course	Year	% of In-house Projects
01	M.Sc. Biochemistry	2011 – 2012	-
02		2012 – 2013	33.33%
03		2013 – 2014	-
04		2014 – 2015	-

## Sengunthar Arts and Science College, Tiruchengode

### b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies

S. No.	Course	Year	% of In-house Projects
01	M.Sc. Biochemistry	2011 – 2012	-
02		2012 – 2013	66.66%
03		2013– 2014	-
04		2014 – 2015	-

### 23. Awards / Recognitions received by faculty and students

#### Awards and Recognitions by staff members

Nil

#### Awards and Recognitions by students

S.No	Course	Awards	Recognition
1	B.Sc. Biochemistry	University Rank	1 University Rank Holder
2	M.Sc. Biochemistry	University Rank	1 University Rank Holder

### 24. List of eminent academicians and scientists / visitors to the department

S.No	Visiting Faculty
01	Dr.B.Chandrabose, M.V.Sc., Ph.D.Professor and Head,Dept.of Poultry Nutrition,Suguna Poultry Management,Udumalapet.
02	Dr.N.P.Shankar Narayan, (Dermatologist), Erode

### 25. Seminars/ Conferences/Workshops organized & the source of funding

#### Guest Lectures

S.No	Funding agencies	Title of the Programme	Visiting faculty
01	Sengunthar Educational Trust	Role of Fiber in Human Nutrition	Dr.B.Chandrabose, M.V.Sc., Ph.D.Professor and Head,Dept.of Poultry Nutrition,Suguna Poultry Management,Udumalapet
02	Sengunthar Educational Trust	Holistic Health	Dr.N.P.Shankar Narayan, (Dermatologist), Erode

**26. Student profile programme/course wise:**

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc. Biochemistry	2007-2010	7	7	6	1	71.4%
	2008-2011	4	4	4	-	100%
	2009-2012	-	-	-	-	-
	2010-2013	-	-	-	-	-
	2011-2014	5	5	3	2	80%
M.Sc. Biochemistry	2008-2010	5	4	4	-	100%
	2009-2011	-	-	-	-	-
	2010-2012	-	-	-	-	-
	2011-2013 Lateral Admission	2 1	2 1	2	- 1	66.66%

\*M = Male \*F = Female

**27. Diversity of Students**

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc . Biochemistry	100%	Nil	Nil
M.Sc.Biochemistry	100%	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil**

**29. Student progression**

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG	50%	-	-	60%
PG to M.Phil.,	-	-	-	-
M.Phil., to Ph.D.,	-	-	-	-
PG to Ph.D.,	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed	-	-	-	-
Campus Selection	25%	-	-	40%
Other than Campus Selection	25%		100%	-
Entrepreneurship / Self Employment	-	-	-	-

**30. Details of Infrastructural facilities**

**a) Library:**

Common library and separate department library is available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	-	-	34
Departmental Library	440	524	-

**b) Internet facilities for Staff & Students:**

Common internet lab in college premises is available.

**c) Class rooms with ICT facility:**

Common A/C conference hall with audio & visual facility is available.

**d) Laboratories:** Biochemistry Lab with well equipped instruments for UG & PG students

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

Course	Year	No. of Students			
		College	University	Govt.	Others

## Sengunthar Arts and Science College, Tiruchengode

B.Sc.Biochemistry	2011-2012	1	-	2	-
	2012-2013	-	-	-	-
	2013-2014	4	-	-	-
	2014-2015	2	-	2	-

Course	Year	No. of Students			
		College	University	Govt.	Others
M.Sc.Biochemistry	2011-2012		-	1	-
	2012-2013	-	-	-	-
	2013-2014	-	-	-	-
	2014-2015	-	-	1	-

### 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:

S. No.	Date	Guest Lectures
01	06-03-2013	Dr. B.Chandrabose, M.V.Sc., Ph.D. Suguna Poultry Management
02	06-03-2014	Dr. N.P. Shangar Narayan, (Dermatologist), Erode

### 33. Teaching methods adopted to improve student learning:

- Arrange industrial visit in every year
- Every month conducting monthly test
- Periodical intimation of students progress to parents
- Weak students are identified and remedial coaching provided
- Science News Presentation& Science Quiz
- Conducting guest lectures on recent topics

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Health awareness camp
- Blood grouping camp
- Blood Donation camp
- Participation in NSS, YRC, RRC

**35. SWOC analysis of the department and Future plans**

**Strength**

- Well experienced qualified and energetic staff members
- Well equipped lab facility with instruments for practical
- Good infrastructure
- Department library for students and staff members

**Weakness**

- Lack of communication skills among students because of rural background

**Opportunities**

- Biochemistry is a gateway of all research courses like Bioinformatics, Microbiology, Nano technology, Biotechnology, Environmental Science etc.
- Biochemistry is useful for all Government Exams like TNPSC, UPSC, SET, CSIR etc.
- Biochemistry has a wide scope for teaching services in medicine related courses
- Biochemistry students are well placed in pharma companies, clinical laboratories, Toxicology testing laboratories etc.

**Challenges**

- It is a rural area based college, so it is a challenge to make a Biochemistry skillful student

**Future plans**

- To conduct coaching classes for SET, NET, TNPSC, UPSC
- To conduct state level, National level seminars, workshops and special lectures
- To give extra coaching for communication skills

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : Chemistry
2. **Year of Establishment** : 2004-2005
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	B.Sc. Chemistry	2004-2005

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Part-I Tamil
02	Part-II English
03	B.Sc. Physics
04	B.Sc. Computer science
05	B.Sc. Maths

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	B.Sc. Chemistry	Semester & CBCS

6. **Participation of the department in the courses offered by other departments:**

S. No.	Class	Subject	Subject Name
01	I B.Sc. Biochemistry	Allied	Allied Chemistry

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

## Sengunthar Arts and Science College, Tiruchengode

### 8. Details of courses/programmes discontinued (if any) with reasons:

S.No	Year	Course Discontinued	Reason
1	2014-15	M.Sc. Organic Chemistry	Poor enrollment of students

### 9. Number of teaching posts

Designation	Sanctioned	Filled
Professor	-	-
Associate Professor	-	-
Assistant Professor	3	3

### 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mrs. J.Sangeetha	M.Sc., M.Phil.	Asst. Professor	Physical Chemistry	3 Years 8 Months	-
Mrs. G.Sivambika	M.Sc.	Asst. Professor	Inorganic Chemistry	10 Months	-
Ms. K.S.Monika	M.Sc., M.Phil.	Asst. Professor	Polymer Chemistry	4 Months	-

### 11. List of senior visiting faculty:

S.No	Visiting Faculty
01	Dr.B.Chandrabose, M.V.Sc., Ph.D. Professor and Head, Dept. of Poultry Nutrition, Suguna Poultry Management, Udumalpet.
02	Dr.N.P.Shankar Narayan, (Dermatologist), Erode

### 12. Percentage of lectures delivered and practical classes handled (programme wise)

#### By temporary faculty:

No temporary faculties



## Sengunthar Arts and Science College, Tiruchengode

---

**13. Student -Teacher Ratio (programme wise):**

S. No.	Programme	Student – Teacher Ratio
01	B.Sc. Chemistry	20: 1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	01	01
Administrative staff	-	-

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D.	-
M.Phil.	02
PG	01

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil**

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Nil

**18. Research Centre /facility recognized by the University:**

Nil

**19. Publications:**

**m) Publication per faculty : Nil**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

Nil

## Sengunthar Arts and Science College, Tiruchengode

---

* Monographs	: Nil
* Chapter in Books	: Nil
* Books Edited	: Nil
* Books with ISBN/ISSN Number	: Nil
* Citation Index	: Nil
* SNIP	: Nil
* SJR	: Nil
* Impact Factor	: Nil
* H-Index	: Nil

### 20. Areas of consultancy and income generated:

Nil

### 21. Faculty as members in

a) National Committees b) International Committees c) Editorial Boards....

Nil

### 22. Student projects

a) Percentage of students who have done in-house projects including inter departmental / programme

Nil

### 23. Awards / Recognitions received by faculty and students

Awards and Recognitions by staff members

Nil

Awards and Recognitions by students

S.No	Course	Awards	Recognition
1	B.Sc. Chemistry	District level Judo Competition	Gold Medal
2	B.Sc. Chemistry	District level Wrestling championship	Silver Medal
3	B.Sc. Chemistry	University Level Judo	Silver Medal

## Sengunthar Arts and Science College, Tiruchengode

		Competition	
4	B.Sc. Chemistry	University Level Weight lifting	Bronze Medal
5	B.Sc. Chemistry	University Level foot ball match	Participation
6	B.Sc. Chemistry	State level power building Championship	6 <sup>th</sup> Place
7	B.Sc. Chemistry	State Level Wrestling championship	Gold Medal
8	B.Sc. Chemistry	State Level Muscle building	Participation
9	B.Sc. Chemistry	State level Judo competition	Gold Medal
10	B.Sc. Chemistry	National level Wrestling Federation of India	Participation

### 24. List of eminent academicians and scientists / visitors to the department

S.No	Visiting Faculty
01	Dr.B.Chandrabose, M.V.Sc., Ph.D. Professor and Head, Dept. of Poultry Nutrition, Suguna Poultry Management, Udumalpet.
02	Dr.N.P.Shankar Narayan, (Dermatologist)

## Sengunthar Arts and Science College, Tiruchengode

### 25. Seminars/ Conferences/Workshops organized & the source of funding

#### Guest Lectures

S.No	Funding agencies	Title of the Programme	Visiting faculty
01	Sengunthar Educational Trust	Role of Fiber in Human Nutrition	Dr.B.Chandrabose, M.V.Sc., Ph.D. Professor and Head, Dept. of Poultry Nutrition, Suguna Poultry Management, Udumalpet
02	Sengunthar Educational Trust	Holistic Health	Dr.N.P.Shankar Narayan, (Dermatologist)

### 27. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
B.Sc. Chemistry	2007-2010	-	-	-	-	-
	2008-2011	-	-	-	-	-
	2009-2012	20	19	16	3	31.5%
	2010-2013	12	12	10	2	50%
	2011-2014	16	16	12	4	46%

\*M = Male \*F = Female

### 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. Chemistry	100%	Nil	Nil

### 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

Nil

**29. Student progression**

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG		21%	50%	33.33%
PG to M.Phil.	-	-	-	-
M.Phil., to Ph.D.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed	-	10.52%	-	-
Campus Selection	-	-	25%	13.33%
Other than Campus Selection	-	68.42%	25%	53.33%
Entrepreneurship / Self Employment	-	-	-	-

**30. Details of Infrastructural facilities**

**a) Library:**

Common library and separate department library is available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	-	-	34
Departmental Library	210	332	-

**b) Internet facilities for Staff & Students:**

Common internet lab in college premises is available.

**c) Class rooms with ICT facility:**

Common A/C conference hall with audio & visual facility is available.

**d) Laboratories:**

Chemistry Lab with well equipped instruments for UG students

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

Course	Year	No. of Students			
		College	University	Govt.	Others
B.Sc. Chemistry	2011-2012	2	-	3	-
	2012-2013	1	-	-	-
	2013-2014	2	-	6	-
	2014-2015	11	-	6	-

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

S. No.	Date	Guest Lectures
01	06-03-2013	Dr. B.Chandrabose, M.V.Sc., Ph.D. Suguna Poultry Management
02	06-03-2014	Dr. N.P. Shangar Narayan, (Dermatologist), Erode

**33. Teaching methods adopted to improve student learning:**

- Arrange industrial visit in every year
- Every month conducting monthly test
- Periodical intimation of students progress to parents
- Weak students are identified and remedial coaching provided
- Science News Presentation & Science quiz
- Conducting guest lectures on recent topics
- Power point presentation
- Science News Presentation & Science quiz

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Health awareness camp
- Blood donation camp
- Participation in NSS, YRC, RRC

**35. SWOC analysis of the department and Future plans**

**Strength**

- Well equipped lab facility with instruments for practical
- Good infra-structure
- Department library for students and staff members

**Weakness**

- Lack of communication skills among students because of rural background

**Opportunities**

- Chemistry is a gateway of all research courses like Chemical Science, Nano Science, Biochemistry, Environmental Chemistry etc.
- Chemistry is useful for all Government Exams like TNPSC, UPSC, SET, CSIR etc.
- Chemistry has a wide scope for teaching services in chemical related courses
- Chemistry students are well placed in pharma companies, water treatment laboratories, quality testing laboratories etc.

**Challenges**

- Lack of communication skill among students remains a challenge in adopting themselves in suitable jobs and job in other states

**Future plans**

- To conduct coaching classes for SET, NET, TNPSC, UPSC.
- To conduct state level, national level seminars, workshops and special lectures
- To conduct inter college meet
- To give extra coaching for communication skills
- To give Instruments handling training programmes.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

- 1. Name of the department** : M.Com (Corporate Secretaryship)
- 2. Year of Establishment** : 2001-2002
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	M.Com. (Corporate Secretaryship)	2001-2002

- 4. Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Computer science
02	MBA

- 5. Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	M.Com. (Corporate Secretaryship)	Semester & CBCS

- 6. Participation of the department in the courses offered by other departments:**

Nil

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

- 8. Details of courses/programmes discontinued (if any) with reasons:** Nil

- 9. Number of Teaching posts**

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	--	--
Assistant Professor	03	03



## Sengunthar Arts and Science College, Tiruchengode

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mrs. N. Santhi	M.C.S., M.Com., M.Phil.	HOD cum Asst. Professor	Company Law Cost Accounting	6.5	-
Mr. T.SanthaKumar	M.Com., M.Phil., B.Ed.	Asst. Professor	Financial Market Services Corporate Accounting	3.5	-
Mr. T.Sankarganesh	M.Com (CS) D. Co-op.	Asst. Professor	Income Tax Securities Market Analysis	3.5	-

**11. List of senior visiting faculty:**

S. NO	DATE	EVENTS	RESOURCE PERSON
1.	24.02.2015	Seminar on “ Personality Modification”	Dr. L.J. Chaarlas, Head, Associate Professor, Research Advisor, Dept of Commerce St. Joseph’s College, Trichy.
2.	31.01.2014	Seminar on “ Blooming employment opportunity in corporate sectors”	Mr. N.K. Senthilkumar, Company Secretary in Christy Group of company Tiruchengode.
3.	18.02.2013	Seminar on “Professionalization of board for corporate excellence”	Dr. V. Balachandar, Professor & Formerly Director of Distance Education, Alagappa University, Karaikudi.
4	10.02.2012	Seminar on “ A gate way to professional facilitation and vocational mentoring”	Mr. U. Ilanchezhiyan, Auditor & Professor in Coimbatore.

**12. Percentage of lectures delivered and practical classes handled (programme wise)**

By temporary faculty:

Nil

## Sengunthar Arts and Science College, Tiruchengode

### 13. Student -Teacher Ratio (programme wise):

S. No.	Programme	Student – Teacher Ratio
01	M.Com (CS)	15:1

### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Particulars	Sanctioned	Filled
Academic support staff	--	--
Administrative staff	--	--

### 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Staff Members
Ph.D.	--
M.Phil.	02
PG	01

### 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

### 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Year	Title of the Project	Supervisor	Students	Fund / Grand Sanctioned by Trust Rs.
2014-15	A study on employees stress in Sengunthar mills private Ltd, Tiruchengode.	Mrs. N.Santhi	K.Sundari	5000
	A Study on employees performance appraisal in Mallur siddeswara	Mr. T.Sankarganesh	T.Mani	5000

## Sengunthar Arts and Science College, Tiruchengode

	spinning mills (P) Ltd.			
2013-14	A Study on performance appraisal in True sai works, Salem.	Mrs. N.Santhi	T.Anand	5000
	A study on employees welfare measures in Ponni suger (Erode) Ltd.	Mr. T.Santhakumar	B.Roobini	5000
2012-13	A study on team effectiveness in Christy friedgram industry, Tiruchengode.	Mr. T.Santhakumar	S.Bhuvaneshwari	5000
	A Study on Financial performance in Hema engineering Ltd, Hosur.	Mr. T.Sankarganesh	K.Revathi	5000
2011-12	A Study on Employee Absenteeism in Seshasayee Papers and Boards Ltd, Pallipalayam.	Mrs. N. Santhi	N. Nasreen Fathima	5000
	A Study on Financial performance in Seshasayee Papers and Boards Ltd, Pallipalayam.	Mr. T.Sankarganesh	K.Yamuneshwari	5000
2010-11	A study on employees job satisfaction in Sambandam spinning mills Ltd, Salem.	Mrs. N. Santhi	T.Kousalya	5000
	A study on employees attitude towards welfare measure at Coimbatore spinning & weaving mills (CS&W) NTC Ltd, Coimbatore.	Mrs. N. Santhi	R.Balakrishnan	5000

**18. Research Centre /facility recognized by the University:** Nil

**19. Publications:**

n) **Publication per faculty** : Nil

\* **Number of papers published in peer reviewed journals (National / International) by faculty and students**

Nil

\* **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

\* **Monographs** : Nil

\* **Chapter in Books** : Nil

\* **Books Edited** : Nil

\* **Books with ISBN/ISSN Number** : Nil

\* **Citation Index** : Nil

\* **SNIP** : Nil

\* **SJR** : Nil

\* **Impact Factor** : Nil

\* **H-Index** : Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

a) National Committees b) International Committees c) Editorial Boards

S. No.	Name of the Faculty	Member in	Name of the Committee
01	Mrs. N.Santhi	M.Com (CS)	Chairman in Central Valuation Board in Periyar University.

**22. Student projects**

a) **Percentage of students who have done in-house projects including inter departmental / programme**

Nil

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies**

## Sengunthar Arts and Science College, Tiruchengode

S. No.	Course	Year	% of Out side house Projects
01	M.Com (CS)	2014 – 2015	100%
02		2013 – 2014	100%
03		2012 – 2013	100%
04		2011 – 2012	100%
04		2010 - 2011	100%

### 23. Awards / Recognitions received by faculty and students

Awards and Recognitions by staff members: Nil

Awards and Recognitions by students

Our department of M.Com (C.S) has produced 12 University Gold Medals and 110 Rank Holders

S. No.	Year	Awards	Recognition
01	2012-2014	1 University Gold Medal	10 Rank Holders
02	2011-2013	1 University Gold Medal	10 Rank Holders
03	2010-2012	1 University Gold Medal	10 Rank Holders
04	2009-2011	1 University Gold Medal	8 Rank Holders
05	2008-2010	1 University Gold Medal	11 Rank Holders

### PRIZE WINNERS

#### CASCALL - 2012

PSG Arts and Science College, Coimbatore

S. No	Name	Event	Place
1.	Gopal A - II M.Com (CS)	House Full	II Prize
2.	Vanitha S - II M.Com (CS)	House Full	II Prize
3.	Nasreen Fathima N - II M.Com (CS)	Mum – Dum	III Prize
4.	Yamuneshwari K - II M.Com (CS)	Mum – Dum	III Prize

## Sengunthar Arts and Science College, Tiruchengode

### 24. List of eminent academicians and scientists / visitors to the department

S. No.	Details of Eminent academicians and Scientists visited the Department
01	Dr. L.J. Chaarlas, Head, Associate Professor, Research Advisor, Dept of Commerce St. Joseph's College, Trichy.
02	Mr. N.K. Senthilkumar, Company Secretary in Christy Group of company Tiruchengode.
03	Dr. V. Balachandar, Professor & Formerly Director of Distance Education, Alagappa University, Karaikudi.
04	Mr. U. Ilanchezhiyan, Auditor & Professor in Coimbatore.

### 25. Seminars/ Conferences/Workshops organized & the source of funding

#### Seminars

S. No.	Date	Title	Source of Funding
01	24.02.2015	Seminar on "Personality Modification"	Sengunthar Educational Trust
02	31.01.2014	Seminar on "Blooming employment opportunity in corporate sectors"	Sengunthar Educational Trust
03	18.02.2013	Seminar on "Professionalization of board for corporate excellence"	Sengunthar Educational Trust
04	10.02.2012	Seminar on "A gate way to professional facilitation and vocational mentoring"	Sengunthar Educational Trust

### 26. Student profile programme/course wise:

Course	Batch	Applications Received	Selected	Enrolled		Pass %
				M	F	
M.Com (CS)	2012-2014	22	18	11	7	94.44
	2011-2013	18	14	8	6	100
	2010-2012	28	25	15	10	100
	2009-2011	13	9	6	3	100

\*M = Male \*F = Female

## Sengunthar Arts and Science College, Tiruchengode

### 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
M.Com (CS)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil

### 29. Student progression

Student Progression	Against % enrolled				
	2014	2013	2012	2011	2010
UG to PG	0	0	0	0	0
PG to M.Phil.	5.56	0	12.00	33.33	7.69
M.Phil. to Ph.D	0	0	0	0	0
PG to Ph.D	0	0	0	0	0
Ph.D to Post-Doctoral	0	0	0	0	0
Employed					
Campus Selection	27.78	42.86	32	Nil	15.38
Other than Campus Selection	44.44	35.71	36.00	55.56	46.15
Entrepreneurship / Self Employment	22.22	21.43	20.00	11.11	30.78

### 30. Details of Infrastructural facilities

#### a) Library:

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
General Library	192	226	95

#### b) Internet facilities for Staff & Students:

Common internet lab in college premises is available.

#### c) Class rooms with ICT facility: Nil

## Sengunthar Arts and Science College, Tiruchengode

### d) Laboratories:

The lab facility of computer department are being used for our students.

### 31. Number of students receiving financial assistance from college, university, Government or other agencies:

Course	Year	No. of Students			
		College	University	Govt.	Others
M.Com (CS)	2014-2015	7		2	
	2013-2014	8		5	
	2012-2013	9		6	
	2011-2012	7		4	
	2010-2011	4		1	

### 32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:

S. NO	DATE	EVENTS	RESOURCE PERSON
1.	24.02.2015	Seminar on “ Personality Modification”	Dr. L.J. Chaarlas, Head, Associate Professor, Research Advisor, Dept of Commerce St. Joseph’s College, Trichy.
2.	31.01.2014	Seminar on “ Blooming employment opportunity in corporate sectors”	Mr. N.K. Senthilkumar, Company Secretary in Christy Group of company Tiruchengode.
3.	18.02.2013	Seminar on “Professionalization of board for corporate excellence”	Dr. V. Balachandar, Professor & Formerly Director of Distance Education, Alagappa University, Karaikudi.
4	10.02.2012	Seminar on “ A gate way to professional facilitation and vocational mentoring”	Mr. U. Ilanchezhiyan, Auditor & Professor in Coimbatore.

### 33. Teaching methods adopted to improve student learning:

- Class discussion conducted by Professor.
- Recitation oral questions by Staff answered orally by students.
- Group Discussion.



- Panel Presentations.
- Debate (informal) on current issues.
- Usage of multimedia (video / synchronization slide presentation).
- Teaching with diagrams or graphs. Clarify processes with flow charts.
- Snap test.
- Industrial visits for every year.
- Weak Students are identified and remedial coaching conducted.

### **34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Guidance for HSC students for better performance in public examination.
- Donation of funds to various orphanages.
- Blood Donation.

### **35. SWOC analysis of the department and Future plans**

#### **Strength**

The Department is equipped with highly qualified, competent and well trained faculty members who have expertise in their respective fields. It has a well-equipped library cum reading room and a computer laboratory and employs modern pedagogical techniques to harness the students' skill through workshops, seminars, industrial visits and training.

#### **Weakness**

- Educating communication skills and corporate practices to students are felt difficult since most of them are from rural background.

#### **Opportunities**

Students who have a Master Degree in Corporate Secretaryship will be able to work in both private and public sectors as:

- Strategic Manager and Corporate Planner.
- A compliance officer of the organization.
- Chief Advisor to the Directors of the company who advises on the best Practices through which corporate governance can be achieved.

## Sengunthar Arts and Science College, Tiruchengode

---

- The holders of M.Com Corporate Secretaryship are eligible to get Placement as Company Secretary in those companies which has paid-up Capital of less than Rs.2crores. Besides, they are well suited for Executive Positions in other functional areas of management.

### **Challenges**

- Higher studies to train students for competitive exams.
- Department sustainability

### **Future plans**

- To offer M.Phil course.
- To conduct communication classes to rural area students.
- To conduct more seminars and workshops.
- To motivate the students to get university gold medals & ranks.
- To offer certificate course in Tally.

# Sengunthar Arts and Science College, Tiruchengode

## Evaluative Report of the Department

1. **Name of the department** : Management Studies
2. **Year of Establishment** : 2014-2015
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

S. No.	Course	Year of Affiliation
01	M.Phil., Management	2014-2015

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No.	Interdisciplinary Programmes and Departments
01	Nil

5. **Annual/ semester/choice based credit system (programme wise):**

S. No.	Course	Annual / Semester / Choice Based Credit System
01	M.Phil Management	Semester & CBCS

6. **Participation of the department in the courses offered by other departments:**

S. No.	Class	Subject	Subject Name	Department offering the Course
01	--	NMEC	--	--
02	--	NMEC	--	--
03	--	NMEC	--	--
03	--	EDC	--	--
04	--	EDC	--	--

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil

## Sengunthar Arts and Science College, Tiruchengode

### 9. Number of Teaching posts

Designation	Sanctioned	Filled
Professor	--	--
Associate Professor	--	--
Assistant Professor	03	03

### 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mrs. N. VIDHYA DEVI	M.B.A., M.Phil, P.G.D.O.M	Assistant professor	Operations Management	15	Nil
Mr. P. NALLASIVAM	M.B.A., M.Sc (Psy)., M.Phil., M.A (Yoga)., P.G.D.C.A.,	Assistant Professor	Marketing Management and Systems	10	Nil
Mrs. R. RUPA	M.B.A.,M.Phil., M.Com., B.Ed.,	Assistant Professor	Finance and Marketing	07	Nil

### 11. List of senior visiting faculty:

Nil

### 12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty:

No temporary faculty available in the department

### 13. Student -Teacher Ratio (programme wise):

S. No.	Programme	Student – Teacher Ratio
01	M.Phil	5:1

**14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Particulars	Sanctioned	Filled
Academic support staff	01	01
Administrative staff	-	-

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	No. of Staff Members
Ph.D.,	--
M.Phil.,	03
PG	--

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

**17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Nil

**18. Research Centre /facility recognized by the University**

Business Administrative department is recognised as research department by university since 2014.

**19. Publications:**

**o) Publication per faculty :**

**\* Number of papers published in peer reviewed journals (National / International) by faculty and students**

S. No.	Name of the Faculty	Publications	
		National	International
01	Mrs. N. Vidhyadevi	04	01
02	Mr. P. Nallasivam	05	01

**\* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Dictionary, EBSCO Host, etc..)**

: Nil

**\* Monographs** : Nil

**\* Chapter in Books** : Nil

**\* Books Edited** : Nil

## Sengunthar Arts and Science College, Tiruchengode

---

\* **Books with ISBN/ISSN Number** : Nil

\* **Citation Index** : Nil

\* **SNIP** : Nil

\* **SJR** : Nil

\* **Impact Factor** : Nil

\* **H-Index** : Nil

**20. Areas of consultancy and income generated:** Nil

**21. Faculty as members in**

**a) National Committees b) International Committees c) Editorial Boards....**

S. No.	Name of the Faculty	Member in	Name of the Committee
01	P. Nallasivam	WCSC	Member in World community service centre

**22. Student projects**

**a) Percentage of students who have done in-house projects including inter departmental / programme**

Nil

**b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / Other agencies**

Nil

**23. Awards / Recognitions received by faculty and students**

Nil

**Awards and Recognitions by staff members**

Nil

**Awards and Recognitions by students**

Nil

**24. List of eminent academicians and scientists / visitors to the department**

Nil

## Sengunthar Arts and Science College, Tiruchengode

---

### 25. Seminars/ Conferences/Workshops organized & the source of funding

**Seminars** : Nil

S.No	Date	Resource person	Source of Funding
1	22-12-2014	Mr . Sankar Sundaralingam Head , HR TATA Johnson controls Automotive Ltd, Chennai	Sengunthar Education Trust
2	26-12-2014 & 27-12-2014	Mr. Rangasamy, Avl Professor in Yoga and Team ,Manavalakkali Mantram, Tiruchengode	Sengunthar Education Trust
3	18-03-2015	Mr. Ashok kumar, PRB,Business Manager. Head - Central Tamil Nadu Religare ommodities Limited. Chennai.	Sengunthar Education Trust
4	20-03-2015	Thiru N. Sivanesan, M.Sc., PGDVES., President Federation of All Trade & Industry Association. Erode.	Sengunthar Education Trust

**Conference** : Nil

**Workshop** : Nil

### 26. Student profile programme/course wise:

Name of the Course	Batch	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
M.Phil Management	2014-2015	16	14	6	8	-

\*M = Male \*F = Female

### 27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
M.Phil Management	100%	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Nil**

**29. Student progression**

Student Progression	Against % enrolled			
	2011	2012	2013	2014
UG to PG	--	--	--	Nil
PG to M.Phil.,			--	03
M.Phil., to Ph.D.,	--	--	--	--
PG to Ph.D.,	--	--	--	--
Ph.D. to Post-Doctoral	--	--	--	--
Employed	--	--	--	--
Campus Selection			--	--
Other than Campus Selection	--	--	--	--
Entrepreneurship / Self Employment	--	--	--	--

**30. Details of Infrastructural facilities**

**a) Library:**

Common library and separate department library is available

Library	No. of Titles	No. of Volumes	No. of Journals & Magazines
Management Library	3383	6039	82

**b) Internet facilities for Staff & Students:**

Internet facility for staff and students with WI-FI campus facility

**c) Class rooms with ICT facility:**

Separate A/C Class room and Separate Conference Hall A/C

**d) Laboratories** : Separate Lab facilities available for M.Phil Programme



**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

Course	Year	No. of Students			
		College	University	Govt.	Others
M.Phil Management	2014-2015	-	03	--	--

**32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts:**

Nil

**33. Teaching methods adopted to improve student learning:**

- Black Board, LCD/ Power Point Presentation , Role Playing
- Periodical internal assessment
- Monthly Industrial Visit for the Students
- Weekly Guest Lecture program for the students
- Industry Institute Interaction ( III Program)

**4. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Yoga class for Human Excellence

Guidance for UG & PG Students for Employability Skills

Student Counseling cell for student carrier development

Doing education consultancy for students higher education

**35. SWOC analysis of the department and Future plans**

**Strength**

- Imparting Research oriented knowledge to the students
- Harmonious relationship between research scholars and departments
- Teaching and research coordination
- Faculty representation in the university board
- Giving importance for co-curriculum and extra curricular activities
- Students friendly campus
- Teaching aids LCD and Online Teaching

## Sengunthar Arts and Science College, Tiruchengode

---

- Yoga for Human Excellence for the students

### **Weakness**

- Due to economic background of student and the un availability of time for not implementing value added courses

### **Opportunities**

- Locational advantage for rural people for research
- Department being resently started will grow very well to the highest level in forms of research .
- Possibility of collaborative research.

### **Challenges**

- Providing solution for corporate sector facing the problems
- Sustaining quality of research
- Transformation of master of philosopy research department in to doctorate of philosopy .
- Creation of talented researcher for the market .

### **Future Plan**

- To organize research oriented seminars , conference and workshops.
- To promote the faculty members to send the proposal for research projects to various funding agencies
- Plan to the strength the consultancy services.

**DECLARATION BY THE HEAD OF THE INSTITUTION**

I certify that the data included in this Self Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer Team will validate the information provided in this SSR during the peer team visit.

Place: Tiruchengode

Signature of the Head of the  
Institution with seal

Date : 08-05-2015